

THE TECH

VOL. XXX. NO. 82

BOSTON, MASS., MONDAY, FEBRUARY 13, 1911

PRICE TWO CENTS

BASKET BALL TEAM LOSES TO BROWN

Both Teams Show Wonderful Improvement In Form Since Boston Game

SCORE:—21—17

Close And Exceedingly Fast Contest Decided In Last Three Minutes Of Play

In the Lyman Gym. at Providence, Saturday night, the Institute Basket Ball Team met defeat by Brown with a score of 21—17. The game was fast and close and kept the immense crowd of spectators full of enthusiasm throughout. Both teams have improved a very great deal since the game in the Gym. on January 14th. Brown has gained an eye for the basket which makes it dangerous to give them a shot from any part of the floor, while the Varsity have gotten their team play down to a science. The new defensive formation which they have just perfected is absolutely certain to break up a passing game for a shot right under the basket. Time after time the four men in a straight line across the floor broke up Brown's playing and rushed the ball down the floor for a score.

The game opened by the Varsity using one of their plays to feed Parker the ball for the first basket. In a very few minutes he had tallied again and then McKay caged a free on one of Palmer's goals. Tech kept the ball nearly all the time and scored wholly as the result of their machine-like passing, never trying to imitate Brown's long shooting. The score at the end of this half, stood 12—7 in favor of Technology and the Brown stands gave a long hearty cheer for Tech as the teams left the floor.

The second period started Brown on the road to victory, with a pretty basket by Sullivan. It was very close, hard-fought basket ball with only a slight advantage on Brown's part until the last three minutes when with a tie score, a bit of rough-house and an adverse decision gave Brown the lead and the game for the referee allowed the basket and the game was over a victory for the University by four points.

Parker and Palmer scored for Tech but the team played together as a whole with no stars at all; Freedman brought the crowd to their feet by a very pretty basket on the very first pass after he went. McKay and Sullivan played well for Brown while the work of Mc Adams was worthy of notice.

The line up:—

TECH—17

Palmer
Schar
Parker
Darling
Crocker
Freedman

Brown—21

Snell
McKay
Schulze
Vonderlith
Sullivan
McLyman
Winslow

Referee—McAdams, Brown; Timer, Burgess, Brown; Scorer—Hurlin, Brown Time 20 minutes halves.

Bible Study at Penn enrolls 625 in its list.

The junior class at Columbia has negotiated a loan of \$100 from a merchant to help defray temporarily the expenses of the junior promenade.

MEN CHOOSE PARTS FOR "FRENZIED FRENCH"

150 Men Report at First Try-out, And Show Much Enthusiasm.

CHARACTERS DESCRIBED

Candidates For Cast Given Parts to Practice—Rehearsal Hours Assigned.

Saturday afternoon at two o'clock 150 men gathered in the Union dining room to pick their favorite parts in Tech Show 1911. General manager, I. W. Wilson opened the proceedings by a little talk on the duty of the individual in the Show and laid emphasis on the fact that the whole Show could never be a success unless each of its smallest units did his best.

Stage manager, E. H. Schell then took charge of affairs, beginning with a talk on the new coach, Eugene Sanger, his former achievements and methods of procedure. Less time is to be given to rehearsals this year and more time to preparation for them.

Mr. Sanger was unable to be present at this preliminary trial but he will concentrate his efforts on the sorting out of men who have already been told what is expected of them.

Mr. Schell, after a few remarks on the Show in general, took up each of the characters separately, giving a description of each and what is expected of the man playing the part. After each principal had received his or her share of attention in this manner, aspirants to the cast picked their choice and passing in their names, received a bit of monologue from "Frenzied French" to practice on. Those who are trying for the parts of Dick Wells, Bruce Carter, Phil Van Veen and Harry Havens are to report to Mr. Schell in the Union dining room at 4:00 P. M. Those who aspire to the rolls of Bill Boltwood, A. Wat., Francisco or Mr. G. B. Howe will go to the same place on February 17 at 4:00 P. M. The feminine aggregation, Ethel Wells, Dolly Carter, Helen Harding, Marjorie March and Louise Longwood are appointed to meet their fate on February 21, at four o'clock, also in the Union dining rooms. Trials for the chorus will be held on February twenty three.

