MR. LOUIS K. ROURKE '95 TO ADDRESS THE CIVILS
Will Discuss The Work Of His Department From Business Standpoint.

FIRST MEETING OF HOCKEY CANDIDATES
Forty Men Report To Captain McLeod—Man Goodell Gives Our Schedule.

Prospects for a successful season appear exceedingly bright for the Hockey Team. Yesterday afternoon sixteen candidates reported to Captain McLeod at the first meeting in the Union, at which provisional plans were outlined to the men regarding the work for the next few weeks.

Practice will be held twice a week on Saturdays and Sundays, and Monday evenings at 7 o'clock at the Arena, where new ice will be at the disposal of the men. A permanent manager, Mr. Goodell, was elected, and the committee gave an outline of the schedule as it now stands. The first game is to be with Tufts at the Arena this coming Saturday night and contests have been definitely arranged with Harvard on the 13th of this month, and with Dartmouth on the 29th. Later on, during the mid-year vacation, Yale, Williams, Syracuse Arena Co., and Cornell, the Army will be played.


A well-known hockey man from high and prep schools are among those of T. Foster for two years; C. D. Winton, captain of the Koster Hockey Team at a former Wellesley High School player; O. W. Holt, point for Arlington: R. P. Ware, who is a forward for Brookline; and P. W. Gould, coverpoint for Newton.

SHOW BUSINESS MANAGER
All Freshman candidates for the offices of Ass't Business Manager of the Tech Show are to meet business Manager C. R. Lord in the Show office at 1:45 tomorrow. There is a chance for new candidates both from the Freshman and Sophomore classes.

CATHOLIC CLUB
Tomorrow evening Rev. Francis Murray of St. Francis des Isles' Church, Roxbury, will talk to the Club on "The Church in Italy." The talk will be preceded by a supper in the Union at 6 o'clock.

The trustees and executive committee of the National Educational Association have selected St. Paul for the midterm convention and expect an attendance of eighteen thousand.

THE TECH
VOL. XXXIII. NO. 90.
BOSTON, MASS., TUESDAY, DECEMBER 2, 1913.
PRICE TWO CENTS

INSTITUTE COMMITTEE IN LONG SESSION

Walker Memorial Committee Appointed—Rifle Club's Petition Refused.

The Institute Committee held a regular meeting yesterday afternoon in E Eng. C. A large amount of business was on hand and the session lasted till six o'clock. After the secretary had read the minutes of last meeting reports were taken up by various committees. Snow of the Point System Committee reported that an investigation was being made as to how all the organizations and that no one had been found to be carrying a score more than ten points. Soon a list of the presidents and secretaries of all the organizations was to be posted in the Union so that everyone can see them. The Bulletin Board Committee reported that all the posters have been cleared off the boards and that hereafter all posters must be of the regulation size as posted in the Union. Reports were also heard from Boston, which concern the committee appointed to distribute the remaining copies of the 1910 Tech-nique. G. M. Munson and J. W. Burford. A committee to distribute the remaining copies of "Concerning M. L. T." was named: F. Whitney '14, F. H. Duft '16, D. E. Bell '17 and E. S. Balcomb '14.

The question was then brought up whether the Sophomores should have representation in the Institute Committee. At present they are not represented as they failed to elect representatives provided by the constitution of the Institute Committee. The motion was passed that they should have representation.

The Rifle Club put up an eloquent plea to be recognized by the Institute (Continued on page 3).

M. E. TALK POSTPONED

E. B. Germain Called Out Of City—Trips Announced.

The meeting of the Mechanical Engineering Society which was scheduled for Dec. 3 has been postponed indefinitely. Mr. E. B. Germain '13, who was to give a talk on "The Building of a Concrete Structure in Practice," was called to Pittsburg on business, which makes it impossible for him to keep his engagements. The Society is in the hands of almost nearlv all the organizations and that no men have been found to be carrying a score more than ten points. Soon a list of the presidents and secretaries of all the organizations is to be posted in the Union so that everyone can see them. The Bulletin Board Committee reported that all the posters have been cleared off the boards and that hereafter all posters must be of the regulation size as posted in the Union. Reports were also heard from Boston, which concern the committee appointed to distribute the remaining copies of the 1910 Tech-nique. G. M. Munson and J. W. Burford. A committee to distribute the remaining copies of "Concerning M. L. T." was named: F. Whitney '14, F. H. Duft '16, D. E. Bell '17 and E. S. Balcomb '14.

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TECH SOUTHERN CLUB

Dance At Copley Plaza Hotel On New Year's Eve

The Tech Southern Club announces a dance to be held Monday evening, December 9th, at the Copley Plaza Hotel, its first big social function for the year. The opening reception, which was held at the Hotel Brunswiek, Friday, November 14, with Mayor Fitzgerald and Dean Burton as speakers, proved a great success and was attended by a large crowd, and Pres. Williams promises that the Club is going to be very active this year.

The members feel that there are a large number of Sophomores at Tech, and that this dance will give them a good opportunity to meet men and ladies from their own section of the country. The dance will be preceded by a reception which will afford a means of getting acquainted, and is limited to the Club members.

