

THE TECH

VOL. XXXIV. NO. 77.

BOSTON, MASS., FRIDAY, JANUARY 1, 1915

PRICE THREE CENTS

MECHANICAL SOCIETY TRIP TO PROVIDENCE

Inspection Of Plant Of Brown & Sharpe Company Enjoyed By All.

About twenty-five men took advantage of the opportunity offered by the Mechanical Engineering Society to visit the plant of Brown & Sharpe, manufacturers of machine tools, in Providence last Wednesday. The Brown & Sharpe company is noted for the machinery and fine tools they make and the trip proved to be a very instructive as well as a very pleasant one.

The men left Back Bay at 10.11 A. M. and got to Providence shortly after 11. As the inspection of the factory was not to begin until 1 P. M. a visit was made to the buildings of Brown University. As is to be expected, a lively interest was shown in the mechanical laboratories there.

At the factory the men were divided into four groups, each group being in charge of a foreman capable of explaining and describing the points of interest met with.

One of the most interesting things was the filing department where all the screws and similar small parts for the machines are kept. All these parts are numbered and are obtained by the different departments by re-

(Continued on Page Four)

INTERCLASS MEET

Date Changed To January Ninth Owing To Conflict.

Due to the conflict with the Concert of the Musical Clubs next Friday, the date of the Indoor Interclass Meet has been changed to Saturday afternoon, January 9, 1915. The meet will start promptly at 2.30 P. M. The admission is 25 cents.

This is the one meet of the Indoor season in which only Technology men of all the classes compete. Numbers are awarded for places and aTa's for first place. The meet is also a try-out for the coming Indoor games.

The following list of events will be run off: 35 yard hurdles, 40 yard dash, 440 yard run, half mile, mile, high jump, pole vault and shot-put. Entry books are to be found in the Union or at the Gym.

SOUTHERNERS' SOCIAL

Last Tuesday evening those members of the Southern Club who remained in Boston over the Christmas vacation held an informal party at the Union. Dancing was the feature of the evening. About 30 couples gathered around the log fire which added to the enjoyment of the storytelling following the refreshments. Mrs. Gay acted as chaperon.

BRILLIANT SOCIAL EVENT TO BE HELD NEXT FRIDAY NIGHT

Musical Clubs Will Give a Concert in Huntington Hall Followed by a Dance in the Union Given By the Institute Committee

The Combined Musical Clubs, in conjunction with the Institute Committee, will give a Concert and Dance on Friday evening, January 8th. The concert will be given in Huntington Hall from eight o'clock to nine forty-five, and will be followed by the dance in the Union. The musical entertainment will include the same numbers that were rendered at the Winter Concert, and will offer a good opportunity to hear the Combined Clubs at very low cost. White tickets, for the Concert alone, will be twenty-five cents, and red tickets for both the concert and dance will be sold for seventy-five cents.

This entertainment is to replace the special midwinter event of previous years, of which last year's "Yish-ka-Bibble" was a typical example. The proceeds from the concert will be used to defray the expenses

of the mid-year trip, and those from the dance will be used by the Institute Committee for the activities in general.

No seats will be reserved in Huntington Hall, but the management promises to make ample provision for "fussers." The affair is to be wholly informal, and it has been suggested that the audience join in the choruses of the Tech songs. It is planned to include as many Tech songs and popular hits as possible in the program.

Dancing will begin at the Union at ten o'clock, both upstairs and downstairs. The "Chateau" orchestra, which needs no introduction to many Institute men, will furnish music.

Tickets may be obtained from members of the Musical Clubs, of the Institute Committee, or at the Cage.

ALUMNI BANQUET

Many Prominent Speakers Chosen For The Occasion.

The annual banquet of the M. I. T. Alumni Association will be held on Saturday, January 9, at seven o'clock in the Hotel Somerset. Lieut.-Governor Grafton Dulany Cushing; Ex-President William Howard Taft; and Howard Elliot, president of the N. Y., N. H. & H. R. R.; will speak on a wide variety of subjects. The committee has also arranged for several surprises between the courses. At the conclusion of the banquet President-Elect Henry J. Horn will officially assume his duties.

