

# THE TECH

VOL. XXXI. NO. 81

BOSTON, MASS., SATURDAY, JANUARY 6, 1912

PRICE TWO CENTS

## PLANT TEST CLOSSES TODAY AT EIGHT

### Breaking of a Piston on Russell Engine Only Mishap of Week.

The plant test which began Wednesday morning at 8 o'clock closes this morning at the same hour. Only one mishap has occurred, and that was the breaking of the piston rod on the 600 K. W. Russell engine on Wednesday. This was not due to any carelessness on the part of the men, but would have happened any way under the ordinary conditions.

The test is divided into two parts, the boiler test and the engine test. There are four Babcock and Wilson 250 horse-power boilers. The tests on these are as follows: The feed water is weighed by one man, another weighs all the coal used and takes the gauges. The chimney gas is analyzed by other men, and after it is separated into its components the percentage of wasted fuel is calculated.

Owing to the accident with the Russell engine a 75 Kilowatt Westinghouse engine and a 150 Kilowatt Curtis Turbine are used in the daytime, and the Westinghouse alone is run at night. The two engines run approximately seven hours, and the single one runs about fifteen hours out of the twenty-four.

The test on the engines consists of taking indicator cards every fifteen minutes, calculating from these the pressure and the horse-power. The field currents are read and the voltage determined. The number of revolutions per minute are also ascertained. The condensed steam is weighed and the quality of the steam calculated. This is done with a Peabody Calorimeter and checked by another man.

The men will meet on the tenth and each man will be given the date on the boiler test to work out, and the part on the engine test in which took a part.

## DARTMOUTH PLAYS PRINCETON TONIGHT

### First Game for the Green Team While Tigers Have Won Several.

The first game of the Intercollegiate Hockey League will be played at the Arena this evening, when Dartmouth goes up against Princeton. This will be Dartmouth's first game, and as they have had little practice, not being able to get on the ice until last week, little can be told as to their ability. Only two men, Captain Wells and Bullard, are left from last year's team, but several likely new men have appeared to fill their places. Anglehorn, Ambrose and Barrett of the football team have showed up well.

Princeton, on the other hand, has practiced since the first of the year at the St. Nicholas Rink in New York, and have played several games. They have decisively defeated Williams and won two games from Yale. From their early showing they seem to have a chance for the championship of the league. Baker has shown up exceptionally well and looks to be about the best intercollegiate player.

## SOPHOMORES HAVE EASY TIME

### WINNING INDOOR CHAMPIONSHIP

### Dalrymple Breaks Record in High Jump—Relay Race Between "Cinders" and "Clinkers" Interesting.

By a score of 38 points, more than twice as many as their nearest competitor, the Sophomores made a clean sweep victory in the class meet, which was held in the gym last night. And, although the list of entries was very small and the number of spectators considerably smaller, the performances were all of first class order and the races were all exciting and fast.

The features of the evening were the relay race and the fine performance of Captain Phil Dalrymple of the track team, when he broke the previous gymnasium record and nearly cleared the bar at six feet. The new record is 5 feet 11¼ inches, and is three inches more than the previous record. The relay race between the "cinders" and "clinkers" was won after a hard and close fight by the "cinders," captained by R. C. Thompson, 1913. The "clinkers" were ably led by Harvey Benson, 1912.

The first event on the program was the 40-yard dash, in which two heats and a final were run. In the first heat Barry, 1915, Wilson, 1914, and Oettinger, 1914, got on the mark, the latter being shut out, Barry easily winning. In the second heat Wilkins was the only Sophomore on the mark. Thompson and Strachan, both Juniors, were the other men, the latter again being the last man. The final heat was a fast one, and almost dead between Wilkins and Wilson, both Sophomores. Wilkins was the victor and earned his T. A. A. In the handicap meet last fall Wilkins just edged out ahead of Wilson, and showed tonight that he is a sprinter that cannot be fooled with. Barry took the third place from Thompson, and thus was the first Freshman to win his numerals in a track meet.