Although the men were, at first, bashful about coming to the front, they soon overcome this and were cheered on by their comrades. The following men reported and men given assignments to work on:

G. M. Ireland, 1914; G. A. Curtin, 1913; C. P. Kerr, 1914; F. Whittier, 1914; D. H. Van Deusen, 1913; V. C. Hersom, 1913; P. H. Taylor, 1914; H. H. Griffin, 1912; A. W. Carpenter, 1913; N. Duffett, 1911; N. S. Salibi, 1913; E. Menderson, 1913; G. H. Robb, 1913; F. W. Harris, 1914; C. W. Brown, 1913; I. G. Russell, 1913; J. M. Hargrave, 1912; B. C. Cromwell, 1913; J. H. Stone, 1914; R. Campbell, 1914; J. Isaacs, 1914; A. L. Higgins, 1913; M. R. Pevear, 1911; F. H. Achord, 1913; D. E. Van Volkenburgh, 1914; N. W. D. Worthington, 1912; E. G. Brown, 1912; A. S. True, 1914; G. M. Rollason, 1912; R. D. Brown, 1914; R. C. Doremus, 1914; L. C. Perkins, 1913; H. B. Lawlor, 1912; L. T. Graham, 1914; W. J. Hauser, 1914; R. H. North, 1913; M. F. Hall, 1913; R. W. Moorhouse, 1914; C. B. Hull, 1914; F. P. Karns, 1914; H. M. Wyld, 1914; C. H. Carpenter, 1912; J. A. Judge, 1914; H. A. Morrison, 1914; H. D. Kemp, 1912; J. W. Hastings, 1912; S. Knight, 1913; M. C. Kenney, 1911; W. A. Gentner, 1913; C. K. Reiman, 1912; C. H. Ober, 1914; F. C. Atwood, 1914; H. O. Glidden, 1913; F. H. Smythe, 1914; J. L. Howland, 1912; W. deY. Katzluberger, 1913; A. C. Dorance, 1914; E. W. Huckins, 1914; G. Starr, 1913; D. G. Crowell, 1914; J. B. Chadwick, 1913; R. N. Doble, 1912; G. W. White, 1914; W. R. Mattson, 1911

(Continued on page 3)

UNION REPORT SHOWS SURPLUS

In Last Two Month's Dining Room Has Made \$72.65 Profit

ALSO LARGE CIGAR PROFIT

Total Profit to Date with Repair Expense Is \$194.06.

The report of Mr. Scharff, the President's Assistant, for the expenses and receipts at the Union for the past two months is printed below. It shows a good state of finances.

During the period December 4th to February 4th, the Dining Room has been open with the exception of December 25th—31st (the Christmas vacation), and January 26th and 27th (between terms); the remainder of the Union has been open with the exception of December 25th and 26th. The profit on the Dining Room during this period has been \$72.65 distributed as follows:

Week ending respectively,	Profit	Loss,
Dec. 10.....	\$44.32	
" 17.....	.71	
" 24.....		\$15.68
Jan. 7.....	64.37	
" 4.....		7.60
" 21.....		14.80
" 28.....		56.56
Feb. 4.....	57.89	

The total profit to February 4th, exclusive of equipment and repair charges, is therefore \$384.01 and equipment and repairs for the year amount to \$322.76.

During the same period the Cigar and Candy counter has made a profit of \$111.73, bringing the total profit to \$291.83. The Social Rooms were run at an expense of \$82.35, making a total expense for the year of \$190.18. A profit of \$31.16 has been made by the sale of Banners at the Cage.

