

1924 TO HOLD RALLY DAY BEFORE BATTLE

Gathering Will be Addressed by Field Day Leader

"A Sophomore rally the night before Field Day to start the class as a whole on showing the fighting spirit with which we hope to win the following day." This statement by the Sophomore president, D. H. Keck, and heartily endorsed by the rest of the class officers, typifies the purpose of the rally to be held by the Sophomore class in Walker Memorial, Thursday at 5 o'clock.

The rally will most likely be held in the gym and it is rumored by G. F. Eaton '24, class officer and assistant boxing manager, that a few fast boxing matches with plenty of action, will probably be the opener to the gathering. The men will be addressed by Dean Talbot, Coach Frank Kanaly, and the coaches and captains of the various '24 Field Day teams.

The Sophomore band will make its first appearance on Thursday night, and guarantees to give the class a sample of the kind of music they may expect to lead them the next afternoon. The cheer leaders, under the leadership of W. F. Rivers '24, will be present to try the men out on a few short Technology and class yells.

To make sure that none but Sophomores attend the rally, tickets are being printed and will be issued gratis to all 1924 men through their section leaders. The cardboards will be issued to the section leaders in their meeting tomorrow afternoon and will be distributed to the class on the following day.

The time of the rally, 5 o'clock, was chosen as the most convenient hour for men to get together, and it is believed that every man in the class that can possibly get there, will be on hand. The committee in direct charge of the rally consists of C. F. Jenkins, chairman, and W. H. Van Dusen and R. W. Kenison, all Sophomores.

START CONTEST TO CHOOSE ATHLETIC PUBLICITY MEN

Sophomores Eligible for Fall M. I. T. A. A. Competition

Competition for the M. I. T. A. A. position of publicity manager will open in the office, room 307 Walker, at 5 o'clock tomorrow. The contest starting now is open to Sophomores only. Freshman assistants will go on trial later in the fall.

The man chosen to head publicity will be of the same grade in the association as the athletic team managers. Two '24 candidates will be retained after the present race, one of whom will win the office for his Junior year.

Four Departments Established
The work will be very broad in scope, probably the most varied of its kind in the Institute. Four departments will be maintained: straight publicity, poster development, photographic, and the printing of meet programs. The last named will include securing advertisements as well as the actual makeup of the programs.

Publicity Manager O. G. Williams '22 feels that the many different functions of his position offer opportunities to a big group of Sophomores and is anxious to have a large turnout tomorrow afternoon. He is sure that the contest will be very good training.

It has been the custom to permit most of the athletic publicity to be furnished by the team managers. In this way there was no uniformity to the news given out and confusion frequently developed. With a definite

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WILL HOLD CLASSES ON ARMISTICE DAY

Considerable inquiry has been made whether or not the exercises of the Institute will be omitted on November 11. As this day is not a legal holiday, the exercises will be conducted as usual. It is hoped that all at the Institute will, however, pay the respect which is requested by the Governor of the Commonwealth in his proclamation. I understand that it is requested that all remain quiet for two minutes at 12 o'clock. Definite information will soon be available.

WALTER HUMPHREYS,
Registrar.

N. A. DRIVE PROGRESSES

The membership drive of the Naval Architectural Society is progressing very favorably, according to J. A. Bowers '22, president of the society. It is expected that 90 per cent of those taking the course in Naval Architecture will be signed up before the close of the drive. There will be a meeting of the society in the early part of this week.

TECHNIQUE RUNS COMPETITION

Competitions in the Business Department of Technique 1923 are now running and are open to all three of the lower classes. The two winning Juniors will receive positions as assistant business managers of this year's book. The winners of the Sophomore and freshman competitions will be elected to the Junior Board of Technique 1923. All of these competitions are still open to new men.

NOVEMBER ISSUE T. E. N. GOES ON SALE WEDNESDAY

Features Article on Stained Glass Windows

The Technology Engineering News makes its second appearance of the year this Wednesday, when its November issue goes on sale. The feature articles, as is generally the case, are based on strictly engineering subjects.

Charles J. Connick is the author of the feature article of the issue, on stained glass windows. Mr. Connick is one of the leading designers of stained glass windows in the country, and is looked to as an authority of the highest kind on the subject. In his article he explains how the art of designing and making of these windows has gone backward in the last few generations, and that is one of the problems of today to find the methods used in the past ages for the creation of the old master pieces in stained glass, many of which have been destroyed by the devastation in the Great War.

The article of next importance is a discussion of the electrification of railroads from an economic viewpoint, by the Chief Statistician of the General Electric Company, Mr. W. D. Beares. This article will be of especial interest to men taking electrical courses at the Institute, as it shows the widening scope of the electrical field as regards the railroad problem.

The issue is rounded off by an article on iron ore from H. R. Aldrich '14, and other minor stories.

TECHNIQUE COMPETITION IS STILL OPEN FOR CANDIDATES

Competitions for Technique 1923 for positions on the business and editorial staffs which were announced some time ago and open to all Sophomores and freshmen are now under way, but according to H. H. Flather '23 there is still a good chance for any new candidate to make the staff. The men already competing are not yet far enough advanced so that new men coming out would be handicapped to any great extent.

