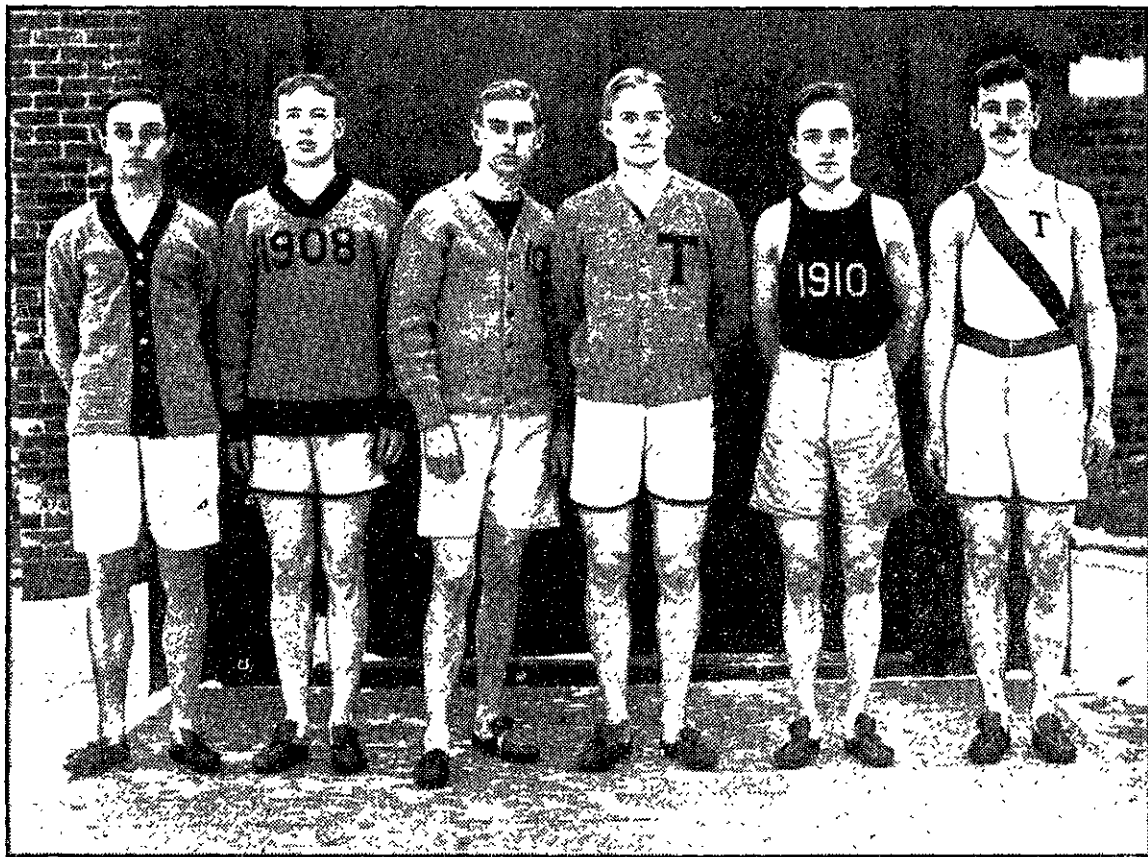


THE TECH

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PRICE THREE CENTS



RECORD-HOLDING INDOOR RELAY TEAM.

Left to Right — W. C. Salisbury 1911, H. W. Blackburn 1908, H. Lockett 1910, C. W. Gram 1909, K. D. Fernstrom 1910, B. L. Gimson 1908.

TUFTS WINS TWICE FROM TECHNOLOGY.

TECH SHOWS UP POORLY.

First and Second Teams Meet With Defeat in Ragged Games.

Tufts proved Wednesday night to be superior to Tech in basket ball at every point when her first and second teams won in games with the corresponding teams of her rival.

The Varsity game went to the Medford institution, 16 to 13. The play was very ragged. Tech led at the end of the first half, 8-6, but Tufts soon took the lead in the second half and held it to the end. Both games were very poor and were a wretched exhibition for Technology. The score:

TUFTS.	TECH.
Kimball rf.....lb. Nichols	
Dickinson, H.....rb. Parker	
Gatchell c.....c. Wentworth	
Wallace rb.....lf. Cahill	
Hatch rb.....rf. Hargraves	
Score, Tufts 16, Technology 13.	
Goals from floor, Hargraves, Parker 2,	
Gatchell 2, Cahill 2, Wallace 2, Kim-	
ball. Goals from fouls, Dickinson 6,	
Cahill 3. Referee, Velte. Timer, Shaw.	
Time, 30m. halves.	

EMERSON 1908 WINS SHOW PRIZE.

Has Best Design for Poster.

Alexander M. Emerson has been awarded the prize for the poster of "Over the Garden Wall." Of the dozen or so drawings entered in the competition, his was finally judged the best.

A large number of particularly pleasing drawings were sent in this year, Freshman work, as last year, attracting considerable attention.

Emerson entered the Institute only last fall, after working for many of the best firms in Boston, and spending a year abroad. His design is said to be one of the best the Show has ever had, and only that of the "Chemical Maid" compares with it in attractiveness.

SHOW REHEARSALS BEGIN TOMORROW.

CANDIDATES CALLED TOGETHER AT THE UNION.

Complete Trial Selections of Cost to Be Made By Coach Francis.

Rehearsals for "Over the Garden Wall" are to commence Saturday afternoon. The call has been sent out for candidates for principal and chorus to meet at the Union at two. James Francis will be there and complete trial selections will be made.