The summary of all departments to date shows a profit of \$516.82, a surplus over Equipment and Repairs of \$194.06.

HOCKEY TEAM LOSES

Tech Beaten At Providence By The Eastside Seven

On the Eastside rink at Providence, Saturday afternoon, the Providence Hockey Club beat the Tech aggregation by a score of six to two. The crowd was an enthusiastic one, and cheered the clever plays of each team.

The first goal for Providence was made by excellent passing the entire length of the rink. Rod Budlong starred for Providence and Leavitte for Tech.

The summary:
PROVIDENCE
Paine f..... f Leavitte
R Budlong f..... f Stucklen
F Budlong f..... f Hurlbutt
Bullock f..... f Sloane
Read cp..... cp Gould
Hunt p..... p Vose
A Budlong g..... g Bakewell
Score, East Sides of Providence 6,
M. I. T. 2. Goals made by Rod Budlong 4, J. Bullock, J. Paine, Stucklen 2. Referees, R. Bullock and Robert Sullivan. Goal judges, Smith and Fairchild. Timers George Rannery and Dick Cole. Time 30m periods.

The University Store at Princeton pays a ten percent dividend.

The seventy-fifth birthday of Mr. Carnegie is celebrated with a gift of \$2,500,000 to the Carnegie Technical Schools. This is a total of \$20,000,000 given to this cause.

TECH ATHLETES SHINE IN BOSTON A. A. GAMES

Relay Teams Walks Away From The Dartmouth Four In A Fast Dual Race

MANY COLLEGES REPRESENTED IN GAMES

Dahymple Second In High Jump. Wilson Third In The Forty Yard Dash.

Tech easily defeated Dartmouth in a relay race at the B. A. A. game Saturday night. The team ran in the third fastest time of the evening as the B. A. A. and Cornell University teams were just the least bit faster. Thompson started for Tech and by strong running managed to beat Duffie of Dartmouth by two yards. Thompson touched off P. D. White, who proved himself much faster than Palmer of Dartmouth, by increasing Tech's lead to about 15 yards. It became a runaway for Tech, when Guething increased his lead over Seidler of the Green to 35 yards. Capt. Salisbury ran last in his usual excellent form and finished up 50 yards ahead of Hall of Dartmouth. The time was 3 minutes, 9 1-5 seconds.

Tech also got two places in the open events. Wilson 1914 with a handicap of 5 feet ran in the 40 yard race and finished in third place.

As was expected, Dahymple 1912, placed in the high jump. He made an actual jump of 5 feet 11 inches and with his handicap of 2 inches he finished in second place, half inch below Lawrence of the B. A. A.

Kiviat of the Irish-American A. C. secured first hold on the Hunter Cup for that club by defeating a fast field in the one mile special in the time of 4 minutes and 29 1-5 seconds.

The track record of 6 seconds for the 45 yd. hurdles was equalled by Chisholm of Yale, when he won the event. Grant and Gibbs of Tech secured places in the trial heat, but were shut out in the semi-finals.

Joe Horner of Michigan, the wonderful all-round athlete secured second in both the high-hurdles and 40 yard invitation.

ATTLEBORO SUPPORTS TECH

Board of Trade Passes Vote in Favor of \$100,000 Grant

Emphatic indorsement of Technology's request for a \$100,000 appropriation from the state treasury comes from the board of trade of North Attleboro, which by unanimous vote recently requested the representative and the senator from the Attleboro district to vote for the appropriation and to use their influence in favor of its passage.

President Maclaurin received yesterday a letter from William C. Hobbs, president of the board of trade transmitting the resolutions, and the notice of instructions to the Attleboro delegation.

CALENDAR

Monday

1.00—Tech Board Mtg. (with lunch)—Union.
4.00—Battalion Dance Com. Mtg.—Union.
4.15—1913 Basketball Practice—Gym.
5.00 Tech News Board Meeting. Upper Office.

