

THE TECH

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BOSTON, MASS., SATURDAY, MARCH 16, 1912

PRICE TWO CENTS

TECH WRESTLING TEAM WINS FROM BROWN

Providence Team Loses Four Bouts Out of Five in Wrestling Meet.

The Technology wrestling team met Brown last night at the Lyman Gymnasium, and won easily with a score of 4 to 1. The Tech men were clearly the better wrestlers and won by short, decisive bouts, no repetitions being necessary. The bouts lasted from three to six minutes each, and it took that time for Rouse to gain the decision over H. Treat and make the only point for Brown. Rouse is probably the best wrestler on the Brown team, and this fight proved the feature of the meet. The bouts were as follows:

H. R. Crowell, '15, Tech, vs. E. Jones, Brown, met, and the match was awarded to Crowell. The time was two minutes, fifty-seven seconds. Jones was thrown by the Nelson waist hold.

The next bout was Smythe-Martin, '13, Tech, vs. R. B. Hilson, Brown. Smythe-Martin threw his man in four minutes despite a lame shoulder which handicapped him greatly. He used the front Nelson and bar lock.

Then J. E. Rouse, Brown, vs. H. W. Treat, '14, met. The decision was awarded to Rouse. The time was six minutes.

The next match was C. A. Blodgett, '15, vs. Hilson, Brown. It was won by Blodgett in six minutes.

A. H. Means, '12, Tech, vs. Collins, Brown, met for the final bout. After six minutes the match was awarded to Means.

A. S. M. E. MEETING.

Mechanicals Hear of Advances in Poppet Valve Design.

An unusually interesting discussion of the poppet safety valve was given last evening before the Boston branch of the A. S. M. E. by Professor E. F. Miller of the Institute and Mr. A. B. Carhart, superintendent of the Crosby Safety Valve and Steam Appliance Co. In spite of the bad weather, about forty men were present and the subject was discussed at some length after the papers had been read.

Professor Miller took up the tests made by him in the spring of 1910 at the Institute. A number of years ago, Mr. Darling of the Consolidated Co., aroused interest in the poppet safety valve by conducting tests to determine the discharge capacity of valves on both stationary boilers and locomotives. Later similar tests were made by Technology students in connection with their thesis. In every instance the discharge was determined by weighing the condensed steam and noting the amount of lift of the valve. (Continued on Page 2.)

TECHNIQUE ELECTIONS.

The election of David Lee Sutherland as Business Manager of Technique, 1914, was announced yesterday at the close of a 1914 Electoral Committee meeting. Mr. Sutherland came to the Institute from Williams.

At the next meeting of the Electoral Committee, on Monday, the members will vote for a treasurer. There have been eleven names submitted.

THE MASS MEETING A MONSTER TRIBUTE

Smith Given as Name of Donor of \$2,500,000 to the Institute.

The twelve hundred students gathered at the mass meeting in Huntington Hall yesterday were electrified by the President's announcement that he was about to divulge the name of the donor of the two and one-half millions to the Institute. "The first letter of his name is 'S,'" said the President, "and the last is 'H', and in my country they pronounce it 'Smith.'" Vociferous applause greeted the announcement.

H. E. Kebbon, president of the Snior class, opened the meeting by recounting of the anonymous donation to the Institute. He emphasized the extreme significance and importance of the gift. But, said Mr. Kebbon, the gift was the culmination of the wise and far-sighted effort of one man,—one who worked conscientiously and quietly. Therefore, he continued, it was altogether fitting that the Technology undergraduates recognize the tribute due to the man whose work made it possible for the school to receive this great and important recognition—President Maclaurin. The applause of the students was so continued and impelling that it cut short any further introduction and brought Dr. Maclaurin to his feet as speaker of the occasion.

Dr. Maclaurin first explained the reason why the convocations had been so few was that the speakers had always failed him at the last moment. This explanation was given, in effect, to make it known that no change of policy in regard to convocations was contemplated.