NATIVE SONS PLAN SMOKER

The California Club will entertain its members with a smoker on the evening of Wednesday, November 2. The plans at present are for a gathering in the Faculty dining-room, with speakers on subjects of interest to Californians at the Institute. It is expected that these will include something on the Japanese situation on the Pacific Coast with possibly an easterner's point of view of the same subject.

Plans for a club dance to be held on November 18 will also be discussed.

NEW CLASS ENTERS IN JANUARY

A new first-year class will begin its work on Tuesday, January 3, 1922. This class will continue its work through the summer, and the students who succeed will become members of the second-year class, with the students of the present first-year class, at the opening of the school year, next October. Admission to this Junior grade first-year class will be by examination. Entrance examinations will be held here December 14 to 17 inclusive.

Some pupils of the high and preparatory schools may be prepared to enter in January, although they have not completed the full requirements of their school courses, and there may be others whose preparation for col-

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OFFICIAL NOTICE

By vote of the Faculty, after 12:00 M. on Friday, November 4, the exercises of the Institute will be omitted for the celebration of Field Day.
WALTER HUMPHREYS,
Registrar.

DISCUSSES AIRPLANES

Professor Warner Sees Great Future for Flying

"The first idea is the easiest part of an invention; the difficulty comes in the development of that idea," said Professor E. P. Warner of the Department of Aeronautical Engineering in discussing the progress made in aeronautics before the Aero Society on Friday evening.

This statement was made with reference to the question as to whether aeronautics is a matter of invention or of engineering. In tracing the development of the airplane Professor Warner contrasted the records made in the early history of flying with those of the present day, when our ceiling stands at 40,000 feet above sea level and a speed of 190 miles an hour can be attained.

Will Improve Engines

At the present time, following the success of several European countries, the United States is developing a thousand horse power aeronautical motor. The engines which transmit power anywhere approaching this through a single crank shaft are of the

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JUNIOR DANCE DATE UNDECIDED

Because of a slight change of plans, no definite date has been announced for the Junior Dance, which will be held in Walker Memorial in the early part of December.

The affair will take the form of a formal supper dance. The music will probably be furnished by Bert Lowe. Tickets will go on sale about two weeks in advance of the date finally decided upon.

The committee in charge, consisting of G. W. Bricker '23, H. B. Gray '23, J. H. Evans '23, C. H. Tirrell '23, and R. H. Smith '23, plans to arrange the seating for the supper at the time that the pastebords are disposed of. The patronesses will be announced later.

ARMISTICE BALL TO BE HELD

The British Empire Club will celebrate the third anniversary of the signing of the Armistice with a large formal ball in Walker Memorial, November 11, from nine to two o'clock.

Music will be furnished by Bert Lowe's orchestra. The price will be \$3.00 a couple.

M. E. SOCIETY TAKES FIRST TRIP

A trip to the plant of the Commonwealth Ice and Cold Storage Co. in South Boston will be made on Wednesday, Thursday and Friday of next week, November 2, 3, and 4, respectively, by groups of M. E. Society men. The men will leave the main lobby in parties of 25, at 1:30 o'clock on the day for which they sign up. Members are urged to go to the Combined Professional Societies' bulletin board in the main corridor as soon as possible and sign up. This trip will take in refrigerating machinery and the power plant. The society has adopted a new policy this year by not allowing any man to make the trip without showing his membership card.

Show Movies on Iron and Steel

The society will show movies on the manufacture of iron and steel by the American Rolling Mill Co. in Room 5-330 on Tuesday, November 1st at 4 o'clock, including all phases of the industry from the mining of the ore to the finished product. T. W. Jenkins of the sales division of the American Rolling Mill Company, will give a lecture in conjunction with the picture. The picture will take one hour to show and all those who can attend are invited to be present. The Open Hearth process is used in the manufacture of the iron and the American Rolling Mill Company is able to make the purest iron, in commercial quantities on the market today, being 99.84% pure. Tests have shown that purity has added to the rust resisting qualities of the iron.

Close Membership Campaign

The official closing of the membership campaign will be at the end of this week. The drive will be continued

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STUDENTS STORM TICKET WICKET

Exercise Ingenuity to Obtain Entrance— Line Extends Eighth of a Mile

WALKER CLUB HOSTS TO TRANSFERRED STUDENTS

The Technology Walker Club will act as hosts to the new men at the Institute who have transferred from other colleges at a smoker tomorrow evening in the north hall of Walker Memorial.

The Walker Club is extending an invitation to all the new men who transferred to the Institute from other colleges whether or not they have received written invitations to attend their smoker tomorrow. Because of the fact that all addresses are not in, the Club is making the newspaper notice an official call.

Dean Talbot has been secured to speak and formally welcome the men to Technology. Refreshments will be served.

CORPORATION XV SEES MOVIES

Friday afternoon at 3 o'clock in room 5-330, the weekly movies run under the auspices of Corporation XV were shown. They consisted of views taken at the plant of the Boston Woven Hose and Rubber Company, manufacturers of fire and commercial hose. A representative of the factory was present who explained the processes as the pictures progressed.