Tuesday

4.15—Institute Com. Mtg. Room A—Union.

Thursday

4.00—Mandolin Club Practice.—Union.
4.00—Glee Club Practice.—Union.
4.15—Varsity Board Mtg.—Union
4.15—Varsity Track Team Practice—Gym.
4.15—1914 Indoor Track Team Practice—Gym.

THE TECH

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S. E. Bates, 1911.....General Mgr. News Board.
G. M. Keith 1912.....Editor-in-Chief
A. L. Myers, 1911.....Institute Editor

Business Board.
M. W. Hall, 1912..Business Manager
A. T. Gibson, 1913...Circulation Mgr.

Associate Editors.
K. C. McKenney, 1912. Athletics
C. F. Cairns, 1913 General News
A. H. Waitt, 1914 Societies
M. Paris, 1914 Institute
E. W. Taft, 1913. Calendar

G. E. Van Volkenburgh, 1914 . . Business
T. B. Lawler, 1912 Business

News Staff.
D. A. Tomlinson, 1912.
A. J. Pastene, 1913.
W. Katzenberger, 1913.
L. S. Hall, 1914.

Business Staff.
F. H. Achard, 1913
P. Capen, 1913
P. G. Whitman, 1913
K. S. Johnson, 1914.
J. C. Morse, 1914.

A. W. Mudge, 1914
Art Staff.

W. S. Crost, 1912.....Cuts
H. B. Horner, 1913.....Cartoons
E. C. Taylor, 1914.....Photographer

Office, 42 Trinity Place.
 Telephone, Back Bay 2184.

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MONDAY FEBRUARY 13, 1911

The Tech takes pleasure in announcing the following elections in the business department: G. E. Van Volkenburgh 1914 has been elected Associate; P. G. Whitman 1913, A. W. Mudge 1914, C. P. Capen 1913, and F. H. Achard 1913, have been elected to the Business Staff.

It is an encouraging sign for Tech Show, 1911, that such a goodly number have signified their intention of trying for positions in the cast and chorus. As usual, the freshman class has contributed its full share of candidates, and to them a word of advice may be timely. The show will be for many of these men, the first Institute activity into which they have ventured. Let them remember, that enthusiasm is the first requisite to a successful undertaking. Go out with the idea of making your stunt the most faultless in the show, and the show will be just so much the better, and your value as an asset to the show will be just so much increased. Another word of warning. Keep up the standard of your scholastic work throughout the season. An Institute organization has never been the cause of poor scholastic work, though men may blame the organization in order to shift the responsibility from their own shoulders. It is a purely personal matter in which the development of system in the use of one's time plays an important part.

The relay team is heaping up honors for us, and deserves a lot of credit for the way they won from Dartmouth at the B. A. A. Saturday.

NEW ACQUEDUCT FROM CATSKILLS

New York's Water Supply Will Be Brought 100 Miles To City

TUNNEL 1200 FEET LONG

Reservoir Will Be Large Enough To Float Combined Navies Of World.

By authority of the State of New York, much the greater part of the watershed lying on the west side of the Catskill mountains was some time ago secured by the City of New York, which will construct a stupendous aqueduct system, costing approximately \$161,000,000 that will bring in the water from a distance of about 100 miles. The reservoir will be sufficiently large to float the combined navies of the world. The water will be brought down the west side of the Hudson River to its narrowest point, at Storm King mountain near West Point by gravity. Here the water will be conveyed under the Hudson by tunnel and flow into a smaller reservoir placed some 300 feet above the river on the East side, and thence the water will flow to the city for distribution.

In order to bring the Catskill water to New York City it was essential that a plan should be devised by which the great body of water could be brought across the Hudson to the New York City side of the River. It was decided by the engineers, after a long study, that a tunnel was the only feasible plan for doing this. But when the engineers began to make borings an astounding condition was disclosed. It happened that the Hudson at its narrowest point, appeared to be bottomless, whereas, the river between New York and Jersey City has a fundamental bed of rock about fifty feet below the mud bed. All the devices of artesian well boring apparatus were tried, until, 1000 feet below the surface of the Hudson, the fundamental rock was reached.