CALENDR

Tuesday, December 2, 1913.
1:00—Governing Board—21 Rogers. 4:30—Show Business Manager Committee—Show Office.

Wednesday, December 3, 1913.
6:00—Catholic Club—Meeting—Union.
8:00—Mr. Soper Speaks—C Commonwealth Avenue.

Thursday, December 4, 1913.
1:00—T. C. A. Speaker—Union. 4:00—Walker Memorial Committee—Meeting—Union. 8:00—C. E. Society Speaker—Union.

Friday, December 5, 1913.
8:00—Circle Fraternities—Meeting—Room A, Union.
THE TECH
Entered as second-class matter, Sept. 19, 1875, at the post office at Boston, Mass., under the act of Congress of March 3, 1879.

Published daily, except Sunday, during the college year by students of the Massachusetts Institute of Technology.

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C. L. Butters '14 Advertising Manager...
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Phone: Marsh 1928.

In Charge of This Issue
Editor—G. W. Wyman '16
Assistant—P. W. MacNeil '15, R. B. Stringfield '15, H. F. McQuaid '17

Conflicts
After two editorials have been run in this column on the subject of conflicting dates, it rather grieves us that we are obliged to run another; but we feel that the conflict which is due to come between the Harvard hockey games and the Junior dinner should not be allowed to pass without notice. On Wednesday last it was announced in a flue at the foot of the first page that the Junior Class would hold its dinner on the thirteenth of this month. Last night the hockey management announced that the big game of the year, the game which every Tech man is especially interested to see, would be played on the same date.

We wish that blame for such a situation could be definitely placed, but it cannot. The fault is with the lack of system in the arranging of dates, and in the failure of the organizations to follow each other through THE TECH. We hope that immediate action will be taken in the case in question. Last year the Harvard games suffered by reason of its proximity to "back seat," it would be a shame if this year it met with interference.

Hockey
Tech's hockey team goes on the ice this afternoon, and plays its first game. We understand, on Saturday night. Although handicapped by the loss of a few stars, the team has at its disposal a promising amount of raw material. Those of who remember the days when defeated Harvard four points to one will soon be looking for history to repeat itself.

The Contest
The first editorial in the Pi Delta Epiton contest is due this afternoon at 5 o'clock at the Cape. The contest...

SCIENTIFIC NOTES
The purification of air in crowded auditoriums, shops, offices, and especially in sick rooms and hospitals, is a vital problem which is being solved by several totally independent methods. One of the most discussed of these is that of the employment of ozone. Ozone is essentially condensed "vital air" concentrated oxygen, which, in furthermore, is an extremely active chemical state. We give below two widely different opinions of the value of ozone for this purpose, both of which come from authentic sources, and invite statements of opinion from our readers.

The Journal of Industrial and Engineering Chemistry contains an editorial concerning the ozone machines which have appeared on the market in this country and abroad. The makers of these machines claim: (1) That ozone is an effective air germicide, small quantities being sufficient to sterilize the foul air in sick rooms, etc.; (2) that it can exist only in air containing organic matter, and hence its presence is proof that the air is sterile and devoid of all material; (3) that ozone has no deleterious effects on the higher forms of animal life; (4) that it produces no irritating effects upon those breathing the ozonized air. On the other hand, recent work, chiefly by the California State Board of Health and the American Medical Association, has shown: (1) That ozone is of little or no value as a disinfectant, a higher concentration and a longer length of time than for other methods being necessary for results; (2) that the "deodorizing" effect of ozone is almost entirely due to the masking of the offensive odor by other more potent odor, and to the deadening and partial anesthesia of the olfactory nerves which it produces; (3) that ozone may be injurious to the mucous membranes of the respiratory system, and produces headaches, depression and drowsiness. Consequently, they claim that the ozone machine cannot be classed as a hygienic device, and that it has no place in schools, offices, or other place where people remain for a considerable length of time.

COLLEGE NEWS
It is proposed by a member of the Legislature of the State of Ohio that the name of Ohio State University be changed to Ohio University. The difficulty arises from the fact that there is a small college in Athens, Ohio, called Ohio University.

Registration figures at Amherst show that the increase of number of students over last year is twenty. The total enrollment is 259, with 107 from the State of Massachusetts. New York sends 118 and Illinois 33.

Ohio University is to install a one t.w. wireless station and add a course in wireless telegraphy. Engineers claim that it would be a shame if this year it met with interference.

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BACTERIOLOGISTS STUDY PASTEURIZATION METHODS

Class Visits Plant Of C. Brigham Company And Takes Samples.

Yesterday afternoon Prof. Prescott took his class in Dairy Bacteriology to study the process of milk pasteurization as it is carried on by the C. Brigham Company of Cambridge. Mr. Blair, the manager of the plant, kindly escorted the class over the premises and explained the various operations which the milk undergoes as it travels from the car in which it is brought from the farms to the bottles and cans in which it is delivered to the consumer.

