

THE TECH

VOL. XXX. NO. 71

BOSTON, MASS., THURSDAY, JANUARY 5, 1911

PRICE TWO CENTS

SECOND BASKETBALL TEAM WINS HARD GAME

Tech Five Defeats All-Stars By
Narrow Margin Before
Large Crowd.

SCORE: 26 TO 24.

Morey Stars For Tech and Bishop
Does Best Work For
Melrose.

Technology's Second basketball team defeated the All-Star five of Melrose at the latter place last night in a hard-fought game by a score of 26 to 24. Both teams played well and the winner was in doubt until the very end. At the close of the first half the score was 18 to 16 in favor of the Melrose aggregation, but the Tech team came back strong in the second half and soon tied the score. The advantage then wavered between the opposing fives until the end.

Morey did the best work for the Tech team, while Bishop's work stood out prominently for Melrose. The crowd was a large and enthusiastic one and was impartial in its encouragement.

The lineup:

Tech Seconds—26. Melrose—24.
Stone, Kendrick, l. f. l. f., Bishop
Price, Sampson r. f.

r. f., Smith (Capt.)
Morey, c. c., Folwell, Winship
Muther (Capt.) r. g.

r. g., McLetchie, Davis
Metcalfe, l. g. l. g., Locke
Score—Technology, 26; Melrose, 24.
Time—Two 20-minute halves.

GLEE CLUB SINGS FOR BROWN SORORITY

Kappa Alpha Thetas Entertained
By Tech Musical Club —
Dance.

Last night the Glee Club, Vocal Quartette and Reader gave an entertainment before the Kappa Alpha Theta Sorority of Brown University, in the Churchill House, Providence. The program was as follows:

1. "Sweetheart, Sigh No More,"
Glee Club.
2. "Wanted—A Wife,"
Vocal Quartette.
3. Reading,
Harry Briggs.
4. Solo (Selected),
A. O. Wilson, 1911.
5. "The Old Person of Ware,"
Glee Club.
6. Reading,
Harry Briggs.
7. "Absent,"
Vocal Quartette.
8. Solo (Selected),
H. R. Fox, 1912.
9. "Dear Old M. I. T."
Glee Club.

The audience was a critical and warmly appreciative one, and the numbers were well applauded. After the entertainment a dance was held.

TECHNOLOGY CLUB OF FAR EAST.

The latest society of Tech men to be formed is the Technology Club of the Far East. This club was organized in the Philippines by Claude O. Brown, 1908, assistant engineer, irrigation division, Bureau of Public Works; John H. Caton, 1908; Francisco D. Reyes, 1908; Herbert S. Walker, 1902; F. L. H. Kimball, 1889; Arthur C. Nichols, 1908; William A. Adams, 1908, and William B. Poland, 1890. Mr. Poland was elected president, and Mr. Adams secretary.

EFFICIENCY IS KEY NOTE OF EVENING AT ANNUAL BANQUET OF TECH ALUMNI.

Hotel Somerset Crowded with Graduates of Institute
President Maclaurin one of the Speakers
of the Evening.

"Efficiency"—the keynote of the evening at the annual banquet of the Technology Alumni Association which was held last night at Hotel Somerset—was well exemplified by the manner in which the committee in charge had done its work. Four hundred graduates of the Institute formed one of the most enthusiastic assemblages that the Somerset has ever entertained. There was much music and mirth, and many stories of former days at the Institute went the rounds.

The reception lasted from 6.15 to 6.45, and then dinner was served. After this the talks of the evening were given.

Retiring President A. F. Bemis, 1893, was toastmaster, and he first introduced Mr. J. L. Batchelder, 1890, who spoke of the development of athletics at the Institute, recalling the time when the athletic field used by Tech men was an ordinary horse racing track. Mr. Batchelder said that this change was brought about largely through the effort of Major F. H. Briggs, 1881, and he then presented to Major Briggs a gold watch on behalf of the Alumni Association. Major Briggs replied very feelingly and stated that all Tech men should be interested in athletics.

President Bemis was presented with a large bunch of beautiful red roses by (his) class of 1893. These he presented to Mrs. Rogers, saying that he was sure that the class would be satisfied with his action.

Attention was then called to the topic of the evening—"Efficiency." "All the world today is interested in efficiency—that power of making the most from the least," declared the toastmaster. He then introduced Mr. Jasper Whiting, 1889.

Mr. Whiting, speaking upon the general topic of Efficiency, took for his special subject "The Relationship which exists between the Institute of Technology and the State of Massachusetts."

"The Institute of Technology owes much to Massachusetts. The State gave it its first name, supplied the land for the first group of buildings, and has contributed from time to time money for its support.

