

THE TECH

VOL. XXXIII. NO. 77.

BOSTON, MASS., SATURDAY, NOVEMBER 15, 1913.

PRICE TWO CENTS

RUN AT WAKEFIELD THIS AFTERNOON

Coach Kanaly Desires Freshmen To Take Last Long Run Before Trials.

This afternoon the Hare and Hounds Club will run at Wakefield. The train will leave at 2.14 from North Station, the round trip fare being 25 cents. Coach Kanaly hopes that all Freshmen will come out for this run as it will be the last chance to take this kind of work before the trials for the Freshman team which is to run at Andover. For the men who desire to go fast, a separate squad will be formed which will go at a good steady clip under the leadership of Best '15. He will give such hints as to position of the body, and taking of hills and fences as are necessary in the absence of the varsity men. The slower men will be run under Chase-Captain Peaslee.

Others interested in Cross-Country should take this run as it is the only opportunity they will have of becoming familiar with the course over which the Annual Handicap Cross-Country Race is run. The course at Wakefield is considered by Coach Kanaly to be the best course in the vicinity. It takes in hill work for the first couple of miles which is followed by several miles of road and finishes up with a stretch of open field work. The finish is on the green and affords excellent opportunity for strong finishes. The trials for the Freshman team will be run next Tuesday regardless of weather.

FRESHMAN BASKETBALL

Two Teams Are Organized—Big Schedule Arranged.

Manager Rausch of the 1917 Basketball Team announces that he has nearly completed the schedule for the season. This schedule consists of twenty-two games with strong opponents and some close contests are expected. The latest addition to the list is the North Abington Y. M. C. A.

The Freshman Class has voted to support the Basketball Team. This makes it distinctly a class sport. The first game will be on November 29th, and the manager is working hard to get the team in shape in that short time. As the team has not yet been picked, Manager Rausch wants more men to come out. There will be a first and second team and some of the teams on the schedule will bring along men to play both these teams.

The manager wants every man in the Freshman Class who can play basketball to come out for the team, and he says that if a man cannot make the first team, he will undoubtedly make the second. He can also show his class spirit by helping the teams along. Basketball is a recognized sport at the Institute for which numbers are awarded.

The football coaches at Yale, Harvard, and Princeton number 57. Yale has scored twice by field goals this season; Harvard seven times, and Princeton once.

COSMOPOLITAN DANCE SUCCESSFUL AFFAIR

Evening Enjoyed By More Than Fifty Couples—Gay Colors Prevail.

One of the most enjoyable functions the Cosmopolitan Club has ever held, according to those who attended, was the dance held in the lower hall of the Hotel Tuileries last evening. The hall was prettily decorated with streamers, and these together with the rich gowns of the ladies present, and the coloring of the Chinese dress suits adorning three members of the Club, made a scene not soon to be forgotten.

President Z. Y. Chow and Mr. Turpin Hsi, the club secretary, acted as ushers and general floor managers. These gentlemen were among those attired in the official Chinese dress-suit.

The grand march, which was led by the President and Secretary, wound around the hall and then formed into a large T. This signified the combination of work and pleasure for which the Club stands. The Stein Song was sung immediately after the grand march, and the dancing then commenced. A novel feature was the introduction of two "Paul Jones" or "All Hands Around," dances, which served to get everyone acquainted.

The matrons were Mrs. R. C. MacLaurin, Mrs. A. E. Burton, and Mrs. R. P. Bigelow. The committee in charge consisted of K. McFarlin, L. W. Snow, R. J. Murphy, A. H. Waitt, and C. E. Fox.

SOCCER CANDIDATES

More Men Are Wanted To Fill Positions.

A large number of candidates for the Soccer team reported for practice today at the Field, and from appearances the Institute will have a good representative team.

At today's practice the team was lined up as follows:—

Forward Left End—W. G. Beadle '17.

Left Forward—E. K. Briggs '17.

Center Forward—S. Bagdoyan '15.

Right Forward—T. H. Huff '15.

Forward Right End—D. E. Woodbridge '16.

Center Half Back—O. Nielson '17.