"The gift in whose celebration the mass meeting was held," said Dr. Maclaurin, "shows the broadness of the donor. The usual advancement and building of great universities is that of slow and tedious expansion. The buildings are erected piecemeal and the departments are erected in the same way. The result is not a perfect unit, architecturally at least. The anonymous benefactor shows his recognition of the immense practical advantage of a cohesive and direct building of an institution. The Institute offered him an unusual opportunity for turning his money into a positive and lasting educational good. The money is given so that the Institute may begin building whenever (Continued on Page 3.)

ART MUSEUM LECTURE.

Miss Mary S. Locke will speak at the Art Museum tomorrow afternoon at 2.15 P. M., on the History of Art as illustrated by the Collections of the Museum as a special addition for this week's service. The remainder of the program includes Assistant Professor Henry L. Seaver of the Institute, in a talk on European Pottery, at 3 o'clock, and Charles K. Bolton on the Eastern Mediterranean 2000 years ago, at 3.15 P. M.

These talks should be full of interest and have a great broadening value to all Institute men. There are many opportunities in the city for men to get a little culture; this is one of the best, and has the additional advantage of being close at hand.

HAMBURG WINS FIRST HONORS AT WHIST

Freshman Gets Banner at M. A. H. S. Club Social at Union.

Despite the rain, the Mechanic Arts High School Club last night held its second successful social meeting of the year in the Union. A short business meeting was first held, at which the program for the remainder of the year was announced. The future entertainments consist of two dinners in the Union; the first, to be held early in April, will be an informal supper, to which the Seniors at the High school will be invited to attend, and which will be addressed by Institute speakers; the second will be the annual banquet, to which will be invited Dr. Parmenter of the school, one other teacher and an outside speaker. This second dinner will be held in May.

The lighter business of the evening was then considered. A competitive whist party of five tables was made up, and A. W. Mack, '15, A. Hamburg, '15, and L. F. Quirk, '15, tied for first honors. Hamburg won the prize on a draw.

After refreshments P. W. Covitz, '14, read "Jed Brownin's Account of Rubinstein's Playing," a well-received descriptive piece. The Victrola was the next performer, its comic and operatic repertoire being displayed. M. M. Navison, '14, gave piano solos and accompanied the members in rag-time and Tech songs.

The meeting was late in breaking up, all men declaring that they had enjoyed themselves.

COACH FOR DANCING.

Miss Keller Joins Training Staff of Tech Show, 1912.

That Tech Show, 1912, is doing everything in its power to make this season an overwhelming success is evidenced by the splendid professional coaches which the managers have secured.

The stage department has, in addition to Mr. Sanger as coach, and Mr. Benevente as musical director, procured the services of Miss Keller, who is an experienced teacher of dancing and stage action. The cast and chorus are progressing rapidly under their able instruction. Sidney E. Clarke, '15, is playing the piano at rehearsals.

The publicity department is carrying on an advertising campaign in and about New York City preparatory to the production of "Castles in Spain," which will be given in the Hotel Astor.

The Show suggests that students who have friends in New York would help greatly by calling their friends' attention to the play.

Too bad the rain kept so many Mechanicals from the A. S. M. E. lecture.

The Hare and Hounds' men may need rubbers after this rain.

The second-year architects are having "capital" problems.

The Technique Electoral Committee is becoming a busy body.

HARE AND HOUND RUN AT NEEDHAM JUNCTION

Train Leaves Back Bay Station At 2.20 This Afternoon—Course Dry.

The cross-country men run at Needham today. The course over which they will probably take starts from the Needham gym and is laid for the most part along level roads. The lay of the land is such that the course is an exceptionally dry one. This and the lack of hills constitute the road characteristics of today's run. Brett, '14, will be one of the hares. The other will be a man who knows the country fairly well and will be picked from among those present. The train leaves the Back Bay Station at 2.20 P. M. The men will leave the train at Needham Junction.