"On the other hand, the State of Massachusetts owes much to Technology. The reputation of the Institute had added to the prestige of the State. Directly and indirectly Technology has educated her citizens, built her roads and bridges, operated her railroads and factories, developed her waterways, watched over the public health and furnished teachers for her industrial schools.

"Out of nearly 10,000 Alumni of the Institute, about one-third reside within the borders of this State. These men have all helped to carry forward the prestige of Massachusetts, and yet of all the States in the Union there are but four which contribute less in proportion to their wealth than does this State.

"The high cost of living has affected such institutions as the Institute fully as much as it has the private family, and for this reason Technology has a very urgent need of an annual State grant.

"Next year, without State aid, the deficit will be practically \$100,000. For this reason the State is asked to con-

tribute this sum to the Institute.

"The Alumni Association does not intend to attempt lobbying a bill for this appropriation through the Legislature, but instead intends showing the individual members how this State aid would increase the efficiency of Technology and thus benefit the State.

"Each member of the Alumni Association is urged to either see or write their senator or representative and ask them to support the bill which will be introduced during the coming session of the Legislature.

"By thus supporting their Alma Mater the Alumni will not only render her a great service, but will also render to the State of Massachusetts an equal service."

Mr. George W. Perkins of New York was the next speaker introduced. Mr. Perkins is a member of the firm of J. P. Morgan and interested in many of the leading corporations. In introducing him Mr. Bemis called him "a true business scientist."

The substance of Mr. Perkins' remarks was that to get real efficiency we must have co-operation rather than competition.

In order to successfully carry on any business we must have rapid means of communication. It might very truly be said that electricity has emancipated the mind from the body.

The one great industrial question of the day is as regards the proper division of profits between labor and capital. One solution for this, and a very good one, is the extra compensation and profit sharing plan, but the most satisfactory manner of carrying this on is to invest the extra compensation directly into the business, thus causing the workmen to feel that they are in truth interested in the welfare of the business or corporation.

Competition is really an example of "Robbing Peter to pay Paul," and while at times it may cause lower prices, it has the effect of causing prices to fluctuate.

A long Tech cheer was given for President Maclaurin before he—as next speaker—began his talk. "The Institute stands for efficiency," said Dr. Maclaurin. The essentials of this quality are based upon investigations of facts, and that is what is done at Technology. The Institute is a mother of similar institutions all over the Union. It has long been hampered by its cramped position. "But," stated the speaker, "there is ground for hope that these are the last words we shall ever hear from Presidents of the Institute as regards a site.

"The great campaign that is now being waged for greater State assistance must be one of education. One of the most essential things is to deny that the Institute is on the verge of a collapse. Such an institution cannot fall. The only serious weakness is on its financial side. It needs more capital because of the high cost of living. Massachusetts has no great natural advantages, nor resources, and must keep in the front rank of States by exercise of superior intelligence." Another great cheer was given with great enthusiasm.

Mr. F. K. Taylor, "Efficiency Engineer" of Philadelphia, then spoke of methods of getting the best results from the materials at hand; and Mr. L. K. Rourke, 1895, followed with a

(Continued on Page 3.)

SERIOUS ACCIDENT IN CHEMISTRY LAB.

Acetone Becomes Ignited and
Burns Assistant — Others
Hurt.

FIRE QUICKLY EXTINGUISHED.

Apparatus Works Well — Within
Three Minutes Danger
Was Over.

Raymond E. Drake, 1908, who is doing research work in the laboratory of Industrial Chemistry, was painfully burned while conducting an experiment yesterday, and Professor W. H. Walker also received some burns on his hands while trying to extinguish the flames.

Some acetone was being distilled and the reaction became a little too brisk, though there was no fire in the furnace. Some of the vapors wandered to the hot oven and were ignited. The flame flashed back to the still and ignited the acetone at the end of the still. When this happened Mr. Drake was burned. Professor Walker and Mr. Charles Almy rushed to the rescue and extinguished the flames on Mr. Drake's body.

Attention was then turned to putting out the fire that was fiercely burning in the laboratory. The fire apparatus at hand worked admirably, and within three minutes the flames were all put out.

Mr. Drake was taken to the Massachusetts General Hospital, where his wounds were attended to. They are very painful but not fatal.

REINFORCED CONCRETE BRIDGE CONSTRUCTION

Civil Engineers to Hear Lecture
On Interesting Type of
Structure.

The final meeting of the Civil Engineering Society for the term will be held this afternoon in 6 Lowell, at 4 o'clock. The program committee has been very fortunate in securing a very interesting speaker, and one of the best meetings of the year is promised.

The speaker, Mr. W. M. Denman, is a well-known expert on reinforced concrete, and he has had a wide experience as a construction and consulting engineer. His subject for this meeting is "Reinforced Concrete Bridges." He will present the same paper which was recently given at the annual meeting of the Association of American Portland Cement Manufacturers. The talk will be illustrated by many slides.

