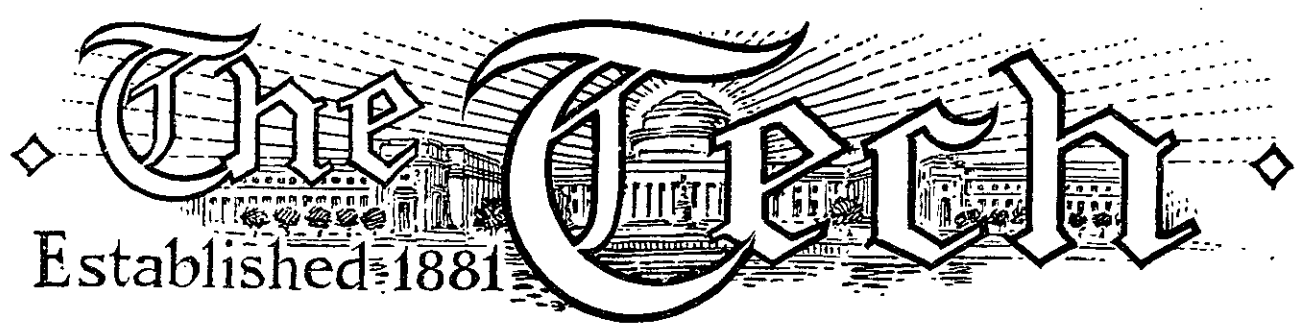


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MILITIA FORMALLY RECEIVES AIRCRAFT

Dr. Maclaurin Presides — Governor McCall, Ex-Governor Walsh and Mr. Cabot '82, Speak — Hydroplane Makes Flights — Prominent Men Present

2500 WITNESS CEREMONIES

On the Technology pier last Wednesday afternoon, in the presence of nearly 2,500 spectators and with ideal weather conditions, the Aero Club of New England, represented by its President, Mr. Godfrey Cabot, presented the National Guard of Massachusetts with a Burgess Bi-plane, the first aircraft which the latter has received. The ceremonies, presided over by Doctor Maclaurin, were attended by many persons famous in fields of science and aviation, as well as Governor McCall, Ex-Governor Walsh and representatives from the Institute Faculty. Among those present were: Mr. Greeley Curtiss of the Curtiss and Burgess Company; Mr. Henry G. Morse '93 of the Simplex Electric Cable Co.; Mr. Henry Howard '89 of the Merrimac Coal Co.; Mr. Earl L. Owington '04, famous aviator (flying Blériot Monoplanes usually) and aeronautical engineer, and Mr. Augustus Post, secretary of the Aero Club of America, who was lost several years ago with Alan Hawley in a balloon over Canada after attempting to reach New York from Chicago, and several prominent Naval and Militia officers.

Godfrey Cabot Presents Machine

At 3.30 o'clock Doctor Maclaurin arose and with a brief speech introduced Mr. Cabot. At this time an aeroplane could be seen approaching from the direction of West Boston bridge. Mr. Cabot said that the aeroplane had become a very important factor in warfare, as is shown in the European War. He added that the Bay State could feel very proud of one of its sons, Norman Prince, a Harvard graduate, who lost his life in an aerial battle in France after winning honors. He then, as President of the Aero Club of New England, presented to the State the hydroplane, a gift of several generous and public-spirited citizens. During his speech a hydroplane flew over the pier, the noise of the motor interrupting Mr. Cabot. Mr. Cabot, however, explained that it was not the Militia's machine. The machine maneuvered around the Basin and disappeared in the direction of Back Bay, returning to the Navy Yard.