MUSEUM OF FINE ARTS

There will be two free lectures at the Museum of Fine Arts on Sunday, January 3. Mr. H. H. Powers will speak on "The Work of Praxteles" in the Classical Cast Court at 2.45 p. m., and Mr. Dows Dunham will speak on "Old and Middle Empire Sculpture" in the Mastaba Gallery at 3.30 P. M.

M. I. T. A. A.

A meeting will be held on Tuesday, January 5th and also on the 12th for all members of the Athletic Association in 8 Engineering C at 5 P. M.

INSTITUTE BEQUESTS

\$400,000 Given To The Institute During The Year.

The Institute has received in gifts and bequests the past year the sum of \$400,000, besides two items where in it is residuary legatee and the amounts have not been determined. Following is the list of gifts:

Bequest of Caroline L. W. French, outright	\$100,000
residue	100,000
Bequest of Lucius Tuttle	50,000
Bequest of Nathaniel Thayer	50,000
Bequest of William Endicott, residue	25,000
Bequest of Matilda H. Crocker, outright	20,000
residue	20,000
Bequest of Mrs. W. A. Abbe	10,000
Gift for George Henry May Scholarship	10,000
Gifts for research in a number of amounts	10,000

The two residuary legacies are those of the wills of Morrill Wyman and Horace W. Wadleigh.

TRIALS POSTPONED

Owing to their nearness to Christmas vacation, the 390 yard trials have been postponed to Wednesday afternoon, the 6th of January. All men out for the Relay Team should be out at that time and take their trials. Any time from 3 to 6 o'clock is suitable.

INSTITUTE ATHLETICS ARE SHOWING UP WELL

Technology Is Expected To Rank Among The Leaders Next Year.

Judging from the men who have come out for sports at the Institute this winter, interest in athletics is steadily on the increase. This may be due to a large extent at least to the efforts which are being made to build up the strength of the different teams so that when the college affairs are transferred from the present site on Boylston street to the other side of the river a reputation in college athletics will have been attained. There are several forms of athletics indulged in at the present time, chief among which are track, cross country, wrestling, and hockey and such minor sports as encing, gymnasium work, basketball, and crew. The fact that the athletic field at the new site was opened this fall has done a great deal to bring the center of sports nearer the Institute than when it was necessary for

(Continued on Page Two)

CHESS LEAGUE

Local Clubs Form Metropolitan League.

Representatives from seven of the chess clubs of this city met about three weeks ago and formed the Metropolitan Chess League. Six men are selected from each team to compete in matches. The interclub series commences tonight. The Technology team drew a bye for the opening meet and will not play until January 15th. The following schedule has been adopted:

January 15—M. I. T. plays Y. M. C. Union at the Boston Chess Club
January 22—M. I. T. plays Bay State Club at home
January 29—M. I. T. plays Tufts at home
February 5—M. I. T. plays at Boston Chess Club
February 12—M. I. T. plays at Wells Memorial
February 26—M. I. T. plays Y. M. C. Union at home
March 5—M. I. T. plays Bay State at home
March 12—M. I. T. plays Harvard at home
March 19—M. I. T. plays at Tufts
March 26—M. I. T. plays at Boston Chess Club
April 2—M. I. T. plays Wells Memorial at home

SON BORN TO PRESIDENT

A son, Richard Colin Maclaurin, was born last Saturday to President and Mrs. Maclaurin. He is the second son in the family.

THE TECH

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FRIDAY, JANUARY 1, 1915.

IN CHARGE OF THIS ISSUE

Editor: W. F. Johnson, '17
Associate: H. N. Keene, '17
Assistants: B. A. Thresher, '18;
M. A. L. Eales, '18; J. C. Purves, '18.

In behalf of the students of the Institute we offer heartiest congratulations to President and Mrs. MacLaurin on the arrival of their new son, Richard Colin. Such a promising prospective addition to the undergraduate body is a most welcome Christmas gift.