Left Half Back—Bryant '14.

Right Half Back—Enebuske '15.

Left Back—J. F. Olds '17.

Right Back—W. F. Pike '14.

Goal Keeper—Young '17.

This is not a permanent lineup, and all who are interested in Soccer are urged to come to the Field as many afternoons as possible. On Saturday a game will be played between two picked teams provided that there are at least twenty-two men present. It is hoped that all candidates will report because plans will then be made for a few games this fall with some of the schools in this section of the country.

Minnesota figures that by defeating Chicago and Illinois they will give Nebraska some cause for excitement and rejoicing. Also cause for some big talk.

MR. DUNCAN ADDRESSES CHEMICAL SOCIETY

Explains The Manufacture Of Rubbers—Trips To Be Made.

The talk last night at the Chemical Society proved to be most interesting. The speaker, Mr. W. W. Duncan, is a Tech graduate of the Class of '04, and is vice-president of the Hood Rubber Company of Watertown. The talk was profusely illustrated with slides of the plant, showing the various steps in the processes of manufacture.

Raw rubber is obtained from two principal sources, the Para from Brazil, and the Plantation from the Malay Islands. The raw material is received in this country in form of large chunks weighing upwards of fifty pounds. In the process of manufacture the chunks are first ground to a paste. They are then dried, either by vacuum dryers which take about four hours, or in the air, which takes some two weeks, and incorporated with various ingredients—these depending upon the uses to which the rubber is to be put. This composition is then rolled out into sheets which go to the stamping room. Here the parts for the shoes are cut out, most of the parts being cut by hand since the elasticity of the rubber sheets renders it impossible to cut them by machinery. The parts are then assembled, the lighter work being done by girls and the soles and other heavy work finished by men. The shoes are then sent to the vulcanizer, after which they are polished and boxed.

Mr. Duncan also had with him a number of specimens and samples which the men were given an opportunity to inspect after the talk. Smokes and refreshments were also served.

Before introducing the speaker of the evening, President Dickson announced that the Chemical Society members are to be given an opportunity to inspect the Union Glass works at Somerville, Mass., in the near future. At this factory glass blowing and moulding may be seen as well as the manufacture of cut glass. Papers will be circulated in a few days and all who wish to go should sign. The men will be taken through the factory in groups of eighteen, and trips will be made on the most convenient afternoons, dates to be announced in THE TECH later.

SOPH. NOMINATIONS.

The Sophomore nominations are due today at 4 o'clock at the Cage. A large number of papers have been turned in already, and an exceptionally long ballot is predicted. On this account a close competition is expected.

SOPHOMORE FOOTBALL

Manager Buxton of the 1916 Football Team wishes to see all men who have qualified for their sweaters in the Union Tuesday afternoon at 4 o'clock to meet the representative of Wm. Read's Sons and have their measurements taken.

M. I. T. LEAVES FOR N. E. I. C. A. A. RACE

Team Stays At Hartford, Vermont—Good Prospects For First Place.

Yesterday morning at nine o'clock the M. I. T. Cross-Country Team left North Station for Hanover. The men were all in the best of shape, and Coach Kanaly had high hopes of having the team win the first place in the N. E. I. C. A. A.

The men are stopping in Hartford, Vermont, a few miles from the scene of the race. Yesterday they walked over the course to become familiar with the ground.

With the prospects of fair weather, the race is expected to be fast and exciting. Marceau of Dartmouth and Preti of Maine are the principal contenders for the individual honors. Marceau won the University of Maine run a few weeks ago and is now in very good form. M. I. T., University of Maine, and Dartmouth are the favorites for first place. For Technology, H. S. Benson and A. A. Cook are both running well as was shown in the race against Holy Cross on Field Day. The rest of the team, consisting of Captain A. F. Nye, C. T. Gue-thing, C. H. Wilkins, C. S. Lee, and E. M. Newlin, is fast and well balanced.

In the time trials they all finished under twenty-five minutes for the Technology course, and this is considered very good time. The race today is a preliminary for the I. C. A. A. A. Race at Van Cortlandt Park next Saturday.

