

MEMBERSHIP IS NOW OVER THREE HUNDRED

**Cosmopolitan Club Prepares for
Year of Unprecedented Ac-
tivity—General Electric Man
Will Give Address**

PLANS ON FOOT FOR HOP

The Cosmopolitan Club with a membership of about three hundred is preparing for a year of great activity. The first meeting will be held on October 21, in the main hall of the Walker Memorial. A representative of the General Electric Company will address the club and moving pictures dealing with X-rays and with the application of electrical machinery to the cane sugar industry will be shown. A meeting of the executive committee of the Cosmopolitan Club is scheduled for Saturday, Oct. 9, in room 303, Walker Memorial.

The schedule of trips to nearby industrial plants has been enlarged to include visits to the Waltham Watch Co., the George H. Blake Mfg. Co., Boston Woven Hose Co., Hood Rubber Co., Chestnut Hill Pumping Station, Merrimac Chemical Co., Boston Rubber Shoe Co., Revere Sugar Refinery, and the John P. Squires Plant. Members are requested to fill out schedule cards so that the trips will be made at convenient times.

Arrangements are being made for some co-operation, by means of joint meetings or otherwise, with the Harvard Cosmopolitan Club. Plans for a dance Saturday, November 6, are being formulated.

DISTRIBUTE COPIES OF 1923 CONSTITUTION OF LAST YEAR

F. O. Billings, president of the class of 1923, is now distributing copies of the proposed class constitution in the lectures of Physics, 802a. Each Sophomore is asked to mark the slip attached to his copy "yes" or "no," and place the same in the basket provided, in order to determine the feeling of the class on the document.

VOO DOO ANNOUNCES START OF FRESHMAN COMPETITIONS

Candidates Needed For Business
And Art Departments

Phosphorus has, after a three months' vacation spent rather pleasantly in trips to Canada alternating with summer courses in R957-A (Mr. Humphrey's course in the "Confusion of Registration"), again took up his duties in Walker 309 and announced that competitions for all departments of Voo Doo were open. Chances for advancement are especially good this year on account of the large number of vacancies that will appear on the managing board after the Spring elections.

An added inducement, if one is needed, is the awarding of a copy of one of Fish's books on cartooning to the individual, not on the board, who hands in the best set of drawings during the coming year. The competition in the business department which is now under way is to be run on a point basis whereby the progress of the competitors may be charted. The next issue of Voo Doo will be out November 1. Phosphorus states that the cover, drawn by Albert Kruse '21, will be better than any yet seen in the lobby.

CHEMICAL SOCIETY MAY HEAR ADDRESS OF SWISS SCIENTIST

Professor W. K. Lewis, head of the Department of Chemical Engineering at the Institute, is negotiating with Dr. Fierz of the Technical Institute of Zurich, Switzerland, who is travelling in America, for an address to the Chemical Society of Technology by the noted Doctor of Organic Chemistry. Dr. Fierz is scheduled to address the northeastern branch of the American Chemical Society in Boston, and if the plans of Professor Lewis materialize, Dr. Fierz will speak to the Chemical Society shortly before his return to Europe early in November.

His address will form the feature of the first meeting of the year of the Chemical Society. The drive for membership in the society will, however, commence within the next week or two.

PLANS FOR MONSTER SMOKER IN WALKER MEMORIAL ASSUME FORM

SET CROSS-COUNTRY DATE WITH HARVARD

**Varsity and Freshman Harriers
Compete With Crimson Over
Belmont Course October 23—
Opponents Strong**

FIRST RUN TOMORROW

The Varsity and freshman cross-country teams made an excellent start in their training this week and Coach Kanaly stated that he was well pleased with the showing that they had made. He also said that the squad as a whole had reported in better shape this fall than they had for some time.

The Hare and Hounds race to be held to-morrow will be run in three squads, which will run three, four, and five miles. The first squad will consist of advanced varsity men, the second of advanced freshmen and new varsity candidates, while the third group will include all others. The first group will be expected to

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RECEIVES CHARTER

**State Grant to Corporation XV
Allows Sale of Stock**

Corporation XV succeeded in getting its charter from the state which allows it to sell stock in the corporation. The certificates have been placed on sale in the main lobby and over 200 shares have already been sold. The shares of stock sell for \$10.00 each but are payable at the rate of 50 cents a term. The initial installment is \$1.50 which pays up for one year.

The money obtained from the sale of this stock will be used to furnish entertainment and speakers for the men in the corporation. The first speaker will probably be Roger W. Babson of the Babson Statistical Bureau. Visits will also be made during the year to places of interest to men in the course such as the Library Bureau in Cambridge.

