

TWO MEETS AHEAD FOR BEAVER TRACK TEAM

Relay Goes to Millrose A. C.
Wednesday—B. A. A.
Games Saturday

TWO-MILE QUARTET PICKED

This week is due to be a busy one for the Beaver track team with two important meets on the schedule. Wednesday, the mile relay competes in New York at the Millrose A. C. invitation meet and Saturday the Engineer relay teams and fourteen individual contestants will take part in the B. A. A. games. The Institute has only two entries in the New York competition besides the relay, Elmer Sanborn in the Rodman Wanamaker special mile and a half and Ed Heap in the sprints. In the Boston meet Technology has entered twenty-six men.

Two Mile Team Picked

Owing to the delays of bad weather the final lineup of the two-mile relay was not settled until Friday afternoon when competitive trials determined the four men who will run in the B. A. A. Saturday. Captain Sanborn of the cross country team was fast man while Art Flanders, Charlie Snow and Tommy Gill were the other position winners. Jeff Burt and Art Smith were named as substitutes.

This makes the list of Beaver teams complete for the coming events and this week will be spent by Coach Kanaly in tapering off the training of all the men except those who are entered in the Millrose games. The probable order of running for the mile relay at New York is Johnny Poole, Bill Smith, Bill Gurney, and Yard Chittick anchor man. This is also the way the team will start against Harvard at the B. A. A.

Mile Relay Fast

It is well known that last season's mile relay was no slouch for speed but Kanaly has reported Captain Chittick's quartet as a faster aggregation than last year's. This makes the Beavers clear favorites over the Johnnies next Saturday as the up-river relay hasn't shown any great improvement over the combination that lost to Technology in the 1921 B. A. A. games. In their New York race the Beavers are up against more experienced competition and in Cornell and Syracuse will find their most dangerous rivals. Exactly what other colleges will put teams against the Institute is not definitely decided until the last moment as the Millrose A. C. has not made public the lists of competitors in the various team events. Cornell, however, is credited with having four men who can hit the quarter around fifty seconds and if she lives up to that reputation the Ithacans should have little difficulty in cleaning up. Syracuse also is sending a strong aggregation but one which has not received the publicity of the Red team.

Sanborn and Heap Go To New York
Captain Elmer Sanborn of the fall cross-country team is to try his skill against a fast field in the Rodman Wanamaker special mile and a half in the Millrose meet. With opponents like Cutbill, Larry Shields and possibly Joie Ray, Elmer can scarcely be expected to star but he has been improving rapidly this year and the fact that he is adding speed to his unques-

(Continued on Page 4)

PREPARATIONS FOR NASH MEETINGS GOING FORWARD

The committee for arrangements for the Nash meetings to be held at the Institute on February 16, 17 and 18 will convene in the Walker grill room at one o'clock on January 30.

Mr. P. R. Ziegler '00, chairman, Professor Dotten of the Technology Department of Economics, A. L. Johnson '22, president of the T. C. A., C. H. Hubbard '22, director of meetings, and Dr. H. Marshall who has charge of Mr. Nash's New England engagements, comprise the committee. Invitations to attend have been sent to Professor W. Humphreys, registrar of the Institute, D. R. Shotwell '22, director of last year's Eddy meetings, and W. B. Furinton '22, director of Nash meetings.

ELECTORAL COMMITTEE MEETS

The second meeting of the Technique Electoral Committee will be held this afternoon at 4 o'clock in room 10-275. The organization of the committee was completed at the meeting last Thursday, and elections will be taken up this afternoon.

600 ATTEND WINTER CONCERT AT COPLEY

The thirty-sixth annual Winter Concert and Dance of the Combined Musical Clubs was held at the Copley Plaza last Friday evening. When the opening number by the Banjo Club came on at 8:45 o'clock, the audience numbered 600. The program was run off in a little over an hour and Bert Lowe's orchestra started the first number on the dance order shortly after 10:30 o'clock. Dancing lasted till 3 o'clock, refreshments being served after the fifth dance at about 11:45.

The usual program of the Musical Clubs was presented, specialty acts by Carroll and Ecker, and the Jazz Band getting a "good hand." The violin solo by L. L. Price '22, and the mystifying magical performance by K. C. Kingsley '23, were also well received. The rest of the program consisted of the numbers by the Glee, Mandolin and Banjo Clubs.