MINING SOCIETY

Mr. Allen Rogers Of Hayden Stone Company To Speak.

Monday evening, November 17th, the Mining Engineering Society will hold a smoker in the Union at 8 P. M. The speaker of the evening will be Mr. Allen Rogers of the Hayden Stone Company. Mr. Rogers is a Technology graduate of the Class of '90, and is considered a very interesting speaker. The subject of his talk is "Methods of Financing," and because it is one about which very little is heard, it will prove to be very instructive. As the meeting is open to men of all courses, and as refreshments are to be served, the attendance is expected to break records.

WEATHER

For Boston and vicinity: Weather unsettled, probably fair; variable westerly to northerly winds.

CALENDAR

Saturday, November 15, 1913
2.14—Hare and Hounds—Leave No. Station for Wakefield.
New England Intercollegiate at Hanover.
4.00—1916 Nominations Due—Cage.
Monday, November 17, 1913
8.00—Mining Engineering Society Smoker—Union.

THE TECH

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SATURDAY, NOVEMBER 15, 1913.

In Charge of This Issue:

Editor—K. D. Kalm '15.
Assistants—J. K. Heller '16; Stimmets '16; R. B. Palmer '17; R. B. Stringfield '15.

Every loyal Tech man should be at Hanover in spirit today, cheering for Tech in the New England Intercollegiate. The quality of the team is shown by its victory over the B. A. A.'s strong collection of individual stars. The latter are practically lacking on our team, its strength being derived from that team-work which is generally characteristic of Technology, and which is based on consistent and steady plugging from each man, instead of trusting to a chance few of exceptional excellence.

Our attention has been called to a point overlooked in the editorial, printed some time ago, on the student tutoring system to be tried this year at Dartmouth. There, as at most colleges, it is not customary as it is here for the instructing staff to give their time, of course within reasonable limits, for helping their students when in trouble with any of the work. This seems on the face of it a better scheme than Dartmouth's, provided it is properly taken advantage of.

Our congratulations to the Freshmen for the long step they have taken in the right direction by voting financial support to their class basketball team. The ideal condition, we think, would be a "single tax" on all Institute men, collected with the tuition, which should completely support all worthy branches of athletics. The class of 1917 has made a considerable advance toward this ideal.

SCIENTIFIC AND ENGINEERING NOTES

In the Popular Science Monthly for November appears an interesting article by Professor Sanford of Stanford University on the "Discovery of Contact Electrification." Sanford describes the work of the early experimenters Bennett, Nicholson, Volta, and others. An ingenious device known as a "doubler" was used which worked on the principle of the electro-phosphorous building up from a minute initial charge by induction a charge of any desired magnitude. With the aid of this instrument the exceedingly minute quantities of electricity generated by the contact of some metals could be magnified a known number of times and thus studied more conveniently and accurately. Descriptions of the early experimenters and some interesting data and conclusions are given.

The first commercial message handled by wireless between America and Asia was transmitted October 27th from the U. S. Army Signal Corps station at Nome, Alaska, to the Russian Government station at Anadyr, Siberia.

The usual method of utilizing the water power of rivers is to dam up the stream to a height sufficient to give a serviceable "head" to the water. A somewhat unique departure from this method is being tried out at Jeffersonville, Iowa, at a small floating power house moored in the Ohio River. The hydro-electric machinery is driven by an endless chain of paddles which, when lowered into the stream, are propelled by the current of the river and develop enough power to drive a small generating unit of a few horse power capacity. The experiment is an interesting one, but whether the project is capable of efficient commercial development remains to be seen.

SENIOR DINNER

Date Changed To The Twenty-Fifth Of November.

Owing to the fact that the date originally set for the Senior Dinner, Friday, Nov. 21, proved unfavorable to a large number of the members of the class, it has been decided to change the date of the dinner to Tuesday, November 25th. This date was chosen because it seemed satisfactory to all members. Every effort is being put forth to make the dinner a success.