The dash was followed by the mile, which was one of the best races of the night. Shedd took the lead at the start and was never headed. Nye, the captain of the cross-country team, was Shedd's only worthy competitor, and it looked at one time as if he was going to pass him, but Shedd kept increasing his lead and at the finish was twenty yards ahead of Nye. The hardest fight was between Wall, a Freshman, and Lee, 1914. Lee got the lead at the start on Wall, but was pushed hard by the "youngster," who tried at almost every quarter to pass him, but could not get up speed enough. All the first four men finished in the same order as they started, that is Shedd, Nye and Lee, all Sophomores, and Wall.

Watching a high jumping contest is at its best not very exciting, but the one last evening held the attention of the few spectators very well indeed. Phil Dalrymple showed fine form and had no trouble in taping the bar at the record breaking distance before mentioned. Hall, 1914, is jumping in good form and took second easily; Teeson, a promising Freshman, won the third place, and Eberhard, 1914, was the last man.

Benson, who got the start at the shot in the quarter-mile, won it easily. Munch was the second man and held the place all through the race. The fight was between Thompson, 1913, and Guething, 1914, for third honors. Thompson held the lead easily for three laps, but Guething tried several times after this to pass him, but could not succeed in doing it.

Two preliminary heats were run in the hurdles, two men being picked from each. Huff, 1914, won the first heat from Strachan, 1913. Curtis and Thomas, both Freshmen, shared the honors of the second heat. In the heat for second men Strachan was shut out, but owing to the fact that only three men could run in the finals he was given the credit for the last point. In the first trial at the finals a false start was made by Curtis, who won the race before the starter had time to call them back, so the event was run over. In the re-run finals Huff was the victor after a close race, Curtis was second and Thomas was third.

The half-mile was a fast race, Bylund, the winner, taking the lead right from the start Nye fell into second place on the first lap and held this position, followed by Shedd and Spencer in those places until the end of the race. Spencer is a Freshman and ran a good race.

In the shot-put MacLead was again the winner. He put a fine throw on the first one, and it held for the greatest one of the meet. Crowell and Hadley, both members of the Freshmen football team, were the next two men. Freeman took last place for the Juniors.

The big hit of the evening was the relay race between the "cinders" and the "clinkers," the teams being composed of all the contestants that wanted to run. Thompson and Benson were the captains of the two teams and picked their men out one by one. The "clinkers" took the lead when Hadley jumped ahead of Freeman and started Benson off ahead of Guething. Guething gained slightly on him, however, and they started off their men even. Barry, who ran against Shedd, got ten yards on him soon after the start and held it all through the two laps that each man had to run. At this point the "cinders" were in the lead and were not headed again. Curtis, the next man to run, gained five yards on his opponent, Nye, and Hall gained as much on his man, thus giving the "cinders" a lead of twenty yards.

Spencer, who ran against the record breaker, Dalrymple, had no trouble in defeating the captain and started Wilson off with a good lead on Strachan. Strachan, however, gained slightly on him and thus gained the loss of Dalrymple. Thompson, the last man to run, had no trouble in retaining the lead over MacLeod and walked across the finish line, giving the victory to the record breaking team, the (Continued to Page 2.)

## SECOND GAME OF YEAR FOR BASKETBALL TEAM

### Game Tonight With New Hampshire State College at Durham.

This afternoon the basketball team will leave for Durham, N. H., where they will play the New Hampshire State College. This is the first game for the latter's team, and the Tech five hope to make it a defeat for them. The men will be handicapped to a certain extent owing to the fact that they will have to play on a very slippery floor, which is just the opposite to what they have been practicing on.

During the past week the team has been getting in some fast work in shooting and passing, and are well prepared to make up for the defeat which they received in New York. In Schar and Schatz they have two excellent men to cover the forward positions. Both are very quick on their feet and Schar has his eye on the basket when it comes to shooting fouls. Mowry is capable of handling anything that comes his way at center.

The team will leave the North Station at four o'clock this afternoon, and every fellow who can possibly do so should also make the trip, in order to help the team along. The following is the line-up for the game: Schar and Schatz, forwards; Freedman and McCarthy, backs; Mowry, center. Morse will also take the trip as a general utility man.