List of Patronesses Large

The list of patronesses numbered over 40 and the matrons for the affair were Mrs. Talbot, Mrs. Bugbee, Mrs. Gayley and Mrs. Hobson. In the absence of the general manager, the treasurer assumed the duties of acting general manager, so that the affair was in charge of F. E. Klutey '23.

The next local concert of the clubs is announced as the Framingham concert next Friday evening. There the clubs will entertain the young ladies at Framingham Normal School. Announcement of the transportation arrangements will be posted on the bulletin board of the clubs in the main lobby.

DIETICIANS CONVEENE AT LUNCH IN WALKER

Main Hall Throngs with Delegates Seated at
Reserved Tables

MEET FIRST IN NORTH HALL

Students eating in the Walker cafeteria Saturday noon were confronted by an unusual sight. Two rows of closely set tables on the west side of the hall were marked "Reserved." A group of women soon appeared on the balconies overlooking the main hall, looked down for a moment, and then invaded the cafeteria en masse. Students already seated at the tables saw the reserved section rapidly filling while those whose luncheon was yet to be procured, looked in astonishment at the long double line which still filled forward to the counters.

Simmons College Represented

This unusual influx of the gentler sex was composed of members of the dietician section of the New England Home Economics Association. A meeting had been held in the north hall of Walker that morning at ten o'clock and those who attended were enjoying a light collation as a part of the day's program. Miss E. M. Goodrich, head of the department of economics at Simmons college, acted as chairwoman with Miss A. Ruth also of Simmons.

Free Cocoa Not Mentioned

Miss S. Smith manager of the Pacific Mills Company's lunchroom in Lawrence spoke on "The Industrial Lunch." Miss C. W. Warner of Filene's lunch management explained the problems of the public lunchroom, Miss H. Seabold, in charge of the Jordan Marsh employee's dining room told of her work, and Miss Francis Stearns showed that the industrial worker needs a special diet. None of the speakers were heard to enthuse over the free cocoa dispensations at the Institute.

The purpose of the convention, as explained by Miss Goodrich, was to emphasize the need for some definite connection between the dietetics of the hospital and the menu of the lunch room.

ELECTRICAL ENGINEERS PLAN EXCURSIONS TO LOWELL, MASS.

The Electrical Engineering Society is planning two trips to Lowell, Mass., to visit the factory of the Hamilton Manufacturing Company, manufacturers of cotton goods. The feature of the trip will be a visit into the interiors of the scroll cases that surround the large turbines in the factory.

Parties will leave the Institute main lobby on Tuesday and Thursday of this week at 12 sharp. Men wishing to go must sign up for one of the days in room 10-158. If enough men wish to take the trip at any other than the specified times it can be arranged.

NO LATE HOURS FOR DANCE---SAYS DEAN

Show Unable to Get Sanction
for 2 O'clock Affair—
Begins at 8:15

TICKETS PLACED ON SALE FEB. 1

The Tech Show Orchestra recital and dance will take place as announced on Friday, February 10. The fundamental plans, however, had to be changed because, according to the Show management, it was unable to get the permission of Dean H. P. Talbot to hold a 2 o'clock dance, therefore the Show finds that the following arrangements will have to be adhered to.

Prize Dance Is a Feature

The recital will begin promptly at 8:15 o'clock and will continue until 9:30 when refreshments will be served in the balcony of the main hall. The dancing will begin at 10 o'clock and will last until 12. The management has arranged a few specialties including a prize dance which they hope will provide a very enjoyable evening for all those attending. Because of the Show's change in plans they will not have the American House Orchestra, and the Marimba Band to furnish the music; instead the music will be furnished by Art Fischer who is now playing at the Franklin House.

The dance will be decidedly informal and the price of the tickets will be \$2.00 per couple. This price includes the refreshments. The tickets will be placed on sale in the main lobby, Wednesday, at 12 o'clock. The sale will continue until 2 o'clock and tickets will also be obtainable at the same time and place, Thursday and Friday. The dance has been limited to 200 couples.

BEAVER MITTMEN WIN SPIRITED ENCOUNTER

Cambridge Y. M. C. A. Un-
able to Withstand Vigor-
ous Attack

SMITH SCORES KNOCKOUT

Although the score was pretty close, 3-2, the outcome of the Technology-Cambridge "Y" boxing meet in Walker Saturday afternoon was never in doubt. The Beaver battlers showed a very evident mastery and superiority in the game of give and take, both outboxing and outfighting their local opponents.