BULLETIN BOARDS

Attention is called to the fact that all posters for the Bulletin Boards must be of uniform size. A sample poster of the correct dimensions is located in the upper right hand corner of the board in Rogers Corridor. It is fourteen by twenty-two inches in size. All posters must conform to this size; otherwise they will be removed by the poster committee.

C. E. TRIP POSTPONED

Because of the inclement weather the Civil Engineering Society trip which was to take place yesterday was postponed to Tuesday, November the eighteenth.

The trip, which was to be an inspection of the Commonwealth Pier promised to be very interesting, according to the officers of the Society; and it was with great regret that they were compelled to postpone it.

Next Tuesday the men who expect to make the trip will meet on the steps of Engineering A at 2.15 o'clock.



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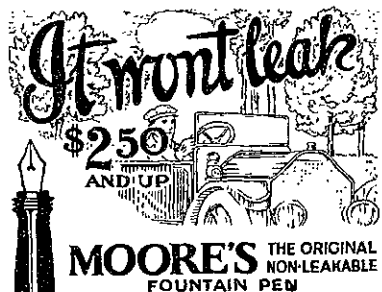
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COLLEGE NEWS

A big fight is being waged today in the Ohio Football Conference for highest honors. The teams have shown themselves to be evenly matched and the games are rivalled only by the big eastern games. Case School of Applied Science sends a trainload of rooters to Ohio State University where the principal game is to be staged.

Cornell has recently adopted a new system for lowering to a minimum the number of absences. If a person has missed a class for any reason whatever he is given a grade of zero. This grade, however, may be eradicated in the following manner. Two weeks behind the regular classes another class meets at five o'clock in the afternoon. Anyone who has missed a class has the optional opportunity of attending this "make-up" class and reciting. The grade he receives this time replaces the zero.

The fact that the class meets two weeks after the regular recitations, and also the inconvenient hour of recitation, makes the student restudy his lesson and makes him deliberate and think more seriously before he cuts a class. In fact, Cornell authorities state that this system reduces the cutting to practically nothing.—Exchange.

To decide a question which has been pending for seven years, the Michigan Daily forced the question of Michigan's return to the Western Conference to a popular vote of the students, faculty and alumni. The result was decisively against the return and Michigan will continue to play the Eastern teams.

At the University of Pennsylvania the required physical work is placed on a new basis. Instead of the regular gymnastic exercises the classes are required to spend two hours a week in any one of the following sports: basketball, track, cross-country, swimming or walking. In basketball, the men are divided into teams and these teams play two games each week. In order to keep up interest in this event the two teams having the highest scores play a championship game at the end of the season and the winning team is awarded a shield inscribed with the players names, to be hung in the gymnasium. Likewise in the other sports there are several prizes offered.

The University of Pennsylvania reports a total net registration of 6347, this being an increase of 1060 over last year. Of these, 1517 are Freshmen as against 1291 for 1912. The Wharton School of Banking and Finance enrolls 1809 and the Professional Schools 1347.

The Annual Michigan-Pennsylvania Football game will be played this afternoon. This game is one of the largest if not the largest played in the Middle West. Pennsylvania is to send a special train to Ann Arbor, a custom which is always followed. The distance is eight hundred miles.

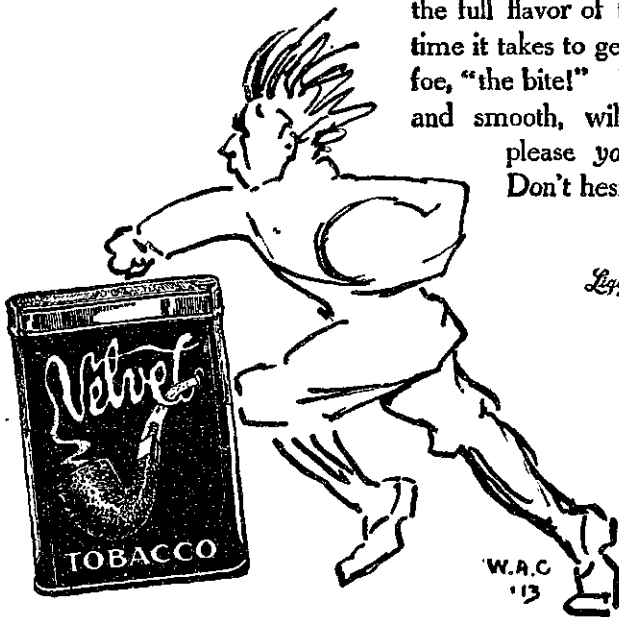
It is the intention of the corporation of McGill University to erect a series of dormitories to accommodate all the students, and to cost in the neighborhood of \$2,000,000. They also expect to build a new armory and a new gymnasium.

