LIMITED EDITION OF 1910 TECHNIQUES

To Be Placed on Sale Monday—Price Within Reach of All.

The 1910 Technique contains over four hundred pages of good live, interesting reading and pictures of things that are just as important to you as they were to 1910. Every man who is in the Institute now will want something that will bring back reminiscences of the times spent in the different parts of the buildings and shops. The 1910 Technique will do this as nothing can. It has an especially good set of photographs of everything now in the Institute, and those practically the only pictures of Institute technicums that can be obtained. If advantage of this opportunity is not taken, you probably will never be able to do so again.

The athletic part of 1910 Technique is very well illustrated with photographs of the different meets and events during the year. Pictures of all the track events and the managers of the different teams are really fine.

As the number is so limited and the price so low, they will be placed on sale Monday, at one o’clock in the Union and Rogers building, so as to give everybody an equal chance. Be on time if you want one, and don’t take any chance of losing out by being late.

The Committee appointed by the Institute Committee to take charge of these 1910 Techniques after seeing the excellent condition of the books and the valuable contents decided to give everybody a chance to obtain one so the price will be fifty cents, although it originally was two dollars.

(Continued on Page 2.)

CIRCULATION MANAGER COMPETITION OPENS

Contest Open to Lowerclassmen—Chance for Business Experience.

Candidates for Assistant Circulation Manager of The Technology Monthly will meet the Circulation Manager, Homer Rogers, Wednesday, March 4, at 4:15 in the Upper Office of THE TECH. The duties of the competitors will at that time be outlined and actual work will begin at once in order that a permanent Assistant Circulation Manager be chosen before the second issue of the Monthly which will appear in April.

The competition is open to all underclassmen, both Sophomores and Freshmen. The position is such that the actual work is slight in comparison with the benefits and business experience to be gained. As the Monthly has gone to press, more time can now be given to permanent organization and consequently competitions for other positions will open in the near future. It is possible that more than one Assistant Circulation Manager will be chosen at the close of the competition.

HOCKEY GAME

This afternoon the Tech Hockey Club of Providence, R I., in Providence. Unless word is received, that there is no ice, the team will leave the Black Bay Station at 1:04. If the game is called off a notice will be posted in the Union by 12:00 o’clock. The following men will take the trip: Captains McLeod, Fletcher, Sawyer, Cochran, T. C. Jewett, Toye, and Keeler.

LIBRETTO WRITING

Mr. Carl’s class in Libretto Writing will meet for the first time on March 11.

WEATHER

For Boston and Vicinity: Fair to-night and Sunday; light to moderate westerly winds.

CALENDAR

Saturday, February 28, 1914.

1.50—Wrestling Team Picture, Notman’s.

2.00—Cast Rehearsal Meet, 3 p.m., Union.

6.00—Course I D’ Mar. 4.

8.00—Wrestling, for A. L. Merrill, Secretary.

Mondajdsound Club, 8 Engr. C.

1.15—Hoisting of Comb. Musical man’s.

THE TECH
BOSTON, MASS., SATURDAY, FEBRUARY 29, 1914.

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Special dinner fare for two at moderate prices. For banquets large or small see Mr. Hyams.

THE TECHNOLOGY UNION
Dining Room
is conducted on a co-operative basis for the benefit of the students of the Massachusetts Institute of Technology.
It serves wholesome food at the lowest possible prices, and furnishes employment to students.
A 42 Trinity Place

BEAT-TEM-TO-IT
Continued from Page 1

FAMOUS RUSSIAN MINING ENGINEER AT TECH
(Continued from Page 1)

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Advertisements Manager, 9 A.M. to 5 P.M.

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As not a little criticism is being expressed of the plan to sell the left over Technicon, it may be well to put both sides of the case before the student body. One argument against the plan is that it is possible for the students to buy tickets for the sales of Technicon 1915. The Board of the latter do not consider this serious, even taking into account the fact that the plan is projected at the moment there is projected a wide appreciation of the need for technical instruction in its various branches, and at the time there is projected a fine institution at Jekaterynoslaw in South Russia, as the forerunner of still others.