Governor McCall Accepts Craft

Doctor Maclaurin next introduced Governor McCall. The camera and "movie" men from positions along the Esplanade got into action when the Governor arose. He said that it would be far more appropriate to present the machine to the National Government, as he thought it appropriate that the Aerial Squadron should be under the control of the Army and Navy Departments and not the individual States. He said that there seemed to be two factions, both desiring peace. One faction favoring total disarmament in hope that the foreign powers would follow the example. The other faction favored an increase in the size of the army until they would be equal to any power. He said he was in favored of preparedness. Massachusetts was able, through a well organized and well trained Militia, to be among the first to send troops to the border soon after the President's call. He said the Massachusetts Naval Militia had from twenty-five to twenty-eight men capable of flying aeroplanes, and that this was far too small a number. He hoped, through the foresight and energy of Mr. Cabot and the men associated with him, and the generosity of the men who made the gift possible, that the number would be much increased. He then thanked Mr. Cabot and the other men interested in the name of the Commonwealth of Massachusetts. During the Governor's speech the Militia's new Bi-

(Continued on page 4)

FRESHMAN GYM CLASSES

Boxing Introduced as Part of Regular Work

Gymnasium classes will be held according to schedule hereafter in the Cambridge Armory. The first classes were held Tuesday and subsequent classes were not postponed indefinitely as erroneously stated in Wednesday's Tech. For the first exercises the men were given a short talk by Mr. Kanaly, after which they were put through a twenty minute drill. In his talk Mr. Kanaly created much surprise when he announced that boxing would comprise one-half the required work. The announcement seemed to please most freshmen greatly. This is the first time that boxing has ever been introduced in connection with gymnasium work.

It is also expected that a large number of students will take private lessons in the newly introduced sport. For this purpose N. Boutillier, a former New England and American amateur champion, has been secured as coach.

E. E. SOCIETY HOLDS SMOKER

Mr. M. W. Alexander of General Electric Company Talks on the "Hiring and Firing of Men"

On Wednesday evening Mr. M. W. Alexander of the General Electric Company gave a talk before the members of the Electrical Engineering Society on the "Hiring and Firing of Men." Mr. Alexander is connected with the Lynn plant of this company and has gone into this subject chiefly along economic lines. He stated that some time ago, upon noticing the vast stream of employees which are continually pouring in one end of a large manufacturing plant and pouring out at the other end, he was led to believe that the inevitable result must be unnecessary waste.

This problem is one which is present not only in this country but also abroad and has been studied in England, Germany and Austria as well as the United States. Mr. Alexander confined his researches to the mechanical industries and during the course of his investigation visited factories of all sizes, in large cities and in the rural districts, those employing either male or female labor or both, and he has therefore covered the field very broadly. He has visited hundreds of employees in these plants and found conditions the same all over the United States. The establishments inspected included those employing anywhere from three hundred to ten thousand persons and comparisons drawn from twelve of these plants for the period of one year showed that the total number of persons employed at the beginning of this period was thirty-seven thousand as against forty-three thousand at the end of the year. This difference of six thousand men is classified as unnecessary waste for, even when all considerations are made for sickness or death among the help, and variations, in production, the margin of unnecessary hiring and firing is excessive.

Mr. Alexander has gone into this side of the matter quantitatively and found that the average of men and women employed was thirty-one years and twenty-three years respectively. He figures that approximately twenty-one per cent of this unnecessary number can be accounted for by deaths, sicknesses among help, voluntary or involuntary resignation, and by fluctuations in the amount of production, as well as for the allowance that no hiring department is one hundred per cent efficient. This means that seventy-nine per cent are not needed. The speaker also explained how much cheaper it was to rehire an old hand than to break in a new man. The expense of breaking in a green hand is almost staggering and yet perfectly evident when one considers the cost of instruction, the wear and tear of machinery by new men, the loss in production due to inexperience, and the spoilt work.

MAJOR COLE TALKS TO INSTITUTE COMMITTEE

Matter of Securing Safety to Pedestrians Discussed — Proposed Change in By-laws Ratified — Books Concerning M. I. T. to be Altered

MORGUE NOW LOUNGING ROOM

At the Institute Committee meeting held yesterday afternoon at 5.00 o'clock representatives of the Mining Society and the Athletic Committee were absent. After the minutes of the previous meeting had been read and accepted, Chairman DeBell brought up as the first business of the evening, the traffic conditions on Massachusetts Avenue. Major Cole spoke on the recent accidents to students, which have resulted in serious injuries, and stated that something must be done to prevent further accidents as well as to control, to some extent at least, the reckless driving and an absolute neglect of public safety. At the present time, although there are regularly established crossings, vehicles go on the wrong side of cars and there is no security offered to pedestrians. He stated that no new ordinances are expected or desired, but it is essential that the flagrant violations to the already existing laws be stopped. Major Cole recommended that a set of rules be formulated and that the attention of the Highway Commission and of the city of Cambridge be called to the existing conditions. It was then voted to appoint a committee consisting of Major Cole and the chair (J. E. DeBell) to draft a set of rules and to send them to the proper authorities.