## TECHNOLOGY ALUMNAE.

### Hold Annual Lunch in Union To-day—Pres. Maclaurin Speaks.

The Women's Association of the Massachusetts Institute of Technology will hold its annual luncheon this noon in the Union. The Association is composed of Alumnae of the Institute.

President Maclaurin will be present and speak, and also Mrs. Mary Hinman Abel of Baltimore, author of "Home Economics." Mrs. Abel will represent the old Institute, as she was a close friend of the late Mrs. Richards, who was permanent President of the Organization until her death last Spring.

The Association will hold a business meeting at the close of the dinner for the purpose of electing officers. Miss Margaret E. Dodd, '92, will call the meeting to order, as she is Vice-President.

## RECEPTION TO CIVILS

This afternoon Professor and Mrs. Spofford will receive the members of the Senior Class in Course I at their home in Brookline. All the Civils who go to this reception are sure to have a good time as Professor Spofford has a good reputation as an entertainer.

## CALENDAR.

Saturday, January 6.

12.00—1915 Basketball Practice—Gym.  
4.00—Basketball Team—North Station.  
8.00—Basketball, M. I. T. vs. New Hampshire State, at Durham.  
8.00—Hockey—Princeton vs. Dartmouth—Arena.

# THE TECH

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SATURDAY, JAN. 6, 1912

IN CHARGE OF TUESDAY ISSUE.  
 EDITOR—Pastene, A. J., 1913.  
 Associates—Adams, B. E., 1915; Eisenberg, S., 1915; Smith, C. L., 1914.

THE TECH will not appear on Monday morning of next week, the issue being omitted on account of the close proximity of the Examinations. All the news will be in Tuesday's issue.

The poor showing at the Indoor meet is no doubt due to the close proximity of the semi-annual examinations; but there should have been at least a little interest in order to show the outside world that what is meant to be our leading form of athletics by those in power is really an important branch. It would appear as if it were running against the grain of the student body that they are obliged to support a track team as they are not enthusiastic enough to show that they really want it. They appear to be about ready to take up the reins themselves and have something to say about what is going on in athletics. Instead of the system of dictatorship which has long been in vogue. The system no doubt has its merits, yet the balance of opinion now seems to be on the other side. As stated yesterday, the basketball team is doing finely while standing on its own legs, and is in much better financial condition than last year or for some years past.

### MEETING POSTPONED.

#### Combined Meeting of Societies to Be Held Next Term.

The Combined Societies' meeting which was scheduled for last evening was postponed indefinitely. The Electrical and Civil Engineering Societies were to have Henry C. Long speak to them on the subject of the proposed Belt Line for Boston, a project in which he is very interested.

The meeting was postponed for two reasons—the proximity of the examination period, a thing which would deter many men from attending, and the indoor track meet, which would also draw on the audience. Mr. Long said he would prefer to reserve the lecture until a good attendance might be expected, and the subject is one of importance and interest. The plans now are to have the meeting early in the second term, possibly the first week.

### MEETING OF THE WIRELESS SOCIETY

#### Mr Ellis Gives Talk on Inductance and Explains Some of the Difficulties.

The monthly meeting of the Wireless Society was held last evening in 11 B and there were thirteen members present. After the secretary's report was read the business of the Society was taken up. Three new members were proposed for membership to the Society and were voted in. The chairman said that Dr. Pender had promised two weeks ago to put in direct current, and this is expected very soon. It was voted to elect a board of directors to obtain volunteers who would be willing to devote one afternoon to teaching some of the new members how to operate the apparatus. This would not only be good practice for the men themselves, but would be of great assistance to those who have not had the opportunity to send and receive messages.

After the business of the meeting was finished Mr. Ellis, who is a member of the Society, gave a very instructive talk on "Inductance." He showed by means of diagrams how the lines of force surround the wires and effects produced by changes of current on the lines of force. Inductance is the number of lines of force the wire is enclosed in when a unit current is passed through. If the current changes the lines of force also change. Mr. Ellis explained many points which were causing difficulty to some of the members, and an unanimous vote of thanks was tendered to him for his kindness.