Professor Tschotchtch on finishing his present course will make a trip through the Northwest, to the Michigan, California and Alaska, getting to St. Petersburg in time to take up his three months of lectures in the autumn, after which he is to return to Tech for a second special course, following which there will be a visit to mining works in other parts of the country, including Colorado and New Mexico. In testimony of the value placed by the individuals and instruction in observation and instruction in this country it is fair to say that the travel cost will exceed the five thousand dollars more than his allowance from the Government, but he feels that his projected plans will place him at the head of his profession in his own country.

Officers' Club
Major Cole to Speak at Public Meeting Next Tuesday.

The Officers' Club will hold its first public meeting in the Union next Tuesday at 7:35. Major Cole has consented to speak on the subject of "Expedition Order." His talk will include information of importance to the officers and men of the regiment, as the training work is soon to be taken up at drill. He will probably give some points of interest combat principles also. All interested in military work are invited to attend.

At this meeting Colonel Hamilton will make a financial report on the Military Hop held recently.

N.E. CHAMPIONSHIPS.
Tech Scores 17 Points—O'Hara Wins 40 Yard Dash.

In the New England Amateur Championship before the auspices of the A. A. in the Mechanics Building, Technology men secured 11 points. F. P. O'Hara was the only person to win a first place and that was in the 40-yd. Senior dash.

About one-third of those entered showed up, which was rather discouraging. The men winning points were:

40-yd. Senior dash: F. P. O'Hara, 5 sec.
40-yd. high hurdles: T. H. Huf, 3d, time 8 25 sec.
Mile run—H. P. Benson, 3d, time 4 min. 58 5 sec.
Mile run—F. L. Cook, 3d, time 9 min. 34 sec.
Running high jump—W. A. Sullivan, 2d, height 5 ft. 8 5 14 in.

GLEE CLUB CONCERT
Last evening the Combined Musical Clubs gave a very entertaining concert at the Congregational church at Holliston. The men left Boston at 6:30 on a special car, getting into Holliston in time to dress before the concert, which began promptly at 7:45. All the numbers were well received, but perhaps "The Spirit of '76" by the Combined Banjo and Mandolin Club, together with the Glee Club octette and the baritone solo, "Ashmore" by Donald Dunn, received the greatest applause.

Talbot led the Glee Club and did exceptionally well.

BEAT-TEM-TO-IT
(Continued from Page 1)

there but other tickets will be on sale at this time so that anyone who desires to buy may be enabled to do so.

And it would be advisable that whether a man wishes to purchase white or black tickets that he do so at once. The tickets have gone so fast that it will be possible to sell only a few more tickets if the capacity of the Huntington Hall is not to be exceeded. It is intended to keep the sale of tickets within the capacity of the hall so that everyone may be assured of a seat. Therefore it is advisable that no one delay longer. The affair is only a week off now and it is certain that there will be a big demand for tickets in the near future.

With the opening up of the additional room "Little-ha-liable" promises to become the biggest student affair that has ever been held. More people will be accommodated and the students will come in closer touch with one another than has ever been the case before. Last year's "Was-let" attracted wide attention and brought forward a large number of people but the additional dance this year promises to draw a much bigger crowd.

It is only hoped that sufficient funds will be raised to be of material aid to the Athletic Association. If the students will only pull together and pack Huntington Hall on March 7 this will be the grandest affair that the Institute has ever known. A financial success is already assured. Let's all make it something more— an affair to go down into history as record-breaking in its field.
THE TECH, BOSTON, MASS., SATURDAY, FEBRUARY 28, 1914.

BOSTON OPERA COMPANY
LEAVES FOR FRANCE

A Ten Week Season in Opera To Be Given at Paris in April.

The Theatre des Champs Elysees, beside from the opera the newest and handsomest playhouses in Paris, has been leased by the Anglo-American operatic syndicate; and there, on April 20 or 27 next, the Boston Opera Company, under the direction of Henry Russell, its Managing Director, will inaugurate a ten week season of opera in the French capital. The backers of the enterprise are men internationally famous in the worlds of finance and opera: Otto H. Kahn, chairman of the Board of Directors of the Metropolitan Opera Company, New York; Eben D. Jordan, founder and president of the Boston Opera Company; Sir Ernest Cassel, the London banker; Baron d’Erlanger, a composer as well as a Parisian of great wealth; Lord Grimthorpe of London, a member of the foreign advisory committee of the Boston company; Lord Hochshidt, of the famous banking family; and Harry V. Higgin, director of the Royal Opera, Covent Garden, London.