N. E. Tourtellotte '17 reported for the committee on athletics giving a report of funds expended for athletics and recommending that the chairman of

(Continued on page 2)

DUAL MEET

Technology and Princeton Hold Cross-country Meet Tomorrow at Franklin Park

Tomorrow morning the Institute Cross-country team meets Princeton in a dual meet over the Franklin Park course at 11 A. M. Each team will be represented by seven men and five of them will score. Although Princeton was defeated by Yale last week Coach Kanaly feels that Princeton did not show its true worth. The Franklin Park course is very similar to the one the Princeton harriers practise on, and materially differs from Yale's rough course.

The M. I. T. team is weakened by the loss of two men, McMahon, who is a freshman and therefore cannot run in intercollegiate meets until Jan. 1, and Caldwell, who is a transfer from another college, cannot compete until next year. The meet will probably be very close and Mr. Kanaly wants as many men as possible to attend the meet and encourage the runners.

Princeton has practically the same team as last year when they finished third in the I. C. A. A. A. run at Franklin Park, with the exception of Floto, one of their best men. Our team finished eighth in the same race. The coach feels that this year's squad is better balanced and as a team capable of faster time. It seems unlikely that a man can be developed to take the place of Ray Brown, who finished fifth in the I. C. A. A. A. meet and won the N. E. I. C. A. cross-country championships, but this handicap may be overcome by the better balance of this year's team. Of last year's men two remain, Capt. Dodge '17 and Parker '17. The new men are Halfaere '18, Herzog '19, McCarten '19, Dean '17, and Reed '18.

NOTICE

The Delta Tau Delta Fraternity has moved from temporary quarters at the Hotel Carlton to 4 Ames street, Cambridge A.

TECH "COOP" ROBBED

Gentleman Raffles Very Choice in Making Selections

Some time Wednesday night the Technology branch of the Harvard Co-operative Store was invaded by a gentleman burglar. That this burglar was not of the plebeian type is quite evident from the things he took. For instance, he took only the best overcoats. Common mufflers were quite out of the question; he had to take silk ones. He took Alteneider drawing instruments; only the best satisfied him. He got several high silk hats, took several boxes of Romeo and Juliet cigars, passed by 200 fine quality suit-cases and picked out McGrady's. He helped himself to a number of other things collecting only the best. The burglar probably gained entrance through the back window.

SENATOR LAFONTAINE WILL SPEAK

Winner of Nobel Prize to Address M. I. T. Forum

This afternoon at 1.30 o'clock Senator Henri Lafontaine will speak in Room 1-190 under the auspices of the M. I. T. Forum, to which all Technology men are invited. The Senator will be introduced by Professor Peabody, chairman of the Faculty.

Fifteen years ago Lafontaine, who is a Belgian by birth and is now over sixty years old, was appointed Senator of Belgium and holds this position for life. He is also president of the International Peace Bureau at Berne, Switzerland. Since the foundation of the International Institute of Bibliography, over twenty years ago, he has been the directing head and is now the Secretary-General.

Senator Lafontaine holds the General Secretaryship of the Union of International Organizations, a society composed of organizations from many of the leading countries, some of which are purely technical. The Union has held two World Congresses in which twenty-two nations and 136 associations were represented, and many problems pertinent to internal organizations were solved. As one of the leading members of the Interparliamentary Union which deals with international parliamentary and legal affairs, he has been on various commissions that gave a basis for the Hague conventions.