At the close of this speech the chairman announced that shingles were ready at their room for those members who have paid their dues and who have not received them. A new key is to be substituted in the apparatus for the old one, which is almost useless on account of poor contacts. After the exams are over the members will be hard at work making an efficient apparatus.

### INDOOR MEET

(Continued from Page 1.)

#### "CINDERS."

The summary of points was as follows:

40-yard dash—First heat, Barry, 1915, first; Wilson, 1914, second. Second heat, Wilkins, 1914, first; Thompson, 1913, second. Final heat, Wilkins, first; Wilson, second; Barry, third; Thompson, fourth.

440-yard dash—Benson, 1912, first; Munch, 1913, second; Thompson, 1913, third; and Guething, 1914, fourth.

880-yard run—Bylund, 1913, first; Nye, 1914, second; Shedd, 1914, third; Spencer, 1915, fourth.

Mile run—Shedd, 1914, first; Nye, 1914, second; Lee, 1914, third; Wall, 1915, fourth.

L. 40-yard hurdles—Huff, 1914, first; Curtis, 1915, second; Thomas, 1915, third; Strachan, 1913, fourth.

High jump—Dalrymple, 1912, first, 5ft. 11¼in., new indoor record; Hall, 1914, second; Teeson, 1915, third; and Elberhard, 1914, fourth.

Shot-put—MacLeod, 1914, first, 36ft. 7½in.; Crowell, 1915, second; Hadley, 1915, third; Freeman, 1913, fourth.

Relay race, "Cinders" vs. "Clinkers"—Won by the "Cinders" (Freeman, Guething, Barry, Curtis, Hall, Spencer, Wilson, Thompson.) Time—2 minutes 31.5 seconds, new record for distance (1440 yards) for track.

The points for the class championship were as follows:

	1912	1913	1914	1915
40-yard dash.....	1	8	2	
Mile run.....		10	1	
High jump.....	5	4	2	
440-yard dash.....	5	1		
Hurdles.....	1	5	5	
880-yard run.....	5	5	1	
Shot-put.....	1	5	5	
Totals.....	10	13	38	16

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**BIG DANCE PLANNED BY CATHOLIC CLUB**

Poole's Orchestra Engaged for the Evening—List of Patronesses:

Complete arrangements have now been made for the annual dance to be held by the Tech Catholic Club. The committee have been very fortunate in being able to secure the ballroom of the Hotel Somerset for this big social event. Nothing has been left undone by those in charge in order to make it a bigger success than ever. To further this end they have secured Poole's Orchestra to furnish the music. The dance is to be held on Monday evening, February 5th. It is expected that every member of the Catholic Club will be present that night and help make a success of the dance.

The following ladies have consented to act as matrons: Mrs. John F. Fitzgerald, Mrs. Richard C. Maclaurin, Mrs. Augustine J. Daly, Mrs. M. M. Cunniff, Mrs. James M. Morrison. The list of patronesses includes Mrs. Mary J. Cotter, Mrs. Henry V. Cunningham, Mrs. T. J. Falvey, Mrs. W. T. Fitzgerald, Mrs. Richard T. Greene, Mrs. John J. MacGreenery, Mrs. John J. Kennedy, Mrs. M. J. Murphy, Mrs. James S. Murphy and Mrs. J. A. Walsh.

The ushers for the affair are: C. H. Harrington, 1912; F. A. Robinson, Jr., 1912; L. A. Hartnett, 1913; F. F. Mackentefe, 1913; E. A. Downey, 1913; T. Reilly, 1913; E. F. Coleman, 1912; J. W. Connolly, 1912; W. J. B. Buckley, 1912; R. J. Wiseman, 1912, and E. A. Schwartz.

Sydney Arnold Malcom of the Class of 1910, and graduate from the Course of Sanitary Engineering, died at the home of his parents in Somerville on January 3rd. He had been ill for some time although making a strong fight for health. The contribution published today from Professor Dwight Porter tells of his life.