The Boston company will take over its chorus and minor singers, but not the orchestra, for there as here the Musicians’ Union forbids the importation of foreign orchestras. The principal artists will be drawn from the Boston, Covent Garden, Metropolitan and Chicago companies, and among them will be the following vocalists, of worldwide fame: Mmes. Francesco Albanesi, Maria Barrientos, Lina Cavalieri, Emmy Destinn, Louise Homer, Mary Garden, Frieda Hempel, Nellie Melba, Alice Nielsen, and Lusia Tetrazzini, sopranos; Mmes. Maria Jeritza, Renata Tetrazzini, and Enrica Tetrazzini, contraltos; Edoardo Ferrari-Tomba, sopranos; Mines. Margarete von Stade, opposite; Mmes. Marie Jeritza and Margaretta Metzenauer, contraltos; Eduardo Ferrat-Fortuna and Giovanni Marcelli, tenors; Pasquale Amato, Vincenzo Laus, and Antonio Scotti, baritones; and Andrea de Segurola, basso.

The director will be Felix Weingartner, Roberto Moranzoni and Arthur Nikisch. There, as in Boston, the stage will be under the supervision of Joseph Urban: and for all the works to be produced the mounting will be above perfect.

The repertoire will be confined to German and Italian operas, such as “Die Meistersinger,” “Cavalleria Rusticana,” and the new Metropolitan opera “L’amore dei Tre Re,” with which it is planned to open the season.

As the seating capacity of the Paris theatre is some 800 less than that of the Boston temple of opera, the earning power will be correspondingly lower; and to offset this loss in revenue, Director Russell has arranged a special schedule of prices which will be effective for all important premières and débuts. For these occasions $10 in American money will be asked for places on the orchestra floor, but for the regular performances, the best seats will sell at $5, as they do in Boston.

The Boston director and his colleagues have every confidence in the success of their enterprise. In the first place, their point to the fact that never before has an attempt been made so likely to appeal to the British as well as the American public. This is the directorate board representative of both nationalities, and an ensemble of artists admired and known in America and England which should arouse the keen interest of American and British alike. There will also be the German and Italian colonies, entitled eager to hear opera in their mother tongues.

Here when the Metropolitan Company gave a short season at the Chatelet Theatre a few years ago, no such constellation of operatic stars has been gathered together in Paris, in any former organization. Several of the artists will be entirely new to the French public, and others, such as Mmes. Melba and Tetrazzini have been heard there but rarely of late years, and a royal welcome can be assured them. From a scenic viewpoint, the Boston productions will be something of a revelation, and it is certain that no more magnificent productions will be seen in Paris than are planned to open the season. The Theatre des Champs Elysees, Director Russell has arranged a short season in April, to the city of Boston as well.

In order that sufficient time may be given for rest and preparation before the Paris engagement, the coming season in Boston will be shortened from 18 weeks to 12; and instead of reopening in November, as in former years, Jan. 4, 1914, will be the next opening date.

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CLASSIFIED ADS.

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WANTED—Track men to report Track stories, Basketball men for basketball stories, etc., for TECH. Leave note at Cage for L. R. Britten, Athletic Editor.

FOUND—A copy of Storm’s “Geschichten aus der Tonne” was left at the Tech Office last Saturday noon and was turned over to Mr. Smith, Supt. of Buildings and Power at whose office it may be obtained by the loser.

NOTICE. If there are any members of the Tech. Aero Club now in the Institute would they kindly communicate with J. W. Livermore, 75, by having their names at the Cage.
TECH UNION BARBER SHOP
Located at the HOTEL WESTMINSTER
Handy to the institute. Up-to-date, fashionable hair cutting by skilled barbers. The latest developments and most perfectly ventilated shop in the Tech Building. Best of every kind. Giving us a trial is worth your while.

THE TECH UNION BARBER SHOP
Boston Opera House
SAT., 7 to 9:30 LAST TIME THIS SEASON AND LAST APPEARANCE OF MARIA CALLAS VONHО, Operatic Star, Will Be Same as Monday.
SAT. 7 to 11. Prices 60c to $2.50.
SMYTHE, Scovens, Taglyang, Blanchard.

NAVAL ARCH. SOCIETY
Events of Term Outlined at Meeting Yesterday.

