

THE TECH

VOL. XXX. NO. 42

BOSTON, MASS., WEDNESDAY, NOVEMBER 23, 1910

PRICE TWO CENTS

INSTITUTE COMMITTEE ELECTS ITS EXECUTIVES

Union Committee Allowed a Representative on the Institute Committee.

SUB-COMMITTEES REPORT.

H. L. Coburn Elected to Finance Commission—Meetings to Be Held Every Two Weeks.

The regular meeting of the Institute Committee was held yesterday afternoon at 4.30 P. M., in Room A, in the Union. President D. R. Stevens announced that all meetings hereafter would be convened at 4.30 o'clock sharp, and requested that all members appear on time. After the roll had been called the minutes of the last meeting were read and accepted. Reports were read and accepted from the Point System Committee, the Calendar Committee and the Bulletin Board Committee.

Nominations for the Finance Commission were called for, and as no more names were submitted the President asked for a discussion on those men already nominated. Mr. M. L. Coburn, 1890, who is a member of the Student Welfare Committee, and is chief engineer and secretary of the Ambursen Hydraulic Company, was selected to serve on the Finance Commission with Mr. M. R. Scharff and Mr. Litchfield.

Nominations for the Executive Committee were then opened, and the following names were added: J. E. Whittlesy, W. O. Foster, K. Barr and I. W. Wilson. These men and those nominated last week—L. C. Cooley, R. H. Ranger, C. H. Carpenter, J. C. Fuller and H. C. Davis—were discussed in regard to their capabilities as members of the Executive Committee, and then W. W. Warner moved that four members be elected to that committee, and that if any of those elected resigned, the man having the next highest number of votes take his place.

This motion was passed, and then J. C. Fuller made a motion to the effect that since it had been tacitly agreed among the members that at least one Executive Committee man be a Junior, and that only one 1912 man had been nominated, it was only fair that the nominations be reopened so that more 1912 names might be submitted. The motion being received in the affirmative, H. M. Partridge and H. A. Babcock were accordingly nominated. Ballots were then distributed, and after a short time it was announced that I. W. Wilson, R. H. Ranger, J. E. Whittlesy and L. C. Cooley had been elected to the Executive Committee.

A letter from Major Briggs was read, in which he suggested that as fencing and golf were dead letters at the Institute, they be taken off the Institute rating, and the crew be substituted in their place. This matter was discussed, but nothing was decided upon in regard to it.

A motion was passed that M. R. Scharff, the President's assistant, be invited to attend the meetings of the Institute Committee, and it was also decided to allow the Union Committee to send one of their members as their representative to the Institute Committee.

The members of the Institute Committee were requested to co-operate with the Calendar and Bulletin Board Committees, so that the business of these committees might run more smoothly.

Regular meetings are to be held every other Tuesday at 4.30 P. M., in Room A, Union.

MEETING OF PROFESSIONAL SOCIETIES AT UNION A DECIDED SUCCESS

Students and Professors from all Departments Have Joint Dinner.

Lectures on Earthquakes and Engineering Given by Profs. Jagger and Spofford.

Two hundred men sat down to the combined societies' dinner at the Union last night. The men were seated so as to divide the various courses as much as possible, and the custom of seating the members of the Faculty at the head table was departed from, they being scattered promiscuously about the room. Those present from the Faculty were Dean Burton, Profs. Jagger, Spofford, Allen, Porter, Robbins, Hosmer, Breed, Russell, Talbot, Thorpe, Jackson, Lawrence, Smith and Mr. Bradbury. The full Technology Orchestra made its first public appearance and added much to the enjoyment of the dinner by its fine work. They played selections from the "Red Mill," "The Chocolate Soldier," and "The Bohemian Girl," and did remarkably well for an organization having had so short a time to prepare for this engagement.