In the 115 pound class Al Lindsay met Mack Steinberg of the "Y." Al boxed for the Beaver Cubs last year and figured rather prominently, winning most of his starts. In fact, he was the favorite when he entered the ring. However, Mack was no set-up and when he showed what he had, the fans were sure of seeing a good bout. In the first round Steinberg started the action with a neat left-hook and Lindsay began to be cautious.

Steinburg Out-Points Lindsay

The rest of the round was fairly fast, Steinberg outboxing Lindsay at close range, thereby winning the round by a narrow margin. Lindsay showed to advantage in the second round, outboxing his stocky opponent at long range. Both men weakened in the third session, having good cause since such hard hitting in such a class has seldom been seen at Walker. Steinberg was awarded a close decision after the judges and the referee had totaled up the points. Lindsay might have done much better had he participated in the elimination bouts and gotten in better condition.

Bob Smith, of knock-out fame, entered the ring for Technology in the 125 pound division against J. B. Streddwick of the "Y," who was substituting for Omaral, the latter being declared ineligible on the grounds of being a coach. Bob added another scalp to his long list of knockouts by doing a "Jack Dempsey" on his scrappy opponent in the first round in less time than it took to wear the resin off his shoes. To date Bob has copped all knock-out honors and looks as if he won't be headed. He is bound to be a sterling performer this season and it will be a treat to watch him in action in the future.

Ryan Wins Easily

In the 135 pound class Joe Ryan, substituting for Lew Phillips who was out with a sore wrist, performed in a

(Continued on Page 3.)

CORPORATION XV WILL DINE AT STURTEVANT COMPANY

Inspect Plant in Two Groups—Com-
pany Managers Speak

Final arrangements have been made by the officers of Corporation XV for the trip to the Sturtevant Company, tomorrow. They have secured some of the officials of the company to speak at the dinner and expect the trip to be very successful. Mr. Herlan, Assistant Manager of the plant, will speak on "Engineering Sales." Mr. Rankin, Production Manager, will also speak concerning "Engineering Production."

On account of the afternoon classes it has been found advisable to go in two groups, the first group meeting in the lobby at 2 o'clock, and it will be conducted to the plant by a Junior Director. The second group will leave at 2:50 o'clock from the class in business law, 3-270 accompanied by the Senior Directors.

This group will make a hasty inspection of a portion of the plant and both groups will dine at 5 o'clock. Members who drive their cars to the plant are asked to arrive soon after 2:30 o'clock.

STARS AND ATOMS DESCRIBED IN T. E. N.

Advantages of Course X-A
Shown in Brief by R. A.
St. Laurent '21

BIOGRAPHY OF PROF. MILLER

The February issue of the Tech Engineering News is to be placed on sale in the various lobbies Wednesday morning. The number will contain ten feature articles as well as the usual amount of short ones. The following list of titles gives a comprehensive survey of the number. "Stars and Atoms" by Dr. Harlow Shapley, "Manufacture of Photographic Lenses" by F. L. Higgins, "War Flying" by H. F. Russell, "Biography of Professor E. F. Miller" by Professor C. E. Fuller, "Canadian Water Power" by H. K. Barrows, "Hydraulic Draft Tubes" by W. K. Ramsey, "Course X-A" by R. A. St. Laurent '21, "Manufacture of Seamless Tubing" by J. F. Hakes '12 and "Bridging the Marne" by W. F. Heavy. The editors call particular attention to "Stars and Atoms" and the "Manufacture of Photographic Lenses."

Sold by Slot Machine

This month the copies will be sold from the main lobby by a unique "coin-in-the-slot" machine. This machine has been prepared by the technical division of the News and will dispense the copies as well as make correct change. It operates perfectly and uses coins up to a fifty-cent piece in size. It also refuses pennies but will operate on nickels and dimes if the proper number are inserted.

The circulation department of the News calls attention to the fact that copies will not be given to subscribers unless the pink subscription card is presented. The price will remain at 20 cents the copy.