In 1911 Senator Lafontaine was awarded the Nobel Prize for Peace. This prize is awarded from the interest of some nine millions of dollars bequeathed for the purpose by Alfred Bernard Nobel, a Swedish inventor and philanthropist, who died in 1896. Five of these prizes are awarded annually to those persons who have contributed most largely to the common good in fields of physics, chemistry, physiology, medicine, literature and the preservation of peace. The first awards were given in 1901.

Senator Lafontaine has always been interested and very active in Belgian politics and is now on a "Committee investigating German atrocities." He has been in this country for 18 months and is taking a great part in bringing together American Peace Organizations. Through him these organizations have come to some very definite resolutions. At present he is lecturing throughout the country and he expects to remain here until conditions are more settled in Belgium. He will address the Forum on the subject of International Peace.

M. E. SOCIETY SMOKER

The M. E. Society will hold a smoker in the "Caf" tonight at 8.00 o'clock, at which details of the trip to New London will be announced. The object of this trip is to visit the plant of the Electric Boat Co., and to witness tests of some of the submarines manufactured by this company. The entertainment at the smoker will be furnished entirely by the students and will include besides wrestling, speeches by A. F. Keating '17 and H. C. Ling. Dinner, including cigars and cigarettes, will be served.

SUGAR REFINERY VISITED BY CHEMICALS

Over Sixty Members go Through Plant of American Sugar Refining Company Tuesday — Visit Union Glass Company Thursday

NEXT TRIP TODAY

The Chemical Society had the opportunity of taking two most interesting trips this week. The first of these came Tuesday afternoon when over sixty of the members visited the plant of the American Sugar Refining Company. The men were divided into three groups and shown through the different departments by graduates of Technology who are now working in the refinery.

The first place to be visited was the store-house where the raw sugar is brought in from Cuba and the Philippines. From there they followed the process to the melt-house where it is washed and dissolved in hot water. Here, also, the men were shown how impurities are removed by the precipitation of calcium phosphate. The precipitate is then removed by bag filtration. The men were then shown through the filter-house where the material is run through very large bone-charcoal filters. The final step in purification was by crystallization in vacuum-pans. The finished product was then packed by automatic machines.

This was one of the most instructive trips that the society has taken, as it showed to them a commercial method of filtration and crystallization.

The sectional trips to the Union Glass Company, Somerville, started Thursday when the first three groups were privately conducted through the entire plant. The first place shown them was the melt-house; here they watched the interesting process of blowing the molten glass into various "blanks" from which are made vases, pitchers, mirrors, and ornamental articles of various description. This work of blowing the glass is done by the highest order of skilled labor.

From the melt-house the groups were taken to the cutting-room where they were shown the various designs outlined and roughly cut on the "blanks," after which they are finely polished.

The three groups Thursday were very prompt in arriving at the plant at their specified times and it is hoped by those in charge of these trips that that the other groups will follow their example. The next three of these groups will take the trip this afternoon. The first group will be due at the plant at 2 o'clock and will consist of the following men: Wilson, in charge, Van Kirk, Smith, Weber, and Miller. The second group, due at 3 o'clock, will consist of Smith, Boyd, Conner, Beckett, and Bond. The third group, due at 4 o'clock, will consist of Westbrook, in charge, Christison, Hamilton, Selya, and Snow.

As it takes at least a half hour to go to the plant, each man should be at the Massachusetts avenue corner of the Institute a half hour before the scheduled time of his group to be at the plant. The men in charge desire that every man on the schedule make an effort to show up. Any who fail will not be given another opportunity of taking this trip.

CALENDAR

- Friday, Nov. 10, 1916
- 1.30 P. M.—Senator Lafontaine will speak in Room 2-190.
- 3.00 P. M.—Mr. Sutherland's Discussion Group—Room 1-151.
- 4.00 P. M.—Mr. Turner's Discussion Group—Room 10-267.
- 8.00 P. M.—Catholic Club dance at St. Cecilia's Hall.
- 8.60 P. M.—M. E. Society Smoker in Caf.
- Saturday, Nov. 11, 1916
- 11.00 A. M.—Dual cross-country meet with Princeton at Franklin Park Course.
- 4.30 P. M.—Freshmen nominations due at the Caf.