The Tech has always been subjected to more or less criticism on account of mistakes made in the news columns. While we can never completely eliminate the element of human fallibility, we have this year reduced our own errors to a very low point, and most of the inaccuracies are traceable to the parties who furnish the news. Activities are not only very uncertain in handing in their news, they are extremely lax in the manner of writing it up. Practically never is information submitted in proper form for printing, often it contains positive inaccuracies, and very seldom is it even sufficiently clear and definite to form the basis of a well-rounded article. Obscure points must of course be filled in by the re-writer to the best of his ability if additional information is not obtainable.



In a vast mass meeting held just before Christmas, the students of Columbia University declared themselves to be opposed to the spirit of militarism which they assert is sweeping over the country. The following resolution was passed without a dissenting vote:

Resolved: That we, the students of Columbia University, in mass meeting here assembled, hereby go on record before Congress and the people of the United States, as opposed to militarism in general, and an increase in our army and navy in particular."

Steps were then taken for the formation of an intercollegiate anti-militarist society.

Many students at the University of Virginia are financially embarrassed because of the condition of the cotton market in the South. The trustees of the university have therefore ruled that during the current year, United States warehouse receipts for cotton will be accepted in place of money for the payment of tuition fees.

A pamphlet recently issued at Washington states that the total enrollment in institutions of higher learning in the United States is more than 200,000, and that the amount expended for education annually exceeds \$500,000,000.

ATHLETICS

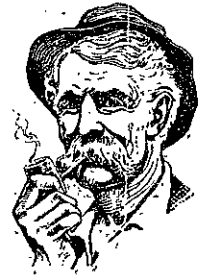
(Continued from Page One)

the men to go out to the Brookline field to practice. This fact alone has resulted in quite an additional number of men coming out for track and field events. The cross country squad numbered 40 men during the running season and on an average there were 30 men who showed up for the practice runs, this showing being far better than has ever been made before at Technology by the cross country men. Owing to the fact that the team loses only one man, Captain Cook, by graduation next June, it is expected that Technology will rank among the leaders in next year's I. C. A. A. A.

At the present time there are over 70 men taking regular track work at the gym so that Coach Kanaly has a variety of material from which to pick his relay team for the indoor meets which start next month. When one stops to consider the heavy course of study the men work under as well as the small number of men which are available in comparison to other colleges, this showing is remarkable. Though the absence of preparatory school stars may be responsible for the number of men coming out a great deal is due to the general feeling that most of the men enter on an equal footing and the coach's idea is to give the men on the team as well as the poorest runner on the squad equal attention.

(Continued on Page Three)

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NEXT TUESDAY SET FOR JUNIOR DINNER

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 Entertainment.**

The 1916 class dinner which is to be held at the Union on Tuesday evening, January 5th, is expected to be one of the most unique affairs of its kind which have been given at the Institute. It is expected that fully 200 will be provided for, and a report of how the sale of tickets is progressing will be made public next Monday. The special feature of the banquet will be a film of moving pictures showing last year's Technique rush, as many men have not yet viewed this scene on the screen.

The speakers will be Dean Burton, Professor Hayward and Mr. Blackstein. The committee in charge consists of W. J. Farthing, T. F. McSweeney and R. H. White, and tickets may be secured from any one of these.

ATHLETICS

(Continued from Page Two)

As an example of this Captain Cook who won the two-mile run in the New England intercollegiate last spring, is one of the many men who never did any running before coming to the Institute.

Wrestling is perhaps the most favored sport, as is shown by the fact that the squad numbers about fifty men. Although it has only been a recognized sport for three years, the team has gone through two and one-half seasons without a single defeat, and in this way has brought the sport before the Technology man as forcibly as could be done. A full schedule with meets every week during the middle of the season has kept the varsity men active, while the interclass and novice meets for those not on the team has served to hold the interest of these during the last two years and it is planned to continue the same policy throughout this season.

Conditions are different regarding hockey and the number of men is limited to those on the varsity squad. The Arena is the only place available for practice and as the time and number of the men is limited the squad is cut down to a minimum early in the season.

With a varsity squad numbering about twenty men basketball is attracting a considerable number of men. In addition to this there are class teams of the freshmen and Sophomores bring out several more.