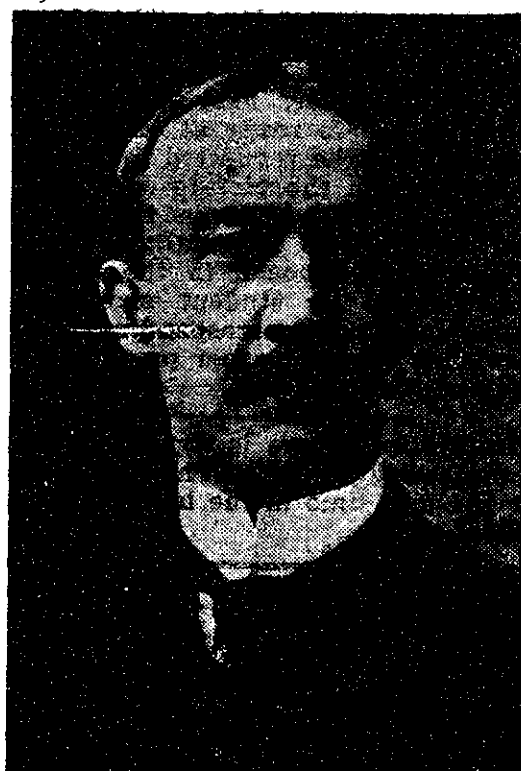
PROF. T. A. JAGGER

President Hausman of the Civil Engineering Society introduced Professor Jagger as the first speaker immediately after adjourning to the social room. He began by giving an outline of the geographical conditions of the Central American country and its surroundings. His function on this expedition was, from a geographical standpoint, to decide where to put and where not to put important plants, and where large cities ought to be placed. The main eruptions occurred April 13 and May 4th of last year. Previous to that time there had been no serious outbreaks for about five years. About January 26 the volcano Poaz started the trouble, hurling a great quantity of mud and other debris from its cinder cone around the country within a radius of about fifteen miles. The people became wary and were partially prepared when the tremendous quake occurred at Cartage a few months later. The dwellings of the town were mostly of the adobe type, with tiled roof. These were for the greater part destroyed and the streets filled with adobe and fallen brick. The wave was what the geologists would call an "opifocal shock," meaning that the vertical element was predominant. This was shown by slides of various towers which had a great, yawning crack up the entire height of the column. That it came from the East was shown from the fact that stones thrown from a stone wall were hurled from the West side into the road, while

those on the East side were thrown the other way. The shock came almost instantaneously, and was confined to a relatively small limit. The strength of the vertical wave was shown by the twisting distortion of a certain statue, which was turned through an angle of nearly 90 degrees. The buildings in Cartage were constructed very weakly. It is now being planned to have the city reconstructed by some American construction company, the contractor to be paid in treasury bonds which would be a virtual first mortgage on the entire town. In order to further study the effect of earthquakes, the United States department of agriculture is having instruments installed for the anticipation of earthquake difficulties. Various different sorts for the study of these phenomena have been invented recently by the Jesuits in the Philippine Islands and by the Japanese, and \$25,000 has been given for geophysical research in Hawaii next summer by the Institute professors.

In continuation of Professor Jagger's talk, Professor Spofford spoke of the engineering questions connected with such disturbances of nature as had been previously described.

The city of Cartage is situated about ninety miles from each coast, at an elevation of about seven hundred feet. It was founded by the Spaniards many years ago, and before the earthquake it had gained quite a reputation as a summer resort in the Central American countries.



PROF. C. M. SPOFFORD

The severe rains and the almost perpendicular slopes cause many landslides, which cover up the tracks of the Northern Railroad of Costa Rica, and it is only at a great expense that the road is kept in operation.

The types of buildings in existence before the disaster showed only the most elementary knowledge of earthquake resisting construction. The builders did not understand that rigidity was to be preferred to small heights. The construction in San Jose was much superior to that of Cartage.

The decreasing order of the amount of construction of different kinds in the ruined city was adobe, brick and stone work, bahareque and wooden frame buildings. This is exactly opposite to what should have been the case.

(Continued on Page 3.)

