Members Visit Two Plants Which Are To Furnish Leather for the Book.

Yesterday those members of the Technique Board directly interested in the binding of the book made a trip to the plant of Winslow Brothers and Smith Company, tanners and dyers, to give their final approval in the matter of the leather to be used in this year's binding. So careful had the board been in the matter of the color of the leather to be used that it was necessary to dye it over twice before the exact that desired was obtained. A rich suede is being used, and the most careful process of manufacture has produced an effect, so far as color and finish is concerned, which will indeed be a surprise to all who see the book.

As a matter of statistics, there are forty-four skin kilns required for the binding of this edition. Of these one has been twice through the elaborate process of dyeing, stretching, drying, and final brushing up that a rich suede may be given to the finished book, and each one used that it was necessary to dye it twice before the exact that desired was obtained. A rich suede is being used, and the most careful process of manufacture has produced an effect, so far as color and finish is concerned, which will indeed be a surprise to all who see the book.

Copy of instruments in the leather was also brought forward.

The president announced the improvement of the laboratory in the Lowell building. Two dollars was collected toward the revolving of the club's transformer. The speaker, H. A. Affell '14, was called upon to deliver a talk, the subject of which was "High Frequency Alternators." He discussed various types of alternators starting with the earliest Thomas machine. Some of those machines were tried out and found to be inefficient, because they could not give enough frequency with the necessary output of power. Pessers developed a machine with a greater efficiency which was in turn superceded by the Goldsmith apparatus, which is being tested in Germany.

A meeting of the Wireless Club was called yesterday afternoon at 4.30 in 20 Eng. B. H. C. Gawler read a letter discussing amateur wireless operators' regulations. A second letter, from the Boston American, regarding Mr. Thomas's desire for a set of instruments in the Ieper colony, was also brought forward.

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The Goldsmith Alternator is a machine by which the fundamental frequency is multiplied four or five times by electrical means, so that we get a high frequency without an abnormally high speed apparatus. It is built to the size of one hundred kilowatts and has been successfully used in trans-Atlantic telegraphy.

THE RADIIUM SITUATION

Mr. Parsons To Speak on Absorbing Topic Tomorrow Night.

At 8.00 o'clock tomorrow evening Mr. Charles L. Parsons of the Bureau of Mines, Washington, D. C., will address the Society of Arts in Huntington Hall on the subject of "The Radium Situation." Mr. Parsons will tell something of the physical and chemical properties of radium, and will touch on our own and other resources throughout the world.

He will also take up the theoretical side of radium, to a limited extent. The lecture will be illustrated by lantern slides of both the radium country, and the results of the application of radium by some of our most eminent surgeons.

COMMITTEES FOR CLASS DAY ARE APPOINTED

Duffield Chairman of the Class Day Exercises Committee—Picture Friday.

At the Class Day Committee meeting held yesterday afternoon the following committees were appointed:


These committees will have charge of the details of Class Day and will make all arrangements. The Budget Committee, which is composed of the chairmen of all the other committees with the treasurer as chairman, will determine the approximate amount of money to be expended on Class Day, each different function being allowed a definite amount within the narrow bounds of which the committee will try to keep.

The date of the picture of the Committee has been changed to Friday at 1 o'clock. It will be taken at Hearst's Studio, 727 Boylston street.

The dinner will probably take place as usual on the day on which the men receive the notifications from the Secretary regarding their degree. The celebration at "Pops" will be the grand finale.

WEATHER

For Boston and vicinity: Rain and warmer tonight; Tuesday unsettled, probably occasional rains; moderate variable winds.

CALENDAR

Tuesday, March 31, 1914.

4.00—Show Ponies, Room B.

7.00—Episcopal Dinner.

Wednesday, April 2, 1914.

5.30—in Charge of Expanded Metal Lath.

8.00—Society of Arts Lecture, "The Radium Situation," Huntington Hall.

5.00—Institute Committee Meeting.

7.30—Cheese Makeup, Harvard Freshmen vs. M. I. T. Freshmen, Unica, Room A.

H. A. AFFELL DISCUSSUES ALTERNATING MACHINES

Goldsmith System of Alternator Compared with Earlier Machines.

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PORTFOLIO COMMITTEE

GATHERING DATA

Desires To Ascertain Number of Books Sold—Delinquents Troublesome.