The Board of directors and the executive committee consisting of W. Conant '21, president; J. W. Kendall '21, treasurer; W. W. Russell '22, secretary; A. W. Norton '21, and G. W. Pollock '21, Senior directors, and T. W. Alder '22 and D. D. Spoor '22, junior directors are drawing up plans for the year which will be placed before the corporation at its first meeting for approval.

TECHNIQUE STARTS YEAR BY ELECTING BUSINESS MANAGER

**H. E. Rockefeller Chosen—Freshmen
Begin Work Wednesday**

The business management of Technique now falls to Harry E. Rockefeller '22, who has been recently chosen to fill the post as head of this department. Rockefeller comes from Asbury Park, N. J., is in Course II, Mechanical Engineering, and is a member of the Sigma Chi Fraternity. Last year he was elected Associate Business Manager on Technique 1922. He succeeds C. L. Phillips '22 who failed to return to the Institute this term.

The fall business and editorial competition for freshmen will open on Wednesday, October 13. Candidates will report at 5 o'clock at the Technique office.

CALL CIRCULATION MEMBERS

Freshman members of the Circulation Department of THE TECH and candidates will report to room 310, Walker Memorial today at 4 o'clock and tomorrow at 12.

Six Committees Named to Arrange Annual Autumn Get- Together on October 15—Speeches Will Acquaint New Men with Various Activities

TECH SHOW WILL FURNISH MUCH OF ENTERTAINMENT

The annual All-Technology Smoker, held soon after the opening of the fall term in Walker Memorial, will come this year on Friday, October 15. The customary entertainment and refreshment will be augmented by several special acts under the direction of Tech Show. Many of the committees have already been formed, and plans are materializing rapidly.

Every year the Institute Committee takes upon itself the duty to welcome new students to the Institute at the monster smoker. Short addresses by men connected with each of the activities, speeches to acquaint the new men with the traditions and customs of the Institute, and boxing, wrestling, and vaudeville entertainment as well as specialty acts are the numbers on the program for which plans must be made. Most of the committees have been formed, and the remainder will be named as soon as is possible.

All of the entertainment, the refreshments, the smokes,—everything is free to the students, due to the student tax.

The program of entertainment along line of specialty acts is chiefly in the hands of Tech Show. Several sketches, directly adopted from last year's show will be put on, and it is probable that F. D. Gage '22 and H. J. Horn '22

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MUSICAL CLUB COMPETITION TO FILL VACANCIES OPENS

Competitions for the positions on the administrative staff of the Combined Musical Clubs for both Sophomores and freshmen are beginning Monday. Owing to the fact that two men elected last term have left the Institute an unusually good chance is open for those in the competition.

The Sophomore competition is being conducted to fill the positions of publicity manager and assistant general manager, which are now vacant owing to the fact that C. W. Hildreth '23 and E. M. Bolding '23 failed to return to Technology this fall. Men interested are requested by the management to report at the office of the clubs at 5 o'clock Monday evening.

The freshman competition, which also begins Monday, will fill the five positions of freshman assistants. All men who can play a saxophone, a cornet, read selections or otherwise furnish entertainment are requested to come out for the Specialty Acts competitions.

The clubs will take a short trip at Christmas and three or four concerts will be held in Boston and vicinity before then to get the clubs in trim.

COURSE I IN DEBUT

**Civil Engineering Society Plans
Smoker October 14**

The Civil Engineering Society is the first of the professional societies to announce its initial smoker of the year. The Course I men will open activities Thursday evening, October 14, in North Hall, Walker Memorial.

Details for the first meeting as well as plans for the year were discussed at a meeting of the officers of the society Wednesday afternoon.

It is expected that among the new members to be enrolled in the society this year will be the engineer officers from West Point who are taking the senior work in Civil Engineering.

A new custom of issuing tickets for the smokers this year has been decided on. These tickets are to be distributed by officers of the society and will be essential to admission to the meetings.

The program for the first smoker includes free eats, smokes, music by the society orchestra, solos by stars from the minstrel show at summer camp, and short talks by members of the Faculty.

T.A.C. STARTS DRIVE

**Every Institute Man is Asked
to Join Club**

Today starts the membership drive of the Technology Athletic Club, in which they hope to secure the co-operation of every Institute man towards putting spirit in Technology athletics. Not only will members of the organization be entitled to admission to all Institute athletic events, but they will participate in receptions given for visiting teams, smokers, dances and all social events given by the T. A. C.

Founded during the spring term of last year, the T. A. C. has been the leading organization to promote spirit and morale for Institute athletics, having charge of cheer leading and pep meetings. The memberships are on sale in the main lobby, Walker Memorial, and the club's office, 367 Walker, the charge being \$1.00.