Fencing, gym work, and the swimming team also show an increased interest in athletics. The gym team has induced about fifteen men to display their talent and fencing has resulted in as many men coming out as are out for the sport at Harvard. Twenty-five men have come out for the newly organized swimming team, the majority of whom are still showing considerable interest in spite of the fact that the men are charged individually for swimming privileges at the Y. M. C. A.

The lack of funds to obtain proper (Continued on Page Four)

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M. E. TRIP

(Continued from Page One)

quisitions, thus keeping account of the number used. In the measuring room the party saw the machines for measuring the caliper and cylindrical gauges. These gauges must be correct to within one ten thousandth of an inch. In the foundry, after being shown the methods of cleaning castings by means of air blast and rolling barrels, the party saw the moulding and casting of a motor cycle cylinder. This was the finest and most difficult job being done at the time, the thin cooling flanges of the cylinder making the casting of the piece very difficult.

In the erecting room there were machines in all stages of completion. The war has caused a large demand for milling and automatic screw machines, particularly the latter since on them shrapnel and cartridge jackets are made. The company make gears for automobile concerns and the gear cutting machines are run night and day to supply the demand.

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PORTRAITS AND GROUPS

sewing machines and the men had the opportunity of seeing some of these machines being tested. Of especial interest was one having nine needles working at once. These machines make the flat seam used chiefly in underclothing. The seam is hardly thicker than the cloth itself. The jigs and special tools for these machines cost a quarter of a million dollars.

The party was shown through the grinding rooms, the power plant, the stock room where large quantities of bar steel is kept, and back to the main office and the letter filing room where all orders are filed. The time taken to go through the works was about three hours and a half. Later the party left the factory and took the train for Boston, arriving here about 6.30 P. M.

ATHLETICS

(Continued from Page Three)

shells has caused somewhat of a setback in crew, but an attempt is being made this winter to interest the Alumni in the matter so that the varsity crew will again be seen this spring. Last year in spite of the adverse and discouraging conditions the crew attracted even more men than track as about eighty men came out.

MANDOLIN CLUB

There will be a rehearsal of the Mandolin Club at 5.00 o'clock this afternoon at the Union. All members are requested to be present as the numbers for the concert next Friday

A Letter from "Ma" with P. S. from Sister

"It was all right to be an Indian in the football season, but you must be civilized now, and heed your social duties. You told us in one of your letters about that beautiful dress suit that Burke makes for \$50.00. Get one, if you haven't."

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UNION COLLEGE TEAM DEFEATS TECHNOLOGY

Basketball Team Loses To Last Year's Intercollegiate Champions.

The basketball team opened its season Wednesday night with a game with the strongest team that will oppose it this year. They were defeated by Union College which had the complete veteran lineup that won the intercollegiate championship last year. One big benefit derived from the defeat at Schenectady is that it was plainly evident that in order to compete with coached college teams the Technology team needs a coach. The team has been fortunate in securing the services of Crane, the old Wesleyan player for three years an All-American guard, as coach and he will start work today. In this game Hudson played the best for Technology, making a remarkable showing in his defence work.

Union.	M. I. T.
J. Beaver, rf,	lb, Kendall
Scoby, rf	
Haubner, lf,	rb, Hudson
Mudge, lf	
Woods, c,	c, Miller
Girling, rb,	lf, Morse
D. Beaver, rb,	lf, Rausch
Houghton, lb,	rf, Smith

Score: Union 52, M. I. T. 14. Goals from floor: Haubner, J. Beaver 4, Scoby, Woods 6, Houghton 4, Girling, D. Beaver 5, Smith, Morse, Rausch, Miller, Hudson. Goals from fouls, Houghton 8, Morse, Smith 3. Time: 20 minute halves.

FACULTY NOTICE

Fourth year students in Course VI are reminded that choice of general option should be made and recorded at the Registrar's Office for the second term before January 10th, 1915.

WALTER HUMPHREYS,

Registrar.

THE TECH

VOL. XXXIV. NO. 77.

BOSTON, MASS., MONDAY, JANUARY 4, 1915.