At one o'clock this noon a member of the Portfolio Committee will be in the Union to meet men holding sign-up books for the Senior Portfolio. The Committee requests that each Senior who is signing up men for their book report at this meeting, as it is important that the total number of books already sold be known. Those who are unable to be present in person, which is most desirable, as there may be an announcement to make, may leave a note at the Union addressed to the Committee giving the total number signed up to date, with the number of books promised.

A few men have not yet returned their proofs but they are being attended to by the committee. The number of Seniors who have not yet handed in blanks in statistical blanks is very large, and this is bothering the men in charge greatly as no compilation of statistics to be sent to the printer can be started until all blanks are handed in. This will undoubtedly cause a delay in the publication of the book unless the delinquents hand in their Institute life history at once.

(Continued on Page 3.)

PRACTICE RUN TODAY

Train Leaves Back Bay at 3.54 for Highland.

A large squad is expected to take the practice Cross-country run over the Tech course this afternoon as it is the only chance for new men to learn the course before the race next Saturday. The run will be held rain or shine. The men will leave on the 3.54 train from the Back Bay station and the round trip fare will be twenty-five cents. This includes the hiring of a team to carry the men's clothes from Highland where the run starts to the field.

As the Spring Run had to be postponed last Saturday it will be run at the same time as the Freshman-Sophomore race next Saturday. The two teams can be chosen, the race run off, and the Freshman-Sophomore race decided by separate scoring.

HEATH COMFORTABLE

Leslie J. Heath of Chelsea, who was burned by the explosion of acetyl chloride Saturday, is resting comfortably, but it is not known yet how his eyes will be affected. He is at the Massachusetts Eye and Ear Infirmary.

ARCH, ENGINEERS

MEETING

The Architectural Engineering Society will hold a meeting today at 4 o'clock in Room 42, Pierce Building. The lecture of the day will be given by Mr. Alfred T. Goodwin, Manager of the Eastern Expanded Metal Company, the subject of his lecture being "The Uses of Expanded Metal Lath."

NOTICE

Students who wish to become members of the Harvard Deutscher Verein, should do so immediately with Professor Vogel in regard to his recommendation, which is necessary for election.
THE TECH, BOSTON, MASS., TUESDAY, MARCH 31, 1914.

ENGINEERING AND SCIENTIFIC NOTES

A Gigantic Silencer.

Several authorities on acoustics and methods of silencing noise indoors and outdoors are at present engaged in an effort to devise some scientific method of silencing the roar of three giant 16,000 kilowatt turbine-driven generators in the 50th street station of the United Electric Light & Air Company, New York. Professor Wallace C. Sabine, dean of the Graduate School of Applied Science at Harvard, is among those who are considering the problem. Because of the complaint of Washington Heights property owners the lighting company engaged a firm of engineers to make a thorough study of conditions and to try to find a remedy.

This firm several months ago was engaged to undertake the task of making sound proof a large room in the Cuyahoga County Court House in Cleveland, Ohio. C. S. Swan, a former Institute of Technology professor, and an associate of Professor Sabine, was in charge of the task, which was carried out successfully in the face of many obstacles.

The success of the Cleveland men led the electric lighting company to believe that it might be possible to kill the rumble of its huge generators. Because of the great speed at which the turbine-driven generators are operated, it is necessary to keep a draught circulating through the generating room. Otherwise the air would become unbearably warm and the machines would be overheated. Two large doors in the front of the building are left open all night, and with the rush of air from the basement generating room the roar of the generators is carried out into the night, disturbing the sleep of apartment dwellers a dozen blocks away.

Professor Sabine and Professor Swan have worked out an elaborate system which they think will do away with the sleep-disturbing roar in the future. They believed that the rush of air up from the basement carrying the sound of the generators through the open doors was a vital part of the problem. A system has been devised whereby the air from the basement will be conducted into a small well which will lead to the first floor. This well is to be equipped with partitions arranged close together after the fashion of the series of compartments in the Mexico silencer. These partitions are made of felt made of cattle hair. This felt is three inches thick. Professor Sabine's idea is that when the air rushes through the 20th floor the sound will be killed and the rumble of the generators will be reduced to a minimum.

THE TECH, BOSTON, MASS., TUESDAY, MARCH 31, 1914.

IN CHARGE OF THIS ISSUE.