These suburban runs are considered most essential for the development of those who are doing cross-country work. On last week's run there were a good number of Freshmen present, but those who are interested in the lower class's chances in the coming meet with the Sophomores hope to see a larger number out on today's run and those succeeding. There were not many Sophomores on this run. So few reported that Coach Kanaly remarked upon it in his talk to the men at the finish. He believes that the Sophomores are hurting their chances for the best possible showing on the day of 14-15 race quite considerably by their non-attendance at these Saturday runs.

GLEE CLUB TO SING.

This evening the Glee Club is to sing at the dancing party held in Landon's Gymnasium on St. Botolph street. These parties are held every week and are called All-College Dancing Parties. Each Saturday night a different college is featured. Tonight is Tech Night, and the Glee Club Quartet will give a concert.

Indications point to a most unusual and interesting 1913 Technique.

The Freshman contingent of Tech Show seem to enjoy the omission of gym.

The suppers at the Union are becoming better and better.

Who will be the "Sherlock Holmes" to discover the identity of the mysterious Mr. Smith?

To see men sitting on Rogers steps in large numbers is a sure sign that Spring has come.

Two hundred thousand valves manufactured and the first one just returned for repairs. Some durable construction!

"Panhandlers" are springing up everywhere of late and many a fellow has been "touched" by those knights of the road.

Here is hoping that the broken peanut machine will be substituted by a new one in the near future.

Four wagons a day stuck in six inches of mud on the corner of Trinity place and St. James avenue ought to give the tug-of-war men a chance for some practice.

THE TECH

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SATURDAY, MARCH 16, 1912

IN CHARGE OF ISSUES.

Monday Editor—M. Paris, 1914.
 Assistants—E. W. Mann, 1914; S. Berkowitz, 1915.

AMERICAN CHARACTERISTICS.

The point brought out by President Maclaurin during his speech at the Convocation yesterday afternoon is of tremendous significance. He said that if a young person were asked the main characteristic of the American people his answer would undoubtedly be "the interminable chase after dollars." The foolishness of an answer to this effect has been happily proven in the last few days by the magnificent gift to our school.

Here was a man, not even a graduate of the school, or a resident of Massachusetts, who, by his unselfishness, and without any desire for advertisement, had done a great deal which made his name worthy to be written in the eternal book of great men. This one example of magnanimity will play a large part in correcting the outside world's impression of Americans and their ideals.

There were many pleasing factors of yesterday's Convocation; the grand way in which the men responded to the call, their tremendous enthusiasm and gratitude to our benefactor, must have appealed to the older men who were present and shown them that Technology men are still proud of their school, and always glad to hear of its success.

That the Convocation will have a great effect on the men we have no doubt, and by yesterday's showing we have good reason to believe that Technology students have that true American characteristic of striving after high ideals rather than dollars and cents.

THE TECHNOLOGY GLEE

Club Quartet will sing Saturday on TECH NIGHT at Champagne's All-College Dancing Parties, held from 8-11 o'clock in Lundin's Gymnasium, 42-44 St. Botolph Street. These dances are exclusively for the students of Greater Boston and will be carefully chaperoned by members of the various college Faculties. Subscription: 50c for gentlemen and 25c for ladies. Refreshments and Full Orchestra.

ALL-TECHNOLOGY BANQUET ARRANGED

Institute Committee Sets Next Thursday for Date of Big Dinner.

Plans for the All-Technology banquet have been completed. The Institute Committee has arranged the dinner for Thursday evening, March 21, at 6.30 o'clock, in the Union dining room.

The gathering will be in celebration of the highly gratifying gift that has recently been given to the Institute. The roster of after-dinner speeches will undoubtedly prove of extraordinary value and interest to all Tech men and the menu which has been arranged is very attractive.

President Maclaurin, who has promised to be present, will tell of the developments which led up to the reception of the recent donation of \$2,500,000 to the Institute. An effort is being made to secure Mr. John R. Freeman, '76, who has promised to devote several months of his time this summer to aid in the formation of the plans of the new buildings across the river, to speak at the banquet.

The presidents of each of the undergraduate classes will be called upon to make short addresses, and men otherwise prominent in Technology life will say something relative to the latest developments in Institute affairs.

