

## INSTITUTE FIVE PLAYS B. U. TOMORROW

First Big Home Game Likely to  
Be Hard Fought

### MEN IN GOOD CONDITION

Technology's basketball team battles Boston University tomorrow night in the first big home game of the Beaver cage season. The contest will be staged in Walker gym. The quintets seem very well matched and though exceptional basketball is not expected, a hard-fought game, in doubt until the final whistle, is looked for. A freshman game, with B. U., will precede the varsity conflict and is slated to start at 7 o'clock.

### Lineup Same as Against Tufts

Coach Allen will start the same five against B. U. tomorrow that went against Tufts last night. Cook and Captain Hubbard will hold down the guard positions. Gyp Blood will be at center, and Tillie Tonon and Dave Davidson will be in the forward berths. With the game being played on the home floor all the second string men will be in uniform and if things break so that Coach Allen can use them they will get a chance to show their mettle.

Captain Graves, the B. U. high scoring man, will be in his usual place at left forward with Worcester as an able assistant in the other forward position. George Jenkins, the visitor's regular center, is suffering from a bad foot and although he will start the game Warren Sullivan will be on hand to relieve him if necessary. Pettigill and Giblin will be at the guard posts.

### Visitors' Record Not Formidable

The B. U. quintet has not made a very formidable record for itself thus far. Its most important game to date was the contest with Holy Cross which resulted in a decisive victory for the midstate team. The Boston five played a good game under difficulties, however, as the referee is said to have been strongly partial to the home team. The defeat therefore may not mean much and at any rate Coach Allen has trained the Institute five to meet a clever combination preferring to take no chances on dope which should give his boys a clear margin.

The visitors' frosh quintet will come over with the Varsity and meet Technology 1925 before the main game. This will be the second chance for the Institute yearlings to show their ability, the outfit having beaten N. E. freshmen 13-11, and if they come up to the record of last year's freshman team the performance will be well worth watching.

### Dance After the Game

Lee Carroll's orchestra will furnish the music for a dance in the main hall, Walker, after the game. The frosh contest will get under way about 7 o'clock so it is expected that the dancing will begin shortly after nine to continue until twelve. The basketball management secured the main hall for the dance because of the criticism of the gym as a dance hall at last year's series of after-game dances.

Tickets for the dance and game may be bought separately if so desired. Pasteboards for the contest will be two bits to T. A. C. members and 50 cents for others. The dance will be half a dollar regardless of the clubs the purchaser may be affiliated with. All seats for the game are reserved and may be had before Saturday night at the M. I. T. A. A. office or from any of the assistant managers of basketball.

## SIMMONS CONCERT-DANCE TICKETS ON SALE MONDAY

Tickets for the concert-dance to be given at Walker by the Combined Musical Clubs of Simmons College will go on sale next Monday. They may be obtained at the Cooperative Society, at the Walker Memorial, or from any of the following members of the Cosmopolitan Club: A. L. Guerrero '23, H. A. Miner '22, T. B. Drew '23, Kehay Shoda '22, Guimaraes Atahualpa '23, Prasob Sukhum '23, and J. A. Frank '23. Dance orders will be issued a few days before February 3, the date of the dance.

## AERO SOCIETY ANNOUNCES OPEN ART COMPETITION

The Aero Society announces a competition open to all men who have any talent in the lines of free hand lettering and drawing. The result of this competition will mean positions on the managing board for the successful candidates. All men interested are to report to L. G. Taylor '23, in room 3-312, tomorrow from 10 o'clock to 11 o'clock or on Monday from 1 o'clock to 2 o'clock.

## PRIZES AWARDED FOR TECH SHOW POSTERS

Cash Awards Made to Designers  
of Best Posters and Covers

### FIVE DOLLARS GIVEN WINNER

Prizes have been awarded to students in the department of architecture of the Massachusetts Institute of Technology for the best designs for Tech Show posters, score covers, and stage settings as follows: poster, Roger Hayward '22, of Keene, N. H.; score cover, Georges R. Wren '22, of Petrograd, Russia; interior setting, John A. Frank '23, of Pittsfield, Mass.; exterior setting, Ilya M. Georgevitch '22, of Zaytchar, Serbia. The poster and score cover awards carry prizes of \$5 each and the winners of the stage setting competition will receive points toward their degree. The adjudication was made by J. Monroe Hewlett of the firm of Lord & Hewlett of New York City, who came to Boston especially for the purpose at the invitation of Professor William Emerson, head of the department. He gave his criticism before the contestants so that they might have the benefit of his judgment.