There is growing up in our midst an institution as pernicious as it is irreconcilable with the principles of Technology. Once whose duties bring him often about the Union is soon impressed with the presence of numerous individuals who seem to have nothing to do but keep the chairs warm. Morning, noon and night they may be found averted over the crescent slouched down into the cushions indulge in little pleasant conversations about those who are pursuing their studies as they should. Those same individuals also indulge in the gentle art of playing cards or chess and monopolize the tables, giving vent to their loudest and most profane conversation when there is a speaker trying to make himself heard in the conversation when there is a speaker trying to make himself heard in the discussion of affairs most unfortunate for the building and equipment.

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SECOND ROUND RESULTS OF CHESS TEAM MATCH

Harvard and Tech Freshmen To Meet Thursday Night in Union.

In the second round of the Chess club tournament Jones '14 won from Lewiston '17, and Saladin '16 defeated Baxter '17 two to one, as did Woodbridge '16, Newman '15, Johnson '15, and lost to Dean '17 by the score of two to nothing.

A match between the Harvard and Tech Freshmen is arranged for Thursday evening. The 1917 team will be composed of Kenigsburg, Baxter and Lewiston; it will meet in the union at 7:30.

The members of the team for the Brown meet will be decided at the executive committee meeting this week.

INSTITUTE COMMITTEE

Special Meeting Today at 5:00 — Committees Report.

The Institute Committee will hold a special meeting today at five o'clock in Engineering C. The committee, which was appointed in order to investigate the constitution of the Technology Monthly will make its report. The report of the committee on the "All Technology Mass Meeting" will also be given.

All members of the committee are requested to be present, as the meeting is of more than ordinary importance.

SENIOR PORTFOLIO

(Continued from Page 1.)

There will be many improvements in this year's Senior Portfolio and the book will be a new one absolutely. The appearance has been radically changed for the better, there will be a greater number of photographs in it than ever before, a special process ink that gives a softness to the tones of the cuts, yet does not impair the distinctness, will be used, and yet with all the improvements the price will be one dollar less than last year. The cuts are on copper and are the best obtainable. Proofs of a few have been received from the printer and show off very well. As the engravings constitute perhaps the most important single item that makes for the success of the book, great care has been taken in their production.

In view of the cheapness of this year's book, the improvements over other years, and the fact that two hundred and forty books must be sold in order to come out even financially, the committee feels that every member of the class should support them in the efforts to produce the best Portfolio ever at the low price of five dollars.

Those who desire to sign up may do so on any of the following men who have sign-up books: Duffield, Crusewell, Shinn, Wait, Baynes, Calver, Paus, Barrett, Prior, Hines, Hilder, Morrill, Pearson, Halliday, Davison, Tread, Tofle, Wills, Wait and Wilkins.

BOSTON CHAIRMAN OF A. S. M. E. TO SPEAK

Talk on "Purchasing in Its Relation to Engineering" by R. E. Curtis.

A prominent member of the American Society of Mechanical Engineers, the chairman of the Boston section, Mr. E. E. Curtis, will be the speaker at the Wednesday's meeting of the Mechanical Engineering Society. His subject will be "Purchasing in Its Relation to Engineering."

Mr. Curtis graduated from the Institute in '97, and for a while after was assistant in the Applied Laboratory. He is at present acting as chief draughtsman and assistant mechanical engineer for the Edison Co. He was the secretary of the Boston section of the A. S. M. E. since that section was started and last year he was elected chairman. He has on numerous occasions read papers before the A. S. M. E. and his talk on Wednesday will prove profitable to those who attend.

The meeting will come at 4 o'clock in 11 B, and at 3:25 as was stated was started from misunderstanding in yesterday's issue of THE TECH.

LIVELY DEBATE HELD

Discussion on Women's Suffrage Won by the Negative.

The class in Argumentation and Debate discussed at the last meeting the question, "Resolved, that the women of the United States should be given the suffrage on equal terms with men." Benedict and Kleinert appeared for the affirmative; for the negative, Beilstein and Lewis. The affirmative won. Shoellkopf acted as chairman, and Bluestein as analyst.

Five members of the class attended on Friday evening the Harvard-Princeton debate on the same question. In this debate also the negative won, and in those at Princeton and at New Haven as well.

One feature of the course this year has been a visit paid to the Students' House to study debating under practical conditions, in the discussions of the Massachusetts legislature or the hearings before legislative committees.