Funeral services will be held Sunday at 2 o'clock, at 16 Highland avenue, Somerville.

**SYDNEY ARNOLD MALCOM.**

Sydney Arnold Malcom, who was graduated in June, 1910, in the course in Sanitary Engineering, prepared for the Institute at the English High School, in Boston, and in his Senior year he was president of the club representing former students of that school at the Institute. He had a great interest in the Tech Show, took a principal part in the performances of 1909 and 1910, and was the author of "That Pill Grim," the play given in the latter year. The play was partly based upon incidents that came under his observation while engaged upon engineering work on the Massachusetts Coast during the Summer vacation of 1909, and much of it was written in bed while convalescing from an illness.

In the late Summer following his graduation, it became evident that his health had become seriously impaired, and although the Winter of 1910-11 was spent at the Loomis Sanitarium in Delaware County, New York, he lost ground. Returning to his home last Spring, he improved for a time, but during the past few weeks has rapidly lost strength. He was widely known among the student body, and his kindly, cheerful spirit won for him a host of warm friends.

DWIGHT PORTER.

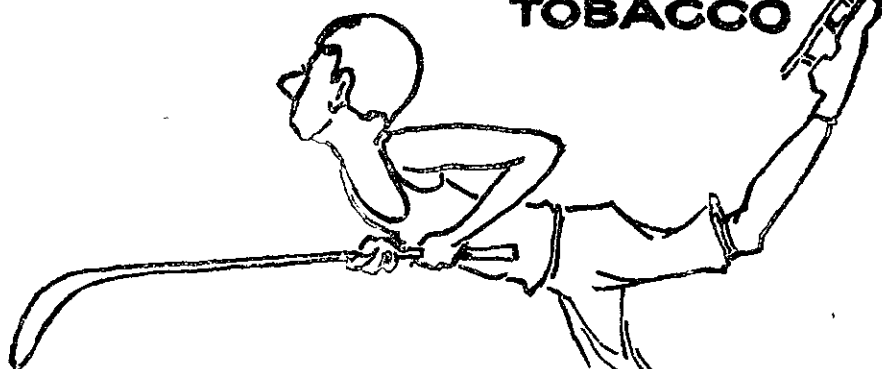
**TECH PROF. MARRIED.**

Miss Edith M. Taylor Becomes Bride of Dr. E. B. Spear.

On Saturday, December 23, 1911, Dr. (Continued to Page 4.)

**Velvet**

THE SMOOTHEST TOBACCO

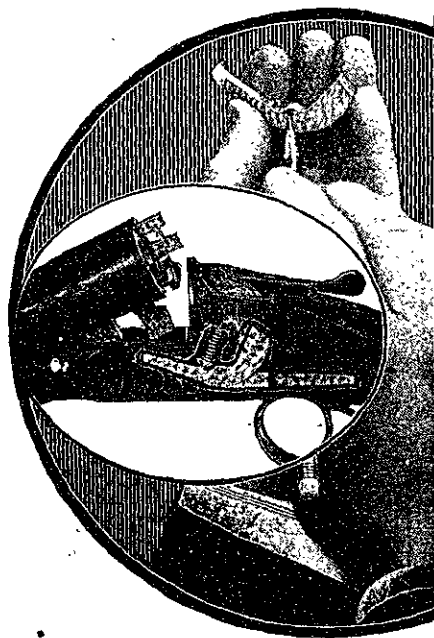


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**DR. SPEAR MARRIED**  
(Continued from Page 3.)  
Elwood B. Spear was married to Miss  
Edith M. Taylor, daughter of Profes-  
sor George M. Taylor. The marriage  
took place at the home of the bride  
in Cambridge, and the Rev. Samuel  
M. Crothers performed the ceremony.  
Dr. Spear is an Assistant Professor in  
Chemistry here and holds degrees  
from Canadian universities and from  
Heidelberg, Germany. The bride is  
the author of several books and has  
been a member of the English depart-  
ment of Wellesley College. She had  
previously taught at Bryn Mawr and  
is a graduate of Radcliffe.

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