The chief object of the excursion was to have the students ascertain just what happens to the milk during the process of pasteurization, and the bacteriological condition of the milk at the different stages of the operation. For this purpose, seven samples of the milk were taken at each of the following places: the mixing tank; the clarifier; the primary heating pipes; the boiler; and the holding tanks from which the bottles are filled. These samples were plated out yesterday evening, and in a few days the class will have a fairly accurate idea of the germicidal effect of each operation in the process, as well as of the nature and number of the bacteria as survive and find their way into the cans and bottles.

The above refers only to the milk that is pasteurized previously to bottling. The class examined also the apparatus which sterilizes milk in the bottles. This process is much slower and much more expensive, and at the present time the Company uses the method of pasteurizing only to pasteurize the cream and a limited amount of milk.

All bottles so treated may be recognized by the metal clips, as well as by the extra metal in the price. No samples were taken of this milk yesterday, but doubtless the efficiency of the method will later be studied by the class in Dairy Bacteriology.

INST. COMM. MEETING

(Continued from page 1)

The Walker Memorial Committee. Their request was voted down after some discussion, as the main desire of the club seemed to be to get the privilege of awarding insignia to their members. It was voted, however, that the Athletic Association be recommended to recognize this organization.

The following men were elected to serve as the Walker Memorial Committee: Fox '14, Taylor '14, Snow '14, Goodell '15, Westlock '15, and Sabin '15. All these men are requested to be present at the first meeting of this week at 5 o'clock in the Union.

The following motions were also passed: that a committee be appointed from among the cadet officers to more thoroughly organize the officers of the cadet regiment, said committee to be responsible to the Institute Committee and under the control of the Finance Committee; that the Executive Committee propose amendments to the by-laws so as to more closely define the relations of the Institute Committee to all other organizations; and that the Union Committee be instructed to attend to the placing of a plate on the lantern in the Union.

The representatives from the Naval Architecture and Mining Engineering Societies have failed to pay their dues, and it must be understood that these societies are not constitutionally represented till the dues are paid.

F. E. Hallbard '17 and M. E. Langley, T. C. A., were absent.

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OPPOSITE THOMPSON'S SPA
NEW YORK ENGINEER TALKS
Tech Men Invited To Gathering Of Boston Civil Engineers.

On next Wednesday night there will be a meeting of the Sanitary Section of the Boston Society of Civil Engineers. The meeting will be addressed by Dr. George A. Soper, who is chairman of the Metropolitan Sewage Commission of New York City. This Commission has charge of the whole sewage system of the metropolis, and of Greater New York as well. It is responsible for the present apparatus for a new system of sewage disposal in that city, the plan for which involves the building of an island three miles from the shore line, and the disinfection on it of two hundred million gallons of sewage per day.

Dr. Soper will speak at 8 o'clock. The meeting will be held in the large hall of the Engineers' Club, which is located at 2 Commonwealth avenue, near Arlington street.

Men will be welcome to enter and take seats in the hall after 7:30. Professor Setzgivich strongly recommends that advanced and graduate students, in Courses VI and XI, attend the gathering.

T. C. A. SPEAKER

(Continued from page 1.)
rich, interested in the working people, and that the church is putting too much emphasis on creed and too little on Christianity. Mr. Stockdale will discuss the book as a whole, and the criticisms made of the church. Mr. Stockdale is well known as a man of liberal ideas, and as a leader in the Congregational Church. In many respects, he is a good example of that type of minister whom the author of the book calls "John Hodder."

In discussing Mr. Churchill's book and his criticisms, Mr. Stockdale declared with a very important and vital problem, the church and the working man. As the Union Church pastor is in position to speak on the subject he has chosen is shown by his career, a career in which he came in contact with the middle classes. The last two years, Mr. Stockdale has been pastor of the Union Church on Columbus avenue, which was formed by the merger of two churches, the Union Church and Berkeley Temple, of which he was pastor for four years. This is a total of ten years' work in the South End of Boston, in a residential section comprising two-thirds of the people of the working class. Mr. Stockdale was originally a Methodist minister in the Middle West, and in that church and came East, and took the pastorate of a little church in Chelsea, also, in the midst of a working class section. He was also minister at the Beachmont Congregational Church in the North in the town of Pembroke, where he attended the Boston University School of Theology.

FOUND ARTICLES

After the "Chinese Night" meeting of the Cosmopolitan Club in Huntington Hall last Saturday evening, a large number of articles of wearing apparel and several umbrellas were picked up. These may be obtained by making application to Z. Y. Chow, the President of the Club.

The Field closes for the winter tomorrow.

EDITORIAL SUBJECTS

Contestants Write On "Christmas For Tech Men" Friday

All men who have entered the Pi Delta Epsilon editorial contest should hand in an editorial today and one Friday. The articles submitted are due the same days each week. Today's editorials may be on any subject. For Friday the subject is "Christmas for Tech Men." Next Tuesday, December 9, the contestants will write on "The Undergraduates By-laws," a copy of which was published in the same of THE TECH for Nov. 28.

So far not many men have entered the contest, and only a few suitable editorials have been received. In order to make the competition keener and secure a higher grade of work, more men are needed, but it is essential that anyone who wants to enter do so at once, as the number of editorials submitted by each man counts in the award of the prize.

Did you leave anything in Huntington Hall Saturday evening?

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