EPISCOPAL DINNER

An informal dinner for Tech Episcopalians will be held this evening at 6:30 o'clock in the Trinity House, 83 St. James Avenue. All those desiring tickets may obtain them from Massey, Chessman, Farratt and Dowell for the sum of 50 cents.

The speaker of the evening will be Rev. P. C. Vanderbank, Vicar of St. Stephen's. Plans for the observance of Holy Week and the Cooperative Communion for Tech men on Easter Sunday will be discussed.

NOYES'S LAST LECTURE

England's poet laureate, Alfred Noyes, will make his last appearance in Boston at Tremont Temple, to night. The price of reserved seats runs from 50 cents to $1.50.

WOODBRIDGE-PROTHEOREN MATCH INTERESTING

Tech Man Defeated Brown Player by Narrow Margin in Hard Contest.

To the many lovers of chess at the Institute the following game between Woodbridge of Technology and Protheore of Brown in the recent Tech-Brown match, in which Woodbridge by very clever playing defeated his opponent in twenty-nine moves, will doubtless prove of much interest. The contest was close and the game attracted much attention, as both men are regarded as very good players.

White Black

Woodbridge Protheore (Tech) (Brown)

1 P-K4 P-QB3

2 Kt-QB3 P-Q4

3 P-K3 P-K3

4 P-K3 Q-B2

5 R-K1 Kt-Q2

6 B-Kt6 Kt-B3

7 Q-K5 KR-Q2

8 O-O K-Kt3

9 B-Kt5 K-R3

10 B-Kt3 K-R4

11 R-KKt4 Q-R3

12 B-Kt2 K-Q3

13 R-QR3 K-B4

14 K-R1 K-KKt2

15 R-KKt1 Q-KR3

16 Kt-KB5 P-QB3

17 Kt-B3 P-Q3

18 Kt-Q2 P-Q3

19 Q-B3 P-QB4

20 P-QR3 Q-R3

21 R-B2 Kt-KB4

22 Q-KKt3 Kt-B3

23 P-QR3 K-B4

24 R-QKt3 Q-KR2

25 PxP KxP

26 B-Q2 KxKt

27 QxQch K-Kt

28 QxPch K-Kt

29 B-Kt5 mate

The Senior Class Photographer

for M. I. T. '12, '13, '14 is

Charles Wesley Hearne

727 Boylston Street, Boston

Special Rates to M. I. T. Students

Windsor Cafe

78 Huntington Ave.

The most attractive cafe in the Back Bay district. The Best of Everything

Splendid Service Reasonable Prices

Our special 40c and 3o¢ luncheons are very popular

Musical evenings and Sunday afternoons

BUSINESS MEETING

A business meeting of the Cosmopolitan Club, will be held at 5 o'clock Wednesday afternoon in 8 Ang C. The report of the entertainment committee as well as that of the banquet committee will be heard. Members of the club must also report at this meeting on the sale of tickets of International night.

Harvard's 1914 football squad holds its first meeting of the year today.

All Goods Required by

Students at

Maclachlan's

502 Boylston Street

Drawing Instruments and Materials, Fountain Pens, Text Books

A balcony, first-class hotel, proud of New England traditions, dating from 1846. Warm, comfortable with every convenience. Long distance phone and running water is always on hand. Room rates: one to three persons. Rooms $1.25 a day and up.
THE TECH, BOSTON, MASS., TUESDAY, MARCH 31, 1914.

AT THE THEATRES

TREMONT THEATRE
Evgs. 8. Mat. Wed. & Sat. at 2
THE DUMMY

HOLLIS ST. THEATRE
Evgs. 8. Mat. Wed. & Sat. at 2
THE POOR LITTLE RICH GIRL

PARK THEATRE
Evgs. 8.10. Mat. Wed. & Sat. at 2
FANNY'S FIRST PLAY

COLONIAL THEATRE
Evgs. 8. Mat. Wed. & Sat. at 2
THE LITTLE CAFE

BOSTON THEATRE
Evgs. 8. Mat. Wed. & Sat. at 2
IN OLD KENTUCKY

PLYMOUTH THEATRE
Evgs. 8.15, Mat. Thurs. & Sat. 2.15
SHUBERT THEATRE
Evgs. 8. Mat. Wed. & Sat. at 2
LITTLE MISS BROWN

CASTLE SQUARE THEATRE
Daily at 2.10 and 8.10
CHARITY BALL

CORT THEATRE
Evgs. 8.10. Mat. Wed. & Sat. at 2
PRETTY MRS. SMITH

Everything for Men’s and Boys’ Wear in Town and Country Clothing, Furnishings, Hats and Shoes, Trunks, Bags and Travelling Kits

THE TECH UNION BARBER SHOP

SENIOR RELAY TEAM
Will Endeavor To Repeat Performance of Previous Years.