To carry a tunnel through this rock involves the sinking of a shaft upon either side of the river 1200 feet in depth. The engineers are now satisfied, it will be possible for workmen, working in shifts of about two hours each, to drive the great bore through the rock from one shore of the Hudson to the other. It will be with one or two exceptions possibly, the deepest tunnel in the world.

COMMUNICATION

To the Editor of The Tech:
 Your editorial of last Friday relative to the displaying of the posters entered in the Show competition was very much to the point. It would be very unfortunate to deprive us of the pleasure of seeing the results of our artists' efforts. Without question the House Committee would be willing to have them posted, and indeed should be only to glad to have such an attractive decoration in our Union. Last year's exhibition was very interesting, to the writer at least, and judging from the number of spectators daily assembled to view them, the posters were interesting to others as well.

Furthermore, we not of Course IV who do not profess to be able to judge of excellence in art do, however, like to criticize the selected poster. True, not always do we agree with the selection, but we are afforded opportunity of swapping opinions. Beside, our ideas of the possibilities in our own Tech contemporaries are considerably broadened, when we see so proud a representative array.

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ANNOUNCEMENT

Mr. A. G. Morse, formerly of Morse & Henderson, is prepared to receive his customers at his old address, 18 Boylston Street, Room 14, where he will display selected importations in suitings, overcoatings, etc.

He has secured the services of Mr. C. B. Allen, who, for thirteen years, has been cutter for H. B. Curtis, Tremont Building.

Mr. Morse believes that in Mr. Allen he has a competent cutter, informed with the latest principles and ideas in the art of cutting.

Your patronage is solicited.

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At the Massachusetts Institute of Technology, a system has been inaugurated by which all of the so-called "college honors" are rated and no man is allowed to have more than a specific number of points. It is said that the activities are no longer embarrassed by the overloading of any one or more men and that no individual is allowed to identify himself with so many interests that his original purpose is lost sight of. This system is being considered in several eastern universities.

COURSE III THESES

The following thesis have been chosen by the Seniors in the Mining Engineering Department.

- R. Emmel and G. A. Cowee. Metamorphism of a Bedford Granite..
- A. H. Whorf. Investigation of an Argentiferous Lead. Zinc—Ore from West Ossipee, N. H.
- W. A. Van Sycle and C. R. Perry. Investigation of a Nova Scotia Gold Ore.
- F. Osborne and T. S. Killion. Mill Run and Investigation on a Gold Ore.
- J. O. Greenan and M. A. Grossmann. Investigation of an Electric Steel Refining Furnace.
- R. E. Vining and N. Weltmer. Pyritic Smelt of a Sulphide Copper Ore.
- F. G. Smith. Electro-conductivity Tests on German Silver Wire.
- J. L. McAllen and S. A. Guthrie. Investigation of Richards' Classifiers.
- F. H. Curtis. Investigation of Pitot Tubes for Measuring Air Blast.
- J. D. MacKenzie. Geological Investigation on New Foundland Coast.

PRINCETON TRACK SCHEDULE

Princeton has completed the schedule for the track season of 1911. A large number of meets have been arranged for, in the early part of the season, while indoor work is still in progress. The management expect to enter relay teams in many of the indoor meets, these teams being chosen by competition in each case. The following is the schedule of the indoor games.
 March 12: Fordham Indoor meet.
 March 17: Annual meet of the Princeton University, T. A. A.
 The P. U. T. A. A. meet which is held annually in the gymnasium will conclude the indoor season.
 The outdoor season will open the middle of April with the Caledonian games. During the spring the team will be represented in the University of Pennsylvania relay games and will hold regular dual meets with Yale and Cornell. The season will conclude with the intercollegiate on May 26 and 27.