PRICE THREE CENTS

OBLIGED TO POSTPONE JUNIOR CLASS DINNER

February Sixteenth New Date Set—Several Reasons Cause Change.

The Committee in charge of the 1916 Class Dinner has been obliged to postpone the date from tomorrow evening until Tuesday, February 16th. Tickets already sold will be good on the new date.

The change of date has been made necessary for a number of reasons. The Committee feels that the sale of tickets has been unusually small. Several of the best speakers will be unable to be present tomorrow night, but can attend on the sixteenth of next month. Owing to the present legal trouble between the Park Theatre and the City of Boston, the municipal building commission has refused to make any exception to the rule that buildings in which moving

(Continued on Page Two)

SECOND TEAM MEET

Institute Novices To Wrestle B. Y. M. C. U. Seconds.

Next Thursday, a novice team of Technology's matmen will meet the second team of the B. Y. M. C. U. Any man in the Institute, who has not won a varsity wrestling bout, can compete for a place on this novice team.

Tryouts for the team will take place this afternoon in the Gym. The management requests the following men to be on hand: Means, Clark, McFarland, White, Wooten, Magoun, Pinkham, De Salvo, Wirt, Mertz and Wiley.

SHOW COMPETITION

This afternoon from 4 to 6 p. m. music submitted for Tech Show will be judged in Room B Union. Competitors are requested to hand in a copy of each melody and be able to render the music in some fashion. Thursday, Jan. 7, competition in the Show Orchestra will commence. Posters are due Jan. 11, at 5 p. m.

HOCKEY PRACTICE

There will be hockey practice tonight at 6 p. m. at the Arena. A cut has had to be made on the Hockey Squad to conform with the Arena regulations. The following men have been retained: Sawyer, C. Tutein, Winton, Keeler, Jewett, Woodward, Holden, Coward, Ross, Gould, Lowengard, Bakewell, Toye, Gray, Stuart, Cochrane, Gleason, Johnson.

THE ANNUAL REPORT OF PRES. MACLAURIN

Mention Made of Co-operation With Harvard And State And New Course.

The annual report of President Maclaurin contains the first official reference on the part of the Institute to the agreement with Harvard University. Concerning this co-operation the report says: "It represents the joint effort of two independent institutions to place the resources of both at the service of students of engineering. As soon as the possibility of co-operation between the two institutions was made clear by the readiness of each to make everything subservient to the desire to serve the community, the various possibilities were considered. It soon became evident that there could be no effective co-operation on a large scale if the institutions maintained separate laboratories and independent staffs. A few students might be moved from one place to another, but any extensive interchange of the kind would be impracticable. The only satisfactory method of overcoming the difficulties was that which was adopted."

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MINING SOCIETY TALK

Mr. S. Le Fevre To Give Lecture On Safety In Mining.

The monthly meeting of the Boston section of the American Institute of Mining Engineers, with which is affiliated the Mining Engineering Society of Technology, will be held this evening. Previous to the dinner, a talk on "Safety in Mining," illustrated by moving pictures, will be given by Mr. S. Le Fevre at the Exeter theatre, corner of Newbury and Exeter Street. This talk will last for one hour, from 6 to 7 P. M., and admission will be free to all students and any others who are interested in the subject. Mr. Le Fevre is general manager of the big iron mines near Port Henry, New York.

E. E. SOCIETY TO DINE

The annual banquet of the Electrical Eng. Society will be held Thursday evening, January 7, at seven o'clock, at the Copley Square Hotel. The banquet committee has been very fortunate in securing as the speaker of the evening, Mr. Paul M. Lincoln, the President of the A. I. E. E., and an official of the Westinghouse Elec. & Mfg. Co. In addition to Mr. Lincoln, Professors Jackson, Lawrence and Wickenden, and Mr. Greene will speak.

ANNUAL INTERCLASS MEET NEXT SATURDAY

Much Interest Has Been Excited And Close Competition Is Expected.

Competition promises to be very close in all the running events of the annual interclass meet which will be held at the gym Saturday afternoon. With the large squad out for the 390 yard relay, the quarter mile will be the best event on the program. Owing to the fact that the race will be run in heats, all who intend to run are requested to hand in the entries as soon as possible.