In the fall of 1913, when the call for Freshman relay candidates was issued, the class of 1914 responded well. After three weeks of hard work, a team composed of T. H. Guething, Captain; R. W. Bower, A. Crankshaw, C. R. Gardner, A. D. Elling, T. H. Guething, M. A. Oettinger, A. S. Smith, A. R. Stubbs, D. E. P. Anderson, H. S. Wilkins and A. T. Wyman was selected. Owing to the weather, Field Day was not much of a success. The field was a sea of mud and water and the track was so slippery that it was almost impossible to run. The relay race was won by 1913, but this did not make 1914 lose heart, for the next year a team composed of L. A. Wilson, Captain; J. W. Bottom, W. W. Bower, A. Crankshaw, C. G. Derrance, T. H. Guething, M. A. Oettinger, A. S. Smith, A. R. Stubbs, D. E. P. Anderson, H. S. Wilkins and A. T. Wyman not only won from 1914, but broke the record for the track. This record stood until it was broken last fall by the 1915 team.

The class of 1914 has one more chance to recover her lost glory and that will be at the Interclass Spring Meet on April 17. Her chances are of the best, for of the four men who will make up the team, three ran on the record breaking team. They are Captains L. A. Wilson, T. H. Guething, who is captain of the ‘varsity track team, and H. S. Wilkins, who is considered one of the Institute’s fastest sprinters. The fourth man was originally J. W. Bolton, who did not return this year. He will place will be filled without difficulty as there are two good men, C. E. Fox and A. F. Peaslee. Fox has run on the ‘varsity relay team all winter and Peaslee is considered a very fast man in the 220.

TROUBLE IN GLEE CLUB

It is very important that members of the Glee Club be on time for rehearsals. Tardiness is one of the greatest obstacles that the Glee Club has to fight. After the fellows have done their best to make it, it is up to them to support it, by attending, and attending promptly. An additional deposit will be necessary from those fellows who do not present themselves. The manager is calling the roll at 5 o’clock sharp. Absences will not be tolerated, and as far as the second tenors are concerned, there will be a general shake-up if the fellows are not more conscientious. It will mean money out of pocket to every man who forgets to report at 5:05 tonight.

TECH UNION BARBER SHOP
Located at the HOTEL WESTMINSTER

Ready to the institute, up-to-date fashionable hair cutting by skillful barbers in the best hydraulic fumigation. A perfectly ventilated shop on the Black Rock street car line with convenient lunchoom. Giving us a trial we are sure to satisfy you very truly.

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585 Boylston Street
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Bootblack Second Floor

The National "Making"

Enough "Bull" Durham Tobacco is sold in a year to make approximately 125 million cigarettes—about the same number as all brands of ready-made cigarettes in this country combined—and the sales are steadily growing.

One thing that has always been heartily appreciated about "Bull" Durham is its unique, delicious aroma. This special and individual fragrance is produced by an exclusive process known only to the makers of "Bull" Durham. You recognize it in an instant. You can get it in no other tobacco.

Genuine "Bull" Durham SMOKING TOBACCO

(Enough for forty hand-made cigarettes in each 5c. pack)
Get a 5-cent sack at the nearest dealer's today. "Roll your own"... and enjoy the most satisfying luxury in the world. Sold wherever good tobacco is sold—and you can always get it fresh.

FREE An illustrated booklet showing how to "Roll your Own," and a book of cigarette papers, will be mailed free to any address of A. S. on postal request. Address "Bull" Durham, Durham, N. C. Room 1210.

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"The lowest price consistent with best work."

Two minutes’ walk from all Tech Buildings. Unexcelled facilities; the most fastidious Bowler can enjoy this fascinating and healthful amusement. Alleys reserved and screened for private parties. Come in and enjoy a little fun and exercise between periods.

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Choice seats for all Theatres
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Who Does Your Typewriting and Stenographic Work?

Try
W. P. WATSON
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