At the autumn meeting of the board of trustees of Princeton University recently, it was announced that gifts to the university of \$108,842 had been received during the year.

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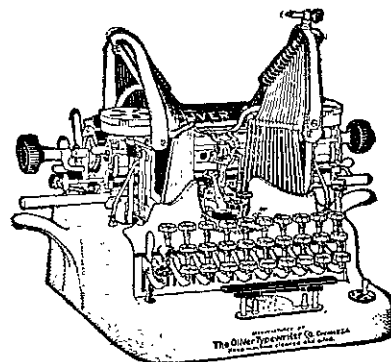
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ANNAPOLIS ENTRANCE EXAMS TO BE HELD

Candidates To See The District Secretary In Post Office Building.

Congressman Dietrick will hold a preliminary examination for entrance to the Naval Academy at Annapolis in the rooms of the Civil Service Commission in the Boston Postoffice Building on Jan. 7, 1914. This examination will be open to young men who will have passed their sixteenth but not their twentieth birthday on Feb. 14, 1914, and who are residents of the Sixth Massachusetts Congressional District, comprising the following cities and towns: Arlington, Bedford, Stoneham, Wakefield, Watermont, Cambridge, Lexington, Med-town and Winchester.

Candidates should apply in person to E. E. Stebbins, District Secretary, Room 141 Postoffice Building, Boston, Mass., where arrangements will be made for their physical examination without expense.

Only those physically qualified will be permitted to enter the preliminary examination, the subjects of which are algebra, geometry, grammar, geography, U. S. history and general history. The first three subjects will be given in the forenoon and the three latter in the afternoon, three hours being allowed for each group. An intermission of one hour at noon will be allowed for lunch.

FACULTY NOTICE

All new and altered uniforms will be delivered at the Armory on Monday, the Seventeenth, and Wednesday, the nineteenth. These must be paid for on these dates by all men. Men having old uniforms will begin wearing them on Wednesday the nineteenth. E. T. Cole, Major U. S. A., Retired.

MACHINE TOOL MARKET

A series of consular reports on the markets for American-made machine tools in Latin America will be issued in the near future by the Bureau of Foreign and Domestic Commerce. Lists of firms and individuals who sell and use machine tools in the various countries are a valuable feature, and considerable attention is given the sales methods, credit terms, etc. The Latin American countries are largely agricultural and the demand for machine tools has consequently been limited, but there is an increasing use of machinery of this sort in some localities in Latin America especially in connection with railroad repair shops.

SIGNAL ESSAYS

A few weeks ago a number of copies of an announcement of a prize essay competition on Automobile Signals were distributed in the Union. No definite data is at hand as to the number of men who have entered this competition, but it is understood that quite a number of Institute men are writing essays to submit to the committee in charge.

The first prize in this contest is one hundred and fifty dollars (\$150); the second, fifty dollars (\$50); and the next five prizes, ten dollars (\$10) each. The essays must be mailed before November 20.

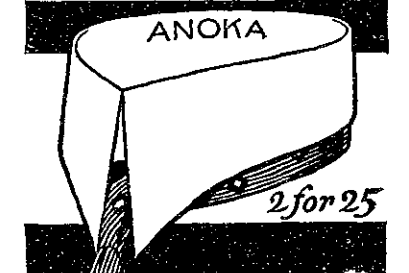
In the University of Illinois a week is set apart every fall to give the "old grads" an opportunity to get together again and renew their pleasant associations with the University and witness one of the big football games of the season.

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