R. F. Officer '22, president of the T. A. C. expresses the hope that every Institute man become identified with the club, not only for the good of Technology spirit, but for the advantages offered to the individual, physically and socially.

ADVANCED UNIT OF R. O. T. C. HAS ENROLMENT OF 150 MEN

**Building 30 Abandoned As a
Lecture Hall**

The Military Science Department is conducting a campaign for membership in the advanced R. O. T. C. courses at the Institute and Colonel Christian has been visiting classes of Juniors and Seniors explaining the purposes and benefits of the work. One hundred and fifty men have already enlisted in this branch of the service and the department hopes to enroll a greater number before the close of the term.

Men may sign up at any time before the end of the month and no one will be admitted to the course after the first term. Pay commences on the day of enlistment. At the present time each man receives 53 cents a day which continues throughout the summer amounting to \$340.00 by the time of graduation. Through the efforts of Major Clark those who attended the summer camp this year received \$47.00 more than students from any other college.

Work for the Sophomore classes in military science has already started and instead of holding classes in building 30 the lectures are being given in room 2-390. The first term will be devoted partly to infantry instruction in the theory of placing troops and partly to the study of signal corps instruments as used in combat. The second term Major Clark will give instruction in the work of the Engineer Corps. Coast Artillery will be given during the third term.

CALENDAR

Friday, October 8

5.00—Musical Club Tryouts, room 10-350.
5.00—1923 Tug-of-War, room 10-275.
5.00—1924 Tug-of-War, track house.
5.00—Sophomore Band, room 10-267.

Saturday, October 9

12.00—THE TECH Circulation Department, room 310, Walker.
2.00—Chess Club in Walker Library.

Monday, October 11

5.00—Musical Club Competitions, room 304, Walker.
5.00—1924 Football Manager's Competition, track house.

FIRST FALL NUMBER OF T.E.N. APPEARS NEXT MONDAY

SOPHS PLAN BAND

**1923 May Produce Musicians
For Field Day**

The organization of a Sophomore band to enhance the class' chances for victory November 5 has been undertaken by J. A. Pennypacker '23. Crew and football also have come to absorb much of the class' attention, both teams being fairly well off in the line of material and an early start.

Pennypacker, who wrote the song presented at the freshman banquet as Spring, has called a meeting of all 22 musicians in room 10-275 at 5 o'clock to-night. No instruments are required at this meeting and it is hoped that enough men will be present to permit the formation of a band of at least 20 pieces.

Six of last year's men have come out for crew practise. The football squad, with a majority of last season's men again in uniform, is holding daily practise on Tech Field. C. A. Branningham '23, captain as a freshman, is one of the strongest men boasted in the Sophomore pigskin lineup.

A. R. Holden, R. P. Bolster, A. J. Bruner, G. H. Smith, W. N. Webster, and R. L. Hershey will be some of the second year contenders on the cinders.

OPEN MANAGER'S COMPETITION

The competition for second assistant track manager is open to freshmen. 1924 men who wish to try for the position should report to M. N. Waterman '22 at the track house this afternoon at 4 o'clock.

SUSPEND CLASSES OCT. 12

Tuesday, October 12, being a legal holiday, the exercises of the Institute will be suspended.
(Signed), WALTER HUMPHREYS,
Registrar.

The Tech Engineering News will make its appearance for the first time this year on Monday morning when more than 4000 copies are put in circulation for the student body and Alumni. Although the price of single copies has been increased to twenty cents students may obtain it at practically the old cost by buying subscription books.

Among the features in this issue is a biography of Acting President Elihu Thompson by Professor D. C. Jackson of the Electrical Engineering Department, a close friend of Dr. Thompson.

A discussion of the proposed Great Lakes Tidewater Canal by H. C. Garfield is another important article included. This proposal to connect the Atlantic with the Great Lakes region is no doubt the greatest engineering feat ever contemplated.

Gerard H. Matthes of the class of '95 describes the work of the Miami Conservancy.

Tunnel Ventilation is a very pertinent problem especially in connection with the proposed tube to connect New York and New Jersey. The entire question of the ventilation of tunnels will be dealt with in this issue by A. C. Fieldner of the Pittsburgh Bureau of Mines.

ERECT STOREHOUSE FOR ACIDS NEAR BUILDING 4

Construction of a brick warehouse near building 4 for the storage of all the strong acids used in the chemical courses is now well underway. The structure will be one story high, with outside measurements of 49 feet seven inches by 33 feet four inches. The walls are to be built of the same light colored bricks as the rear of the Institute.

Work began last Friday noon and at the present time the concrete foundations have been completed. When finished, the structure will serve to eliminate danger in the main buildings due to corrosion of pipes by acids as well as any trouble from acid or gas fumes.