At a meeting of the board of directors of the Corporation, Mr. Edgar J. Rich, who spoke here on Wednesday of this week on the Labor Situation in the Railroads, was made an honorary stockholder. S. D. Burrows '22 was appointed temporary Senior Director to take the place of A. E. Meling '22 who resigned because of press of other work.

WALKER COMMITTEE WILL IMPROVE GYM BLEACHERS

The large number of dances, smokers, and other student gatherings which are scheduled for this term are keeping the Walker Memorial Committee, which is in charge of the matter of providing suitable places in the building for all such affairs, very busy.

The committee is also preparing the Gym for the coming season's contests. Especial effort is being made to provide better accommodations for the basket-ball games so that larger crowds may attend. The bleachers of last year are now undergoing repairs for the injuries suffered while they remained on the base-ball diamond last spring and it is possible that some additional ones may be obtained.

The committee announces the following office hours:
Monday, 12-2; 4-5.
Tuesday, 1-2; 4-5.
Wednesday, 12-2; 4-5.
Thursday, 12-2; 4-5.
Friday, 12-2; 4-5.

TO GIVE DINNER

The Students' Hospitality Committee of the Faculty is planning to give a dinner to all foreign students in the Institute on November 11.

OFFICIAL NOTICE

The proof for the "Student Directory" will be posted in the main corridor and in Walker Memorial on Friday, Saturday and Monday, October 28, 29 and 31. Students are asked to see that their names are in type correctly spelled, with the proper course, and degrees, if any, and with the proper home, and address for the term.

Corrections are to be in writing and may be left in the box placed near the proof, or may be left at the Information Office. Corrections should be received before Tuesday, November 1.

WALTER HUMPHREYS,
Registrar.

Last Friday morning the main lobby of the Institute was the scene of unusual activity, when the tickets for "The Passing Show" at the Shubert Theatre, the night of Field Day, went on sale at 9 o'clock.

By 8 o'clock nearly 180 men were in line, and by the time they started to sell tickets the line extended down through Building 3 to the refrigeration lab and beyond, going up the stairs as far as the third story. The unusual number in line was due to the ruling of the committee that one man could get five tickets only.

Dorms Get There First

The dorm men rather put one over on the rest of the crowd. Van Gieson's contingents had been storming the usual (and unusual) entrances of the buildings and succeeded in getting the first 18 places in the line that formed at about 7 o'clock. The early group of dorm men that got in just before the doors of the Institute were opened, were surprised to discover three of their number who were still earlier and were already encamped in the booth when they got there.

By noon there were about 10% of the tickets unsold, and when the office was finally closed up for the day, there were but 70 seats left.

These remaining seats will be put on sale, as announced, at 12 o'clock Monday, and the committee plans to keep the booth open until all the seats are sold.

RADIOS RALLY

Doctor Bush Lectures on "Filamentless Tubes"

At a Radio Society smoker in the Faculty dining room of Walker last Thursday evening, Professor Bush lectured to the eighty members present on "Vacuum Tubes Without a Filament."

Dr. Bush, who is connected with the American Radio Research Corporation, as well as the Institute, illustrated his talk with very elaborate apparatus. President F. D. Webster '22 of the society spoke on the plans for the coming year and the proposed visit to the transatlantic radio station at Marion, Mass. This station is one of the most powerful radio stations along the Atlantic coast. Vice President Edmond Bruce '24 spoke on the operation of the set owned by the society.

Active operation of this set will begin next week and the society will hold monthly meetings. Refreshments consisting of cider and cakes were served.

The present officers of the society are: President, F. D. Webster '22; vice president, Edmond Bruce '24; treasurer, W. R. Weeks '24; and secretary, R. S. Hayes '22.

CALENDAR

- Monday, October 31, 1921
5:00—Choral Society Tryouts, room 10-250.
5:00—Meeting, business department candidates for Voo Doo, room 309, Walker.
6:30—Alumni Council Dinner, Faculty dining room, Walker.
Tuesday, November 1, 1921
2:00—Chemical Society Trip starts from main lobby.
5:00—Tech Show Orchestra Rehearsal, north hall, Walker.
5:00—Meeting of freshman class, room 5-330.
5:00—Meeting, art and literary department candidates for Voo Doo, room 309, Walker.
7:30—Walker Club Smoker, north hall, Walker.
Wednesday, November 2, 1921
2:00—Chemical Society Trip starts from main lobby.
7:30—Mining Engineering Society Smoker, north hall, Walker.
Thursday, November 3, 1921
5:00—Tech Show Orchestra Rehearsal, north hall, Walker.
5:00—Cosmopolitan Club Meeting, east balcony, Walker.
5:00—Meeting of freshman class, room 5-330.
7:30—Class of 1924 Smoker, north hall, Walker.
Friday, November 4, 1921
1:00—Field Day Exercises, Tech Field.
7:45—Interfraternity Conference, Faculty and Alumni room, Walker.
8:00—Tech Night, Passing Show, Shubert Theatre.
Saturday, November 5, 1921
6:00—M. I. T. A. Dinner, north hall, Walker.
Thursday, November 10, 1921
8:00—Dorm dance, main hall, Walker.