EXHIBIT ON THOMAS GAFFIELD'S LETTERS AT CENTRAL LIBRARY

The Central Library has an interesting exhibit, taken from the books and manuscripts of Thomas Gaffield, a Bostonian of note, famous for his experiments on glass manufacture. Letters to Mr. Gaffield from such eminent men as Oliver Wendell Holmes, John Tyndall, Michel-Eugene Chevreul, Charles Sumner, and James Garfield, are included in the exhibit. A letter, written by W. B. Rogers, founder of the Institute, should be of interest to all Technology men. A page from the Gutenberg Bible, the first book printed from movable type is also shown.

An interesting book, "Universe," by Scudder Klyce, has recently been acquired. It deals with broad generalities in science, religion and philosophy. One of the questions it treats, "What is wrong with Newton's law of gravity?" should prove interesting to freshmen.

Walker Library Has Books on Music
The Walker Library has a very good collection of books on music for men to whom this subject appeals, and especially for those taking Professor Roger's course on Appreciation of Music.

ALMA MATER SONGS DUE BY MARCH 1

Dean Talbot Appointed One
of Judges—Expect New
Member of Committee

VERY FEW SONGS ARE NOW IN

Announcement has been made that competition in song writing for an Alma Mater song for the Institute will close March 1. THE TECH, the Tech Show and the Combined Musical Clubs are giving a prize of \$200 for the best song selected from the group. A similar contest will be held each year until 1925. Prizes totaling \$800 will be paid to the man or men whose song is adjudged the best in each of the four years. The last year the permanent Alma Mater song will be picked from these four and a loving cup besides the \$200 presented to the winning author.

Alumni Council Meets Tonight

The Alumni Council tonight will be asked to elect a representative for the committee comprising the donors of the prize fund. An opportunity to contribute to the fund will also be afforded. The committee as it now stands comprises one representative each of THE TECH, the Tech Show, and the Combined Musical Clubs. With the expected representation from the Alumni Council soon to be made, the committee will meet and decide on definite rules on the competition. The rules will be very liberal.

The general rules permit two or three men to work together. If their song wins the prize they can divide the money between themselves according to their own arrangements.

Song Judges Announced

The judges who will decide the winner this year are Dean Henry P. Talbot, Harry J. Carlson, Professor Henry G. Pearson, head of the Department of English, R. C. Rundlett '22, general manager of the Combined Musical Clubs, L. K. Cowie '22, general manager of the Tech Show, and A. J. Browning '22, general manager of THE TECH.

Up to date very few songs have been sent in, but it is expected that with the completion of the committee in charge and the announcement soon to be made regarding the definite rules governing the contest the students of Technology will find a stimulus which will enable them to write a song that the Institute will ever be proud of.

JUNIORS MAY ENROLL FOR ADVANCED MILITARY SCIENCE

The Department of Military Science wants information about the enrolment of Juniors in the Military Science classes. The enrolment is open to all Juniors who have completed two years Basic Courses at an educational institution under an officers of the Army detailed as Professor of Military Science and Tactics. Any men desiring to continue with their work in the Military department should apply at the department headquarters for further information.

The following are the courses in which students are eligible to enroll in one of the five units here:—

COAST ARTILLERY—All courses.
ENGINEERS—Courses I, III, IV, IX-b, XI, XII, XV-1.

ORDINANCE—Courses II and X.
SIGNAL CORPS—Courses VI, VI-a, VIII, XIV.

AIR SERVICE—Courses I, II, VI, VIII, IX-a, IX-b, XIII, XIV, XV.
All enrolments must be made before February 6, 1922.

CALENDAR

Monday, January 30
6:30—Alumni Council dinner, Faculty dining room.

Tuesday, January 31
1:30—Corporation XV trip to B. Sturtevant Co.
7:30—Mining Eng. Society meeting, Faculty room, Walker.

Wednesday, February 1
9:00—Dance after basketball game, north hall.

Thursday, February 2
4:00—M. E. Society meeting, room 5-330.
5:00—Institute Committee meeting, Faculty room.
8:00—M. I. T. Math Club meeting, east lounge.

Friday, February 3
7:30—Chess Match, Faculty and Alumni rooms.
8:00—Simmons Glee Club concert and dance, main hall, Walker.

Wednesday, February 8
6:00—Dartmouth Club dinner, Faculty room, Walker.

Friday, February 10
8:15—Tech Show Orchestra, concert and dance, main hall, Walker.

Tuesday, February 14
8:00—Class of 1922 dance, main hall, Walker.