As in previous years, the Institute is weak in the field events, especially in the shot put, where up to date only two men have entered. As the aTa is given to winners and numerals are awarded for any of the first four places, there is an excellent opportunity for weight men to acquire the insignia.

Nearly all the short distance men will enter both the forty yard dash and the quarter mile. Frank O'Hara is a fast man off the mark and should take first place in the dash, while Reed and Guething all look good for a place.

The quarter will be a free for all fight between half a dozen men with Cy Guething a favorite for first. Guething's running is the sensation of the season. In the last trials he ran four laps in 44-2-5 seconds, breaking the former record for the distance held jointly by Freddie Burns

(Continued on Page Two)

CIVIL ENG. SOCIETY

Will Hear Mr. Cooper Thursday—Refund For Trip.

Next Thursday afternoon at 4 p. m. in 11 Eng. B, Mr. H. L. Cooper of New York City will address the Civil Engineering Society. Mr. Cooper is the engineer who conceived the Keokuk Dam project, promoted the idea and carried it to a successful conclusion.

For those men who missed the car for Riverside, H. C. Thomas will refund to them their deposits upon application to him in the senior drawing room, 44 Eng. B, any time after 10 a. m. Thursday.

CROSS COUNTRY PICTURE

The picture of the cross country team will be taken at Notman's at 1.10 today. All men who ran in either of the intercollegiate races are expected to be present with running suits and shoes.

CONCERT AND DANCE NEXT FRIDAY NIGHT

Institute Committee Acting In Conjunction With Musical Clubs.

Tickets are now on sale for Friday evening's concert and dance, given by the Combined Musical Clubs and the Institute Committee, respectively. Admission to the concert alone will be twenty-five cents, and to both the concert and dance, seventy-five cents.

The concert will include numbers by the Glee Club, Mandolin Club, Banjo Club, Instrumental Trio, Hawaiian Quartet, the Glee Club Quartet, a reader and a soloist. The affair will be positively informal, except for the members of the Musical Clubs. No seats will be reserved in Huntington Hall, where the concert will take place.

Dancing will begin at the Union, both upstairs and downstairs, at ten (Continued on Page Two)

OFFICERS CLUB SMOKER

Major Cole And Lieut. Hunsaker To Give Talks.

The Officers Club will hold a smoker in the Union Wednesday evening, January 6, at 7.45. The speakers are to be Major Cole and Lieutenant Hunsaker of the department of aerodynamics at the Institute. The former will take as his subject "Military Tactics" and the latter "The Military Value of Aviation." Lieutenant Hunsaker will illustrate his talk with a number of slides.

M. I. T. A. A.

There will be a meeting of the Athletic Association Tuesday, Jan. 5, at five o'clock, in Room 8, Engineering C.

CALENDAR

Monday, Jan. 4, 1915.

- 1.10—Cross Country Picture. Notman's.
- 4.00—Tryouts for Novice Wrestling Team. Gym.
- 4.00—Music Competition Show. Room B, Union.
- 6.00—Mr. S. Le Fevre Talks to Boston Sec. Am. Inst. of Mining Engrs., Exeter St. Theatre.
- 6.00—Hockey Practice. Arena.
- 6.45—T. C. A. Discussion Group, Room A, Union.
- 8.00—Lowell Inst. Lecture, H. Tuesday, Jan. 5, 1915.
- 1.30—M. I. T. Forum. 8 Eng. C.
- 4.15—Mandolin Club Rehearsal, Room B, Union.
- 5.00—M. I. T. A. A. Meeting. 8 Eng. C.

1916 DINNER POSTPONED UNTIL FEBRUARY 16th.

THE TECH

Entered as second-class matter, Sept. 16, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

MONDAY, JANUARY 4, 1915.

The grant of additional insignia to winners of the T who already possess it has been under consideration for a long time and seems to stand the test of thorough consideration. While we think it undesirable to subordinate the T, with all its associations, to any other emblem, the advantages of affording our athletes an inducement to remain active, and suitably rewarding the faithful ones, outweigh the objection.