PROSPECTS GOOD FOR HOCKEY TEAM

Squad Has Use of Boston Arena for Practice This Year.

MANY CANDIDATES AT MEETING.

Schedule Not Yet Announced But Will Include Best Teams in East.

Hockey is booming this year. The Athletic Association is supporting the team financially, and the new Boston Arena has been secured for team practice. This affords unusual opportunities for systematic training.

First practice will be held at 6 P. M. Friday, November 25. The time is limited, which means promptness at the start. A few stragglers would waste valuable time for the whole team.

Manager Polhemus has already secured games with some of the best eastern teams. But it is absolutely essential that new men show up for the team. Four of last year's team have left, which affords opportunities for appointment to those who show energy in the practices.

GLEE CLUB REHEARSAL PROMISES RESULTS

Mid-Winter Concert and Dance Tickets On Sale—Event Takes Place Dec. 16.

Yesterday afternoon the Glee Club held a rehearsal at the Union. Great improvement was evidenced over previous work, and the club is working hard to round out into style. The big annual mid-winter concert is an added incentive to the club in attaining perfection. This concert, which is one of the big functions of the year, will be given under the auspices of the combined musical clubs of Technology. It will consist of an entertainment by the clubs and a dance. This concert and dance will take place at Copley Hall, Boston, on December 16, 1910. The tickets, which are a dollar each, are on sale by the managers of the clubs. Tickets for reserved seats will be exchanged after November 27th, at the Technology Union. After the Glee Club rehearsal the quartette rehearsed their selections with much effect. The enthusiasm with which the men have been reporting for rehearsal and have been working is a promise of great things musically at the Institute.

CALENDAR.

Wednesday, November 23.

4.00 P. M.—Gym Team Practice—Gym.

4.00 P. M.—1913 Cross-Country Practice—Gym.

4.00 P. M.—1914 Cross-Country Practice—Gym.

4.00 P. M.—Basketball Practice—Gym.

4.00 P. M.—Wireless Society Meeting—Union.

5.15 P. M.—Track Team Dinner—Union.

Thursday.

Thanksgiving Day.

Friday.

7.30 P. M.—M. A. H. S. Club—Union.

THE TECH

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WEDNESDAY, NOVEMBER 23, 1910.

All the Institute owes much to the individuals of the Civil Engineering Society who first conceived the idea of a joint meeting, and to those of the same society who so successfully carried it out.

With thirty strong, the orchestra made good with a vengeance at its initial appearance at the big meeting. The three pieces it gave showed a solidity that will develop into a character of playing that will place this new organization on the plane of the best activities at the Institute.

Last night saw the latest development for a better social relationship between Faculty and student in the combined societies' dinner. Moreover, this is a move started by the students. This is as it should be, for it makes the students the hosts.

In many institutions, and in fact not very far back at the Institute, it was a case that Faculty and students met only in the class room. Perhaps this may lead to greater results in the line of grinding out the details of a particular line of engineering, but it prevented the broad development that goes with the social associations of men in the various lines connected with the Institute. Our professors are more than leaders in special technical lines; they are leaders in the activities of our communities. Such gatherings as that of last night bring out this other side not only by means of the talks given by those who have recently undertaken important investigations, but also by the more informal personal contact at the dinner table and in the living rooms between those who never even meet in class rooms.

It would not be wise to run these meetings into the ground by too frequent repetition, but it does seem that one each term would be worth while, and they would serve as an inspiration for other less pretentious arrangements throughout the year in the way of the general club and activity meetings. They may also lead to an extension of the idea broached last year of small informal gatherings at the homes of both students and instructors at frequent intervals.

Owing to the bad condition of the grass plots on the Yale campus, no more football, baseball, or any other form of exercise will be permitted by the University police on the campus.

COMMUNICATION.