The dinner will cost seventy-five cents a plate and the committee expects the 325 places which the Union dining room affords to be filled.

POPPET VALVES.

(Continued from Page 1, Col. 1.)

which varied greatly during the process of blowing off. In order to weigh the condensed steam it was necessary to use a surface condenser and as the Institute had the only plant of sufficient capacity in the state, the Crosby Co. went to the expense of making the changes in the powerhouse needed to carry out still more accurate tests. As it was, the plant was taxed to its limit; at times 12,000 pounds of steam were condensed per hour, and precautions had to be taken in case the circulating water should give out. It was found that the discharge of flat seated valves was about 50 per cent greater than that of bevel seated valves and that by slightly rounding the edges of the flat seats, the discharge could be increased 15 per cent.

Mr. Carhart then discussed the construction and operation of the valves. He said that his company had been manufacturing the more efficient flat-seated type for over thirty years, and had intended to keep the results of Professor Miller's tests secret, but as the principles involved applied to other phases of steam engineering, they were now making them public. He emphasized the importance of absolute reliability of the valve under all conditions. The valves must keep tight even after long neglect, such as farm traction engines are subject to during the winter months. The Crosby Company have shipped 225,000, and only a short time ago one of their oldest valves were returned for repair. Most of these are in operation on locomotives, where they blow off every half hour and receive a great deal of rough usage. He also mentioned the most important points to be considered in their manufacture.

Both Professor Miller and Mr. Carhart brought out the fact that these tests were on only one type of valve, and being merely comparative, do not give the actual amount of discharge. For this reason they could not be compared with former tests conducted for a different purpose and under entirely different conditions. Both men are very interesting speakers and deserved a much larger audience.

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THE CONDUCTIVITY OF ELECTROLYTES

Prof. Goodwin Explains Factors
Which Determine Conduc-
tivity in Solutions.

Yesterday afternoon Prof. Goodwin gave the second lecture on Electrolysis. In performing two experiments that he did not have time to make at last Friday's lecture he proved that electrolytes follow Ohm's Law and exhibit heating effects in exactly the same manner and to the same degree that metallic conductors do.

He then described one of the great differences between the behavior of electrolytes and metallic conductors under the passage of the electric current. The former move bodily under these conditions, while the latter do not. The fact that this motion is with the positive current for the positive ions and against it for negative ions was shown in the lantern by the electrolysis of a copper bichromate solution. This experiment also showed that the velocity of this motion varied with the kind, the copper being quite a bit slower than the bichromate ions.

Professor Miller gave a table of the velocities of the various ions. This table showed that the hydrogen ion is much faster than any other, the hydroxyl coming next in the table with about half the speed. He showed by experiment that these velocities are one of the three factors which determine the electrical conductivity of a solution. The second factor is the number of ions per unit volume, or the percentage to which an electrolyte is ionized. The third factor, which follows from Faraday's Law, is the number of electrical charges carried by each ion.

Professor Goodwin announced that his next talk would be on the Electro-chemical Series.

MASS MEETING.

(Continued from Page 1, Col. 2.)
it is ready." At this point the President gave out the name of Smith as the benefactor.

This extraordinary gift brings with it that public and national recognition which it so richly deserves. But for this recognition the Institute has labored for fifty years. "But now," said the President, "it is coming into its own."

Dr. Maclaurin quoted Emerson in saying that every institution is the lengthened shadow of a man. The Institute we know today, said the speaker, is the lengthened shadow of Rogers, its founder. The Institute that will be located across the Charles will be the lengthened shadow of this man Smith, the giver of this large amount of money.

Mr. Kebbon then announced the completion of the plans for the All-Technology banquet to be held in the Union. This banquet is to be a true undergraduate affair, the non-students who will attend being men who will tell the students about the developments toward the vital change in the life of the Institute.

ON SUNDAY, March 17, at 8 A. M., the regular corporate communion, Brotherhood of St. Andrew, will be held. All Episcopalians are cordially invited to attend.

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