IN THE LIMELIGHT

Wonder how Captain Bookmiller would execute the "squigger treeze" exercise!

If the Freshman had no other incentive to drill well, the Juliets on the balcony of the Armory would be all-sufficient.

The "artists" who "did" some of the signs on the Bulletin Boards have evidently refused to profit by Mr. Gracey's primary and secondary masses.
 And indeed, one would think that Gracey is a preacher by the way he insists upon having "mass."

President Henry F. Bryant, 1887, of the Boston Society of Civil Engineers, was a guest of the Civil Engineering Society last Friday Night.

(Continued from page 1)

- H. J. DeLawater, 1914; P. C. Lieber, 1913;
- A. C. Lombard, 1912; L. H. Burnham, 1914;
- A. D. Hiller, 1914; W. W. Mason, 1914;
- P. M. Currier, 1914; H. A. Morrison, 1914;
- J. F. Morgan, Jr., 1914; U. S. Sabler, 1914;
- M. J. Smith, 1913; J. F. Foley, 1913;
- A. B. DeWitt, 1914; H. D. Williams, 1911;
- G. E. Whitwell, 1914; N. A. Hall, 1912;
- B. B. Ringo, 1913; R. C. Stobert, 1913;
- L. S. Becker, 1913; H. H. Catching, 1912;
- H. W. Baker, 1914; R. L. Symonds, 1912;
- P. L. Redfern, 1912; K. W. Faunce, 1911;
- S. H. Hodgman, 1912; A. L. Palmen, Jr., 1911;
- C. H. Sichels, 1913; R. Elcock, 1913;
- R. Wetherald, 1914; H. N. Calver, 1914;
- J. I. Murray, 1912; G. E. Hodge, 1912;
- R. T. Portal, 1913; L. H. Graham, 1914.

Syracuse gives two hours of college credit to any student who participates in a varsity debate.
 Yale may receive a \$50,000,000 endowment if the trustees are able to arrange it. The present endowment is about \$13,000,000 but is proving inadequate with increasing demands on the university.
 Cornell's system of cheer leading is to be adopted at Brown.

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The course will be given on Tuesday
afternoons beginning Febuary 7th in
Room 22, Walker, at 4:10 o'clock.

It is open to all students of 2d, 3d, 4th
years without registration. No examina-
tion will be required or given.

Chas. R. Cross.

**FREEHAND DRAWING.
1ST YEAR.**

The exercise in Freehand Drawing for
section 12, is changed from Thursday at
11 to Wednesday at 11.

Walter Humphreys,
Registrar.

Feb. 6, 1911.

French Gothic Architecture—(250)
Offered the second term instead of the
first. Fifteen lectures by Mr. Dike, il-
lustrated. Applicants will please hand-
in tabular view cards at once to Mr. Dike

ALTERNATING CURRENTS

Beginning Monday, Feb. 13, recita-
tions in Alternating Currents will be
held in the following rooms, in the Lowell

Building:—		Room 22
Monday	11-12	" 24
"	12-1	" 23
Tuesday	10-11	" 26
"	11-12	" 21
Wednesday	11-12	" 21
"	12-1	" 21

Ralph G. Hudson.

NOTICE

Students desiring to do stenography
or typewriting in spare hours are re-
quested to see the President's Assistant,
10 Rogers, Office hours 8:30-9:00 and
12:00-1:00 daily and 4:00 to 5:00 Tues-
day, Wednesday, and Thursday.

1911

A list of all men eligible to be placed
on the ballot for Class Day Committee,
will be posted on the bulletin in the
Union about February 13. If your
name is not on the list consult with
any of the Class Officers at once, as
after March 1, no name will be added.
H. F. Dolliver, Clerk.

TECH SHOW

Wanted—50 good freshmen to enter
competition for assistant in Publicity
Department. See Publicity Manager H.
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