Editor of The Tech:

One of the most important committees which it is the duty of the Senior class to elect is that of the Senior Portfolio. The portfolio is the one souvenir of a man's Institute life which he will hold dear after graduation. On this committee there should be at least one man who has had definite business experiences, one man of good artistic ability, and several good persuaders. The persuaders must be men who will be willing to keep on the job until the last man in the class has had his picture taken, made out his history, and signed up for a book. It behooves all thinking members of the class to get out nomination papers for capable men. Nominations close at 4 P. M. today, at the Cage.

DON R. STEVENS.

TECHNIQUE MEETING YESTERDAY.

Class Picture Reported to Be Best in Years—Fraternity Cut Contract Awarded.

The Technique Board held its regular weekly meeting at 4.15 yesterday afternoon in the Union. The various departments submitted their reports and discussion was then opened on engravers. The engraving contracts will be awarded next week, and specifications for the printer will be out at that time. The fraternity cut contract was awarded yesterday. The class picture was reported to be the best in many years, and proofs of it will be posted in a couple of days in Rogers and at the Union. The members of the class are requested to sign their names opposite the number which will represent their place on the picture. This is very important, and it is hoped that every man will make it a point to see that his name is placed where it should be on the picture.

CLASS OF 1912 HAS PICTURE TAKEN

Many Men Gathered on Rogers Steps for Picture for Technique, 1912.

At 1 o'clock yesterday all roads for the class of 1912 led to Rogers steps, where a class picture was to be taken. This is the picture which will appear in Technique, 1912. The class was well represented, and Mr. Nottman, the photographer, has promised to have the proofs ready at once. The men will then be requested to identify themselves on the picture so that no mistake will be made in the Junior year book. This is usually done by numbering the heads in the picture and having the student sign their names opposite corresponding numbers on a sheet of paper provided for the purpose.

Lafayette College is represented by a semi-weekly paper, The Lafayette, for the first time in the history of the school.

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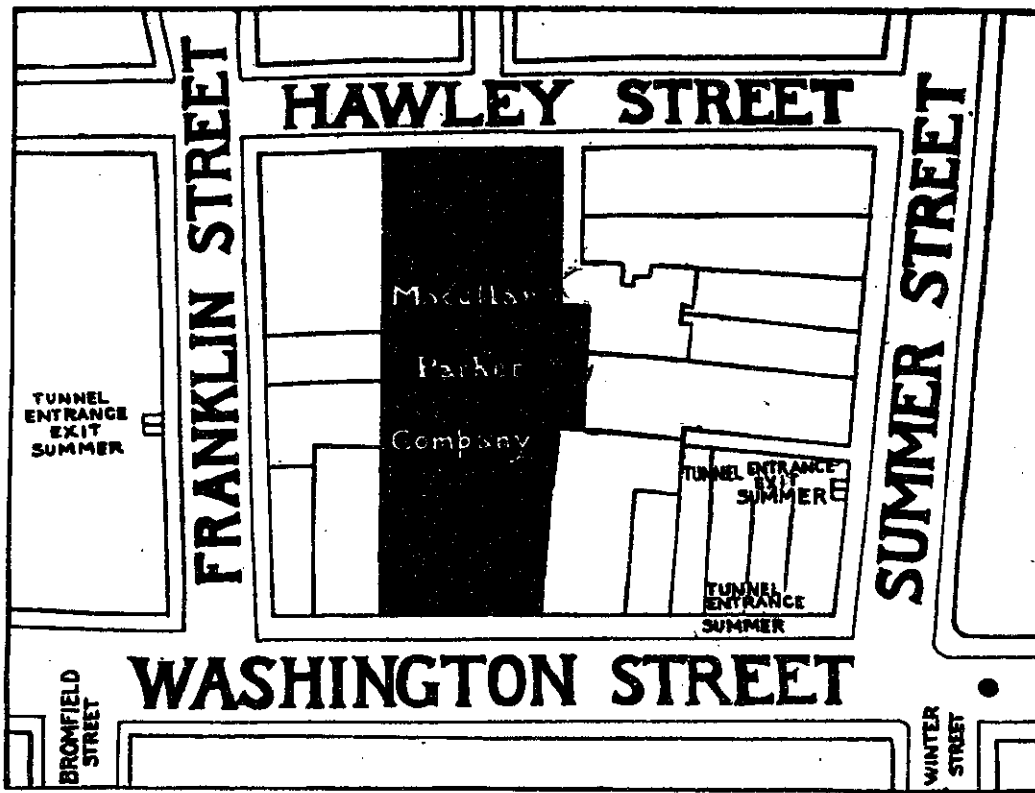
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E. E. EXCURSION TO FORE RIVER.