There was a meeting of the Naval Architect Society yesterday afternoon in room 32 C. Matters of business were taken up and several members of the Sophomore Class were elected into the Society. President Todt announced that there would be a meeting every other week, notices of which would be published in THE TECH and on the bulletin board in 31 C.

A very interesting series of trips is to be taken during the term as well as some talks on the side lines of the business which are not taken up in the course on account of lack of time and opportunity. Among the ships to be visited are the motor ship "California," and one of the large freight steamers of the N. Y., N. H. & H. Railroad. Some of the topics which the speakers at the different meetings will discuss are "Ship Surveying," "Principal Steamship Lines," "Coot And Estimates," "The Organization of the Working Force of a Shipyard."

RIFLE TEAM SCORES.

The match shot against Michigan Aggies Tuesday showed improvement over the previous week's shooting by a substantial margin. The team is now climbing rapidly.

The score for the match was as follows:

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<tr>
<th>Total</th>
<th>Hasham (capt.)</th>
<th>185</th>
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<tr>
<td></td>
<td>Casselman</td>
<td>186</td>
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<td>Dunn</td>
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<td>Brandt</td>
<td>184</td>
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<td>923</td>
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A re-start match has been opened to run till Tuesday, March 31st, when a prize of a Stevens Target pistol to the man who shoots the best string of 10 shots offhand at 50 feet. A nominal entrance fee of $2.00 is charged, re-entry unlimited. Rapid fire practice will begin next Tuesday.

ELEC. ENG. SOC. MEETING

On Monday evening the Electrical Engineering Society will meet in the Union at 7:45 to hear Mr. Gerald Swayne, M. I. T. '95, of the Western Electric Company who will speak on "The Relation of Engineering to the Sales Department." Mr. Swayne is head of the Sales Department of the Western Electric Company and is very well fitted to speak on the subject. Members of the other Engineering societies are cordially invited to attend.

DUAL CLASS MEET

1916 and 1917 To Clash on Track Next Tuesday in Gymnasium.

The annual dual meet between the Sophomores and Freshmen will be held next Tuesday evening in the gym at eight, if the present arrangements are put into effect. An admission of 25 cents will be charged to cover the expenses of the 1917 team on its trips. The list of events will be as follows: 20 yard dash, 36 yard hurdles, quarter mile, half mile, mile, high-jump, pole vault, and shot put.

ENGINEERING AND SCIENTIFIC NOTES

A Swedish inventor has devised an apparatus for storing heat which consists of a suitable coil of resistance wire placed in a heat absorbing material. Surrounding this is a layer of heat insulating material with a damper at the top which may be opened when it is desired to radiate any of the stored up heat energy. To facilitate this radiation there is a system of air passages through the heat storing material. This apparatus, further details of which are not announced, is designed to consume the surplus of power plant energy during periods of off peaks loads. An experimental plant measuring 40 by 25 by 16 inches showed a storing capacity of about 24,000,000 calories while the internal temperature of the magazine was in the neighborhood of 600 degrees Centigrade.

A new type of rotary power pump has recently been put on the market which differs from others in the same capacity in that gear style pumps have been substituted for three gear cans and the gears on the end of the cam shafts have been eliminated. These pumps are mounted on iron rod plates and are fitted with tight and loose pulleys for belt drive. The power transmission is made within the base directly beneath the case and is reached through hand holes in the base. Size number one, having a capacity of 25 gallons at 25 revolutions per minute, has two discharge openings, and size number two, 50 gallons at 50 revolutions, has three openings one tapped for pipe, one threaded for hose coupling, and the other fitted with an interchangeable blank flange.

During the past year the Westernhouse Electric and Manufacturing Company has undertaken a number of contracts for hydro-electric developments in Alaska, which will do much to improve the mining facilities in that region. The largest of these proposed units is a Water turbo generator for the Alaska Treadwell Gold Mining Company having a capacity of 2350 kva. and driven at 300 r. p. m. by a Petlon water wheel. This will give the company about 3000 additional horsepower. A 50 kw. Company water wheel type of a type is also included in the contract. A number of other contracts for the installation of units varying from 200 to 1100 kva. have also been made.

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THE TECH, BOSTON, MASS., SATURDAY, FEBRUARY 28, 1914.