It is necessary to rush the work as much as possible this year, as the rehearsals commence on the same day as last year, while the performances come a week earlier. Hence everyone who is coming out for the Show should be on hand Saturday afternoon, ready to do his best.

Only great cooperation on the part of all will enable as finished a product as last year. Inasmuch as the book, according to Mr. Francis, is the best the Show has ever had, it would be a calamity not to have the rest of the work equally surpass former years.

Some of the best men from "William, Willie and Bill," as Kibbey, Hield and Jenkins, are to be back, but many other good ones will not be with the Show again. The Freshman Class has the opportunity to turn out many stars, if it will enter into the work with true Tech spirit.

This year the Show is to go to Northampton in its own Pullman train, and the fellows will be given a good time. A special caterer will accompany the train to supply the inner man. At least two dinners will be given the cast, instead of one, if the usual number of performances take place. The Show management says, "No Tech man will ever regret the moments spent in lending prestige to the Institute and obtaining money for whatever good purpose it may be put to."

TECH WILL NOT MEET B. A. A. TOMORROW EVE.

MARRIAGE AND BAD ANKLE CAUSE B. A. A. TEAM TO DISBAND.

Special Team is Being Made Up.

"It can't be helped. One member is to be married, another has turned his ankle, and the other two can not run under the club's insignia." This is the reason why the crack Technology Relay Team will not be met by the B. A. A. team in the short distance tomorrow night at the Lawrence Light Guard meet.

The management is trying to find four men to make up a fast enough team to give Tech a race. This team will probably be made up of one man each from the B. A. A., Battery A, the First Corps of Cadets, and Harvard. The distance is 352 yards for each man.

Technology will be represented against Tufts in a 2-mile relay race by a fast team, composed entirely of Freshman.

The members are W. C. Salisbury, who took third in the 1,000 yds. in the B. A. A. meet; C. P. Eldred, who took second in the mile in the same meet; P. D. White, who won the half-mile in the fall meet; and W. T. MacCready of the Cross Country Team.

Both teams are in good shape. Great disappointment is felt on account of the disbanding of the B. A. A. team, as it was hoped that this team might be able to push the Tech quartet to the limit. There will, however, be a good race with a team of selected runners, and no doubt a new record will be set for the distance.

Besides the two team races, Technology will be represented in the 40-yard dash, the 440-yard dash, the half-mile and the mile runs.

PROF. JAGGAR GIVES MOST INTER- ESTING LECTURE.

Prof. Jaggar last evening gave an interesting and instructing lecture on "The Evolution of Bogoslof" to a large audience at the Society of Arts meeting in 22 Walker. His address, which was fully illustrated by lantern slides, was the same as outlined in the last issue of The Tech.

DETAIL STATEMENT OF SHOW FINANCE.

ELEVEN HUNDRED DOLLARS TURNED OVER TO ATHLETES.

Receipts from Boston Ticket Sale was \$3,500.

The following is the detailed statement of last year's Show to date in accordance with the special article on the finances in a recent issue of The Tech:

RECEIPTS.	
Boston ticket sale	\$3,537.50
Malden ticket sale	693.75
Providence ticket sale	641.50
Advertisements in programs	636.12
State St. Trust Co. (loan)	500.00
Sale of Scores and Posters	425.40
Check paid to C. C. Webb (deposited)	150.00
Check paid to H. McCready (deposited)	100.00
Rebate from Colonial Theatre (orchestra)	70.00
Total	\$6,754.27

EXPENDITURES.	
Advisory Council (athletic assoc.)	\$1,100.00
Printing and engraving	988.15
James Francis (coach)	669.25
State St. Trust Co. (p'y of loan and int.)	519.17
Rent of Colonial Theatre	473.42
Costuming	419.50
J. M. Flocton (conducting orchestra)	369.90
Show dinners	241.38
Wigs	200.00
Management expenses	162.78
Stationery	146.05
Stenographer	132.00
Providence expenses	262.08
Check to C. C. Webb (to cover bills)	150.00
Check to H. McCready (to cover check on McCready made to Tech Show, 1907)	100.00
B. B. Gillette (arr. of music)	96.57
Advertising	71.32
Transportation	75.00
Library Bureau Co.	55.45
Thorpe (pianist)	35.00
N. G. Wood	38.93
Camera (present to Francis)	25.70
Rebated on tickets	25.00
Loan to 1910 athletics	29.00
Officer drawer for change	20.00
Paid out on account of 1906 Show	15.88
S. R. T. Very (poster prize)	10.00
Photographs	5.25
M. I. T. Telephone	1.15
Debit to Cash Acct. "Tech Show 1908"	316.54
Total,	\$6,754.27

ENERGY OF ESCAPING STEAM.

Original Investigation to be Undertaken at the Institute.

Professor Edwin F. Church Jr. 1901 will this term prepare a thesis for the degree of master of science in the mechanical engineering laboratories of the Institute. He will determine the energy of steam escaping against varying back pressure. Work of like character has been done in Germany but has never been attempted before at Technology.

Prof. Church was in the class of 1901 in naval architecture and is now associate professor of mechanical engineering at West Virginia University. He spent last summer here preparing and perfecting the necessary apparatus and will begin work February first.

In outline his method of procedure will be this: a nozzle increasing in diameter from 7-8 in. to 2.57 in. is suspended within a large iron cylinder by a flexible tube. Steam will be admitted by this tube and will escape through the nozzle at a velocity of 4000 ft. per second in a direction normal to the tube. The varying pressure in different parts of the cylinder will be measured by a tube 2mm. in diameter inserted through the head of the cylinder. The energy of the escaping steam will be determined by a direct measurement of the backward thrust of the nozzle. Waste steam will be conducted from the cylinder to a condenser and there measured.