Permission Has Been Granted to Visit Large Construction Company.

The Electrical Engineering Society has secured permission of the president of the Fore River Construction Company for the members of the society to inspect their extensive plant at Quincy, provided but 15 men came in each party. The committee is arranging to run four excursions next week, one on Monday, Wednesday, Thursday and Friday. As the plant shuts down at 4.30 P. M., it will be found necessary to leave the South Station on the 12.45 P. M. train. The running time to Quincy is about 15 minutes, and it takes about 30 minutes to get to the works from the station. The single fare is fifteen cents, or twelve rides for \$1.10. Already four men have signed to go on Monday, the entire fifteen for Wednesday and Friday, and twelve for Thursday. In order to complete arrangements all men intending to go must sign up on the E. E. Society bulletin board in the Lowell Building before Monday morning, November 28.

TRACK DINNER POSTPONED.

The track team dinner which was to have been held tonight has been postponed indefinitely. So many of the men are going to be away that it has been thought advisable to hold the dinner at a later date.

A formal call has been issued for all track team candidates to report to Coach Kanaly at the Gym. An exceptionally full and attractive indoor schedule is nearing completion and will be announced soon. These indoor meets furnish fine opportunities for both veterans and novices, both as individuals and as members of relay or class teams.

Knox College has a glee club of thirty-two. A trip to the coast during the Christmas holidays is contemplated.

At the University of Washington the girls are also eligible to wear the "Varsity 'W'" for excellence in various branches of athletics.

High school pledging for fraternities has been prohibited at Seattle.

(Continued from Page 1.)

The adobe buildings, of course, crumbled to pieces, no resistance being offered by them. In the stone and brick buildings, the binding material was a sort of lime mortar. The structures were all massive ones, and were very low, but they were not in the least resistive to the disturbances caused by an earthquake. The Carnegie Peace Court—although an attempt at reinforcing had been made—was totally destroyed. The I beams, instead of helping to hold up the building, really acted as a weapon of destruction.

Bahareque is a native type of construction which consists of a wooden frame, across which strips of cane are nailed, the whole then being filled with adobe. Buildings thusly made withstood the shock fairly well.

The wooden buildings resisted the earthquake best of all. This is due to the fact that the qualities of tensile resistance, elasticity and lightness were all involved.

The water pipes suffered very little damage. The reason for this was that no fissures were formed in the ground tending to tear the pipe apart.

At Kingston, all new buildings are of reinforced concrete. In this way protection against both earthquakes and tornadoes is hoped for.

The conclusions that Professor Spoford has drawn are as follows:

(1.) No building constructed of a material of a low tensile resistance or little elasticity is safe as a resistance to earthquakes.

(2.) Stone work with lime mortar is very bad.

(3.) Heavy tile roofs should be prohibited.

(4.) Elasticity, continuity and lightness are essential characteristics of earthquake resisting buildings.

(5.) Wooden frame buildings with walls and partitions of metal laths, either encased in cement or not, offer the best resistance to earthquake shocks.