As this type of construction is of increasing interest to civil and sanitary engineers, a large attendance is expected. Members of other engineering societies are cordially invited to be present.

CALENDAR.

Thursday, January 5.

- 1.30—House Committee Meeting—Cage, Union.
- 4.00—Mandolin Club Practice—Union.
- 4.15—Technique Board Meeting—Union.
- 4.15—1914 Indoor Track Team—Gym.
- 4.15—Varsity Track Team—Gym.
- 4.15—C. E. Society Meeting—6 Lowell.

THE TECH

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THURSDAY, JANUARY 5, 1911.

Fourteen years ago today was marked by the termination of one of the most useful and inspiring careers ever connected with the Institute, Francis Amasa Walker, soldier, economist and statistician, was President of the Institute at the time of his death, and his ability and devotion was largely responsible for the Institute as it is today.

President Walker was a truly wonderful man with an extremely wide and varied career of usefulness. A short biography of General Walker may be found in Technique, 1897, a copy of which is to be found in the Tech Union. This copy may be borrowed upon application at the Cage, and everyone should avail himself of the opportunity to become familiar with the life and with the influence of President Walker.

Space is here too limited for more than a brief and inadequate summary of the main points of his life.

Graduating from Amherst College in 1855, he entered a law office, but feeling the call of the war of the rebellion, he enlisted on the Union side as sergeant-major in the Fifth Regiment of Massachusetts Volunteers. His coolness and courage in battle aroused universal admiration and received commendation from General Crouch and President Lincoln. General Hancock said of him: "Colonel Walker is the best adjutant-general that I ever knew." At one time Walker, while acting as spy, rode into the enemy's lines and was captured. He escaped only to be recaptured after suffering terrible hardships in the swamp country. He received the brevets of colonel and brigadier-general for "gallant and meritorious services."

In 1865 he became instructor in Greek and Latin in Williston Seminary. Three years later he took up editorial work on the Springfield Republican, and in 1869 was appointed Chief of the Bureau of Statistics in Washington. He superintended the Tenth U. S. Census, undertook the chairmanship of Indian Affairs, and in 1873 was called to a Professorship of Political Economy and History at the

Sheffield Scientific School at Yale. He left this position in 1881 to become President of the Institute.

During the sixteen years of General Walker's administration the history of his life was the history of Technology. Through his efforts the size of the school was quadrupled and the number of buildings increased from one to five. The scope of the training here was considerably broadened and a number of new courses, including Electrical and Chemical Engineering, were added. During his presidency he also acted as member of a number of State and city commissions. General Walker was the author of a number of books of history, biology and political economy, and was considered one of the highest authorities in this last subject.

But, to quote one of the many admirers of President Walker: "It was not President Walker, the economist, or General Walker, the soldier, or Professor Walker, the statistician, whom the students of the Institute knew and loved, and whom they greeted with cheers whenever he appeared upon the platform of Huntington Hall. It was his strong and perfect character that exercised such a magnetic power over all of us who came under his influence. We caught the contagion of his tireless energy and love for honest work. We were touched by his enthusiasm, his vigor, his marvelous dash and fire. We felt the genial influence of his courtesy. We wondered at his modesty. None of us ever came from a five-minute conversation with him without feeling more hopeful, more full of courage and resolve, for his optimism, his strong confidence, his faith in human nature."

IN THE LIMELIGHT.

The hockey team leaves tomorrow for its first trip. R. P. I. and Loudon Country Club, at Albany, will be played.

Those who didn't write lyrics for the Tech Show can whistle for it—write music.

Technique needs a good Freshman history. Perhaps some whole-souled Soph is in a better position to write one—they've seen things from the top.

All eyes are on the indoor meet at the Gym Friday night. Can you pick the winning class?

Coach Kanaly has sprung a new scheme on his track managers. From now on they are to do the starting, assignment work, etc. He will now be coach in fact as well as name, and will not have to also act as trainer.

Here's hoping that the Freshmen do well as chorus girls in the Show. The athletic captains and managers seem to feel, from the performances to date, that the Freshmen will make better women than athletes.

"Kid" Chamberlain is working on the weights again. He is well backed by Metcalf, MacLeod and Owen—a delegation of considerable Intercollegiate possibilities.

Ninety lyrics received for Tech Show, 1911—a new record.

Palmer, the star forward on the basketball team, has returned from Christmas. He will play some against Dartmouth.

The Freshmen made a great showing against the 'Varsity at the Gym yesterday. We guess that the Sophomores are counting on winning that basketball series in a "dream." Perhaps there are going to be Show girls also.