JUNIOR DINNER

(Continued from Page One)

pictures are held must be especially constructed for the purpose. This will make it impossible to show the pictures of last year's Technique Rush and the other films as originally planned. A conclusion of the lawsuit is expected within a week or so and the Dinner Committee will then know whether they can show the films.

INTERCLASS MEET

(Continued from Page One)

and Tom Guething. The longer distance will be even more to his liking and he is expected to break the record of 57 seconds which has stood for several years.

Second place will be a close fight, with Colleary, Adams, Frank O'Hara and Charlie Reed all in the fight. Colleary has made the fastest time for four laps, but Reed is apt to nose him out at the longer distance.

According to present indications the half will have to produce a new star. Allan who formerly ran the mile, has been doing short distance work and looks easily the best of the field should he decide to enter this event. Hamilton also has been coming along well and looks good for a place.

In the mile Captain Cook will have things all his own way, for the majority are not in training. Stevens of the freshmen looks like the best bet for second place. Wilkins has been in training only a short time but is a strong, consistent runner and fairly sure of a place.

Tommy Huff will have things his own way in the hurdles with Foster and Sewall fighting it out for second. The high jump will bring out a three cornered fight between McKinnon, Sullivan and Teeson, with McKinnon a slight favorite.

Owing to the close competition for the mile relay, and the interest it has excited at the Institute, it is expected that a large audience will be present.

CONCERT AND DANCE

(Continued from Page One)

o'clock. Music will be furnished by the Chateau orchestra.

Tickets may be obtained at the Cage, as well as from members of the Musical Clubs or the Institute Committee.

INSIGNIA GRANTED IN ADDITION TO T

Stars Given To Winners Of More Than One T — Other Changes In Awards.

The Advisory Council on Athletics has approved certain changes in the awarding of athletic insignia, the most important being the granting of stars to be placed beside and below the T in the case of men who, after winning the T, qualify for it in a later year or in another varsity sport. For the purpose of this classification, the Relay Team shall be included with the Track Team, the Cross Country Team being separate.

The stars are to be symmetrical, five-pointed, and of a size to be inscribed in a two-inch circle. The material and color are the same as the T. The first and second are to be placed two inches to the right and left, respectively, of the center line of the T, and 3-1/8 inches below the crossbar. The third is to be 1-1/2 inches vertically below the base line.

All other changes in insignia which have been made since the publication of the last edition of "Concerning M. I. T." are as follows:

Scoring members of a winning cross country team, or any man making twelfth place or better at the I. C. A. A. A. A., or eighth place or better at the N. E. I. A. A. runs, are entitled to the T. The Advisory Council, at its discretion, may award the T to members of a winning team in relay races or dual or triangular cross country runs. aTa shall be awarded to winning teams in intercollegiate relay races, cTe to any man making twentieth place or better in the N. E. I. A. A., and sTt and wTt to members of swimming and wrestling teams respectively who take part in two-thirds of the meets in any one season, and to the managers.

ENGINEERING AND SCIENTIFIC NOTES

The following are the first of the annual data for the past year given out by the statistician:


The total coal production of the United States in 1914 was about 510 million short tons, a decrease of about 60 million tons compared with the record output of 1913. The production of Pennsylvania anthracite in 1914 was not materially different from that of the preceding year.

The production of refined lead, desilverized and soft, from domestic and foreign ores in 1914 was approximately 537,079 short tons, worth at the average New York price \$41,892,162, compared with 463,460 tons, worth \$40,696,480, in 1913. The figures for 1914 do not include an estimated output of 12,850 tons of anti-monial lead.

The output of refined copper from primary sources, domestic and foreign, for 1914, was 1,493,000,000 pounds compared with 1,615,067,000 pounds in 1913. Arizona continued in first place among the copper-producing states, but had a notably decreased output.

Tryouts for Novice Wrestling team this afternoon.