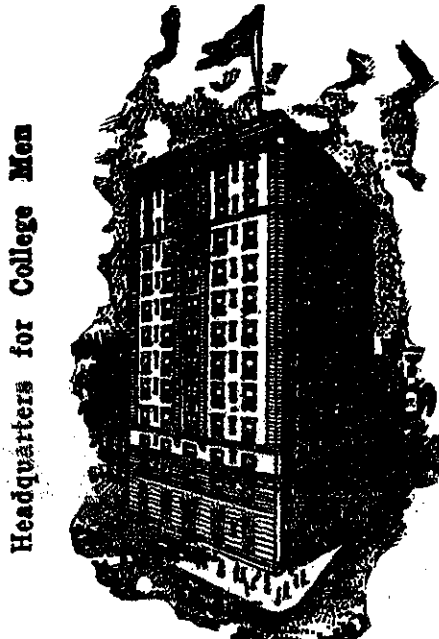
The question as to whether reinforced concrete is an earthquake resisting type of construction has not been settled. It is certain, however, that the cracks would be difficult to repair and that a large amount of steel reinforcing would be necessary.

The courses sent the following delegations: Course I and XI, 107; Course VI, 33; Course X, 9; Course III, 5; Course VII, 3; Course IV, 7. Orchestra, 30.

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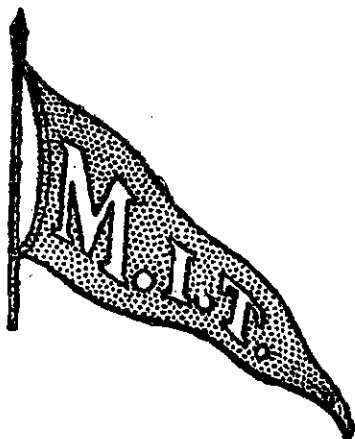
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WANTED.
Class histories for 1912 Technique. The writer of the best history of each class wins a Technique de Luxe. Competition closes January 1st. Get busy. For particulars leave word at Technique office. (tf)

SENIOR PORTFOLIO COMMITTEE.
Nominations for Senior Portfolio Committee, signed by at least ten men, are due Friday, November 25, at 4 P. M., at the Cage, marked for the Nomination Committee, 1911. Portfolio Committee consists of five members and counts seven points. No restriction is placed on the number of nomination papers which may be signed by any one man.
H. F. DOLLIVER, Clerk.

1914.
There is room for a Freshman on the circulation department of The Tech. A good chance to get on the ground floor of the business department. See A. T. Gibson, Tech Office, today at noon. Get busy!

NOTICE.
Gentlemen, I call to your attention that I will pay more for your cast-off clothing than any one in my line of business. A trial will convince you. Send postal to Max Keezer, 3 Bow street, or telephone Cambridge, Mass., 302. (tf)

'VARSITY BASKETBALL.
Under classmen, there is room for somebody in the Management Candidates for Assistant. Report to me at Gym at 5 o'clock Monday, Wednesday and Friday.
L. W. CHANDLER, Mgr.

A Norwegian play is to be presented by the Scandinavian Club at the University of Minnesota.

A class that spends an hour daily in discussing motives for buying things to eat is the latest innovation at the University of Missouri.

In acknowledgment of the support given the Michigan eleven at the Pennsylvania game last year the students of the University of Michigan presented a silver bugle to the battleship Michigan.

NOTICES.
Two volumes of Technique for sale, 1894 and 1895; 1895 is dedicated by President Walker and has his picture as a frontispiece. Apply at Room 36, Walker.

Will the Secretaries of all the organizations kindly hand a full list of their officers to the Societies' Editor of The Tech as soon as possible?

ASSISTANT MANAGERS OF TECH SHOW.

Competition for assistants in Tech Show, 1911, has begun. There are three assistants to be chosen, preferably one Sophomore and two Freshmen. Manager Lenaerts will be in the Show Office, Room B, daily, from 1 to 2 o'clock, to meet all candidates.

DEFICIENCIES IN PHYSICAL LABORATORY.

Attention of students is called to the fact that all deficiencies must, by Faculty rule, be made up before Thursday, December 1st. The laboratory will not be open to students for making up back work after that date.
(1) H. M. GOODWIN.