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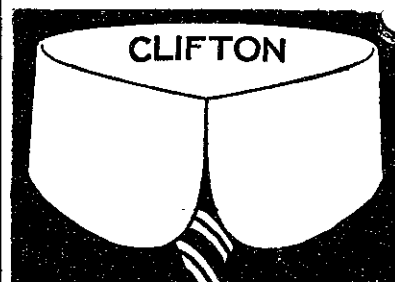
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**MUCH EXCITEMENT
IN BIOLOGICAL CAMP**

**Election of Officers and Other
Things Make Political
Pot Boil.**

The approaching meeting of the Biological Society is causing nearly as much excitement as the re-election of Senator Lodge, or the attempt of Lomasney to obtain the speakership of the House. Rumors are rife of bribery and graft, and the friends of conservation of natural resources and others wishing to get their share of the plunder are working most earnestly.

The occasion of all this turmoil is the semi-annual meeting for the election of officers of the Biological Society. The Babbit-Myers-Powell combination is determined to have H. P. Ireland re-elected to the presidency. Because of his modesty he has hitherto declined re-election, but since he has become convinced that it is for the good of the party he will bow to the will of the majority. Powell has been proposed for the office, but it is not believed that he will stand any chance against the machine candidate. As a possible dark horse W. H. Coburn has been suggested. For the office of secretary-treasurer and assistant secretary-treasurer no candidates have been proposed, but it is expected that Wards V or VII will make a strong fight for one or both of the positions. The Ward XI bosses will probably put forward W. H. Coburn for secretary-treasurer.

An amendment to the constitution is to be acted upon, having for its object the changing of the method of sending out notices of meetings.

The action of the insurgent members from Ward XI is causing great excitement. As they have a majority membership in the society, they are attempting to put aside the present name of the club and to adopt a new one which shall be more nearly representative of their interests. The members from Wards V and VII are fighting to the last ditch for the retention of the present name, and hope, by the aid of the standpatters from Ward XI, to defeat the insurgents.

The final scene in this political drama will be enacted on Friday afternoon, January 6, at 4 o'clock, in Room 28, Pierce Building.

(Continued from Page 1.)

talk on the efficiency of the work on the Panama Canal and in the Boston street department, of which he is now in charge. The absence of graft was particularly dwelt upon.

The meeting was a glowing tribute of the sons of Technology to their Alma Mater, which strives to train men liberally to be leaders in engineering, architecture and science, and to give to them the will and the power to serve the State by the scientific method and with the scientific spirit.

An International Club was recently formed at the University of California, which is to become one of the Intercollegiate Association of Cosmopolitan Clubs.

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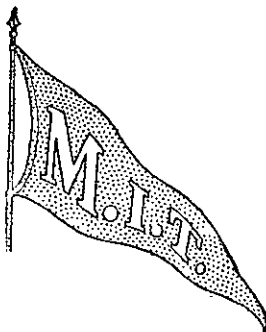
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First Year—Choice of Course.

Circulars in regard to the Choice of Course were sent to all first year students with the report of standing for the second five weeks. Cards will be distributed among first year students at some Chemistry exercise, and they are to be returned with a provisional Choice of Course indicated on them. This choice is not binding, but students are earnestly asked to consult with their parents and their instructors at once in order that this provisional choice may be made within the next two weeks.
WALTER HUMPHREYS,
Registrar.

NOTICE.
The Tech will pay five cents for copies of each of the following issues of last year: Nos. 53, 121, 137.

NOTICE.
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TECH SHOW, 1911.
The lyric competition for Tech Show, 1911, closes at 4 P. M., January 4. Leave lyrics at the Cage for E. H. Schell, stage manager.

1913.
All those who have not received 1913 Electoral Ballots may get them at the Cage. Ballots due Saturday, January 7. (71-1t)

NOTICE.
Gentlemen, I call to your attention that I will pay more for your cast-off clothing than any one in my line of business. A trial will convince you. Send postal to Max Keezer, 3 Bow street, or telephone Cambridge, Mass., 302. (1f)

NOTICE.
First Year—Conferences in Regard to Choice of Course.
Course I and XI, Professor Spofford, will meet students on Thursday, January 5th, at 1.15 P. M., in Room 49, Engineering A.
Course II, Professor Lanza, will meet students on Wednesday, January 4th, from 1 to 2 P. M., in Room 11, Engineering B.
Course VI, Professor Jackson, will meet students on Monday, January 9th, from 1 to 2 P. M., in Room 6, Lowell Building.
Course XIII, Professor Peabody, will meet students on Tuesday, January 10th, from 1 to 2 P. M., in Room 32, Engineering C.
ALFRED E. BURTON, Dean.
January 2, 1911.


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The problem assigned on Monday has been neostyled and may be obtained by applying at Room 5, Lowell.
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Sat. Mat., Jan. 7, 1911, at 2 p. m.
Madama Butterfly
Sat. Eve., Jan. 7, 1911, at 8 p. m.
La Traviata
Sat. Eve., POPULAR PRICES 50c. and \$1.00
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