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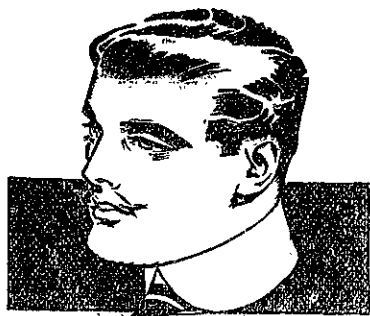
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PRESIDENT'S REPORT
(Continued from Page One)

Although the agreement does not go into full effect until the Institute is ready to occupy its new buildings, during the present year the professors of engineering at Harvard are taking part in the regular work of the Institute's Faculty, and it has been particularly gratifying to Technology to notice how smoothly the joint effort is working and how easily difficulties have been overcome that to the vision of some seemed in prospect to be formidable.

"The readiness of all concerned to make the joint effort eminently successful," said Dr. Maclaurin to his Corporation, "is a tribute to the breadth of spirit of the teaching profession. I do not think that there can now be the slightest doubt that the arrangement is not only workable, but very easily workable, and that immense benefit will accrue to the community from the combination of effort on which we have agreed."

One of the important events of the year upon which Dr. Maclaurin comments is the decision of the Supreme Court with reference to the Institute's title to its property on Boylston Street. The title is now thoroughly established and the nature and extent of the incumbrances clearly defined, so that the Corporation stands on firm ground in making plans for the future use of this ground or the buildings erected thereon.

President Maclaurin notes the establishment of the Course in Engineering Administration during the year after much careful discussion. The number registered for the course this year is Fifty-seven, "Some of its larger possibilities," writes Dr. Maclaurin, "may be indicated by the brilliant achievements of the Institute's alumni who have added engineering knowledge to skill in the handling of business problems."

Under the caption of "Problems for the Future," President Maclaurin takes up first the much discussed Co-operation with the State. In his concluding paragraph President Maclaurin makes reference to the financial problems of the future. The prospects of Technology, he says, are exceedingly bright and the apparent difficulties are not in the distance but within the next few years. The condition of business has not interfered with the payment of the largest gifts, but many others have been of necessity postponed. To accentuate the difficulty the stagnation in real estate may be expected to postpone the disposition of the Institute's holdings in Trinity Place, which with propriety had been counted on when the policy of building was outlined. Then there will be needed half-a-million for equipment, of which but little has been given. To these matters the attention of the members of the Corporation and the friends of Technology is directed.

Cross Country Picture. 1.10 today at Notman's.

M. I. T. A. A. Meeting at five tomorrow in 8 C.

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FORUM TO MEET

Tomorrow at 1.30 the M. I. T. Forum will meet in 8 Eng. C to discuss plans for the Club's activity. Mr. Tead will report concerning the address which is to be given on Jan. 12 in the Union.

Brief informal reports will be received from the members who attended the Convention held during the holidays in New York.

FACULTY NOTICE

Third year Physics Heat problem will be returned in the basement of Walker building for one week beginning January fourth.

UNCLAIMED MAIL

There is a large volume of unclaimed mail at the Cage addressed to the following organizations: 1915 Portfolio Committee, Chemical Society, Hockey Team, Class of 1915, Treas., Mgr. 1917 Football, Class of 1918, Treas., Mgr. 1918 Basketball.

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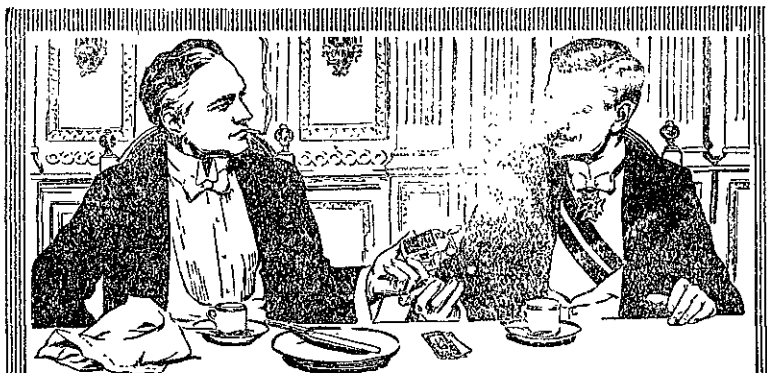
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