NOTICE.
Ben Ellis, 94 Dudley street, pays highest prices for Students' cast-off clothing. Send postal and will call.
Nov 22 (1)

NOTICE.
WANTED—A second-hand leather handbag. Communicate with A. B. C., Cage. (1)

The Sheffield Freshmen have been assessed 35 cents each for the support of the Freshman football team.

The University of Minnesota offers a professional course for public school teachers.

The captain of the Indiana basketball team has been denied his letters because he broke training rules by attending a dance.

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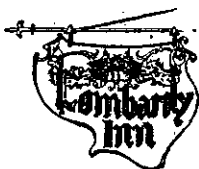
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Special 3.30 MEAL TICKET to STUDENTS, 3.00

Our New Room now Open. We have doubled our seating capacity
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WANTED.

Class histories for 1912 Technique. The writer of the best history of each class wins a Technique de Luxe. Competition closes January 1st. Get busy. For particulars leave word at Technique office. (tf)

Anyone having any fault to find with the Point System as it now stands will please state their views and suggestions in writing and send them to Joseph C. Fuller, 215 Newbury street, Boston, before Tuesday, November 22, 1910. They will be discussed in the Institute Committee on that date.

JOS. C. FULLER.

38-41 For Point System Committee.

Institute Committee meeting Tuesday, November 22; at 4.30.

1912 Class Picture will be taken on Rogers Steps Tuesday, November 22, at 1 P. M.

SENIOR PORTFOLIO COMMITTEE.

Nominations for Senior Portfolio Committee, signed by at least ten men, are due Friday, November 25, at 4 P. M., at the Cage, marked for the Nomination Committee, 1911. Portfolio Committee consists of five members and counts seven points. No restriction is placed on the number of nomination papers which may be signed by any one man.

H. F. DOLLIVER, Clerk.

1914.

There is room for a Freshman on the circulation department of The Tech. A good chance to get on the ground floor of the business department. See A. T. Gibson, Tech Office, today at noon. Get busy!

NOTICE.

Hockey—Meeting of candidates and all men interested in Hockey Team at 1 o'clock Tuesday, November 22, in 27 Rogers. 40-41

NOTICE.

Gentlemen, I call to your attention that I will pay more for your cast-off clothing than any one in my line of business. A trial will convince you. Send postal to Max Keezer, 3 Bow street, or telephone Cambridge, Mass., 302. (tf)

NOTICES.

Two volumes of Technique for sale, 1894 and 1895; 1895 is dedicated by President Walker and has his picture as a frontispiece. Apply at Room 36, Walker.

Will the Secretaries of all the organizations kindly hand a full list of their officers to the Societies' Editor of The Tech as soon as possible?

ASSISTANT MANAGERS OF TECH SHOW.

Competition for assistants in Tech Show, 1911, has begun. There are three assistants to be chosen, preferably one Sophomore and two Freshmen. Manager Lenaerts will be in the Show Office, Room B, daily, from 1 to 2 o'clock, to meet all candidates.

INSTITUTE COMMITTEE—Next meeting Tuesday, November 22nd, at 4.30, instead of Wednesday, 23rd.

D. R. STEVENS.

DEFICIENCIES IN PHYSICAL LABORATORY.

Attention of students is called to the fact that all deficiencies must, by Faculty rule, be made up before Thursday, December 1st. The laboratory will not be open to students for making up back work after that date. (1)

H. M. GOODWIN.

NOTICE.

Ben Ellis, 94 Dudley street, pays highest prices for Students' cast-off clothing. Send postal and will call. Nov 22 (1)

NOTICE.

WANTED—A second-hand leather handbag. Communicate with A. B. C., Cage. (1)

The Sheffield Freshmen have been assessed 35 cents each for the support of the Freshman football team.

The University of Minnesota offers a professional course for public school teachers.

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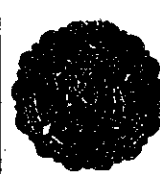
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