### Prof. Emerson Gives Foreign Pictures

Professor Emerson has presented to the library of the architectural department a collection of some 700 photographs, which he obtained last summer in Europe. These have been mounted and are available for the use of the students.

## DEAN ALBERS TO SPEAK AT CHEMICAL SOCIETY SMOKER

The Chemical Society has announced the date of its next smoker as Tuesday, January 17. Dean Homer Albers of the Boston University Law School will be the speaker of the evening. The society is trying to secure some movies showing the manufacture of sugar from the cutting of the cane down to the final stages of refining. Plenty of smokes and refreshments will be available.

Dean Albers is a lecturer of some note and is particularly well fitted to speak to an audience of Institute men as he has had experience in speaking before technical and engineering societies. His talk Tuesday will be on a cultural subject but will undoubtedly be presented so as to be of interest to a technical audience.

## FAMILIAR CARTOONS WILL ADORN NEXT VOO DOO

"O' mi Gosh," "Hambone," "Dalink" and "Hercules" all Present

Our engineers are to be presented with the Newspaper number of Phosphorus in the immediate future. This number contains a large number of cartoons showing how the engineer illustrator would handle the problems of the daily "sheet" cartoonist. It is thought by the artists that the students will have little trouble in identifying the similarity between their work and that of the well known professional group.

The cover, the editors feel assured, is well in keeping with the general tone of the number and is done in the usual inimitable style.

## 1923 TECHNIQUE SIGN-UPS PLACED ON SALE MONDAY

Next Monday morning beginning at 9 o'clock the annual drive for this year's Technique will begin. Sign-ups can be obtained in the main lobby all day from 9 o'clock to 5 o'clock. The price of the sign-ups will be, as usual, \$1.00, with the redemption price of \$2.50, making a total price of the volume only \$3.50. A copy of Technique cannot be had by anyone without first buying and redeeming their sign-up.

This year's copy of Technique will contain many new and interesting features. The cover will be somewhat different as it will be more elaborate than in previous years. An improvement will be made in the grade of paper. A greater supply of all kinds of pictures will be present, including quite an additional list of both personals and impersonals. The entire volume will be added to in many new details and, as usual, all records will be printed.

## TECH SHOW ENDS MUSIC AND LYRIC COMPETITION

All Manuscripts Are Due Today  
by 5 O'clock

### MANY AUTHORS DESIRED

Ever since the name of the Tech Show 1922 was announced last October, a large number of men have been working on the music and lyrics for "The Sacred Cow." The fruits of this work are now due. This afternoon at five o'clock is the time set for the final submission of manuscripts. Every fellow who has any music or lyrics which can be used in this year's Show is to hand them in at the Show office in Walker Memorial at that time.

It is the belief of the managers of the Show that Technology has made a name for itself in the musical world by the songs which are every year a feature of the production. The outlook for the coming Show is bright. "The Sacred Cow" should have music equal to the high standard set by previous Tech Shows.

Many of the men who have been represented by their writings in former shows, are submitting pieces for consideration this year. The new men more than make up for those lost by graduation. The management desires as many different successful authors as possible.

Frank Gage '22, A. H. Stevens '22, and J. H. Randall '22, compose the committee in charge of this year's music.

### WALKER MAY REDUCE PRICES

The Walker Dining Service announces that a further reduction, the third this year, in the price of meals may be possible if the patronage of the cafeteria continues to increase as fast as it has been during the past few months. The dining service also calls attention to the five dollar coupon books which may be purchased during the lunch hours in the cafeteria. By using these coupons it is possible to save almost ten per cent on the cost of meals.

## FISHERIES COURSE HAS NEW SERIES OF LECTURES

Oceanography and Allied Subjects Announced As Topics

### H. M. NIGHTINGALE TO INSTRUCT

Professor S. C. Prescott, in charge of the department of biology and public health at the Massachusetts Institute of Technology, announces a course of lectures in the newly established fisheries course to be given in January and February by H. W. Nightingale '14, on oceanography and allied fisheries subjects.

Mr. Nightingale has investigated fisheries problems from Labrador to Panama. He served as naturalist for two seasons on the international ice patrol in the U. S. Revenue cutter Seneca, conducting oceanographical and fishery observations on the Grand Banks of Newfoundland and the coast of Labrador. He was allied with Dr. Johann Hjort, director of fisheries of Norway, in similar work on the Canadian cutters Acadia and Princess in the Gulf of St. Lawrence and along the west coast of Newfoundland. He has also made scientific observations covering several years concerning soft clam culture in Plymouth Harbor, Mass., and quahaug culture at Cape Charles, Va. He was later detailed on an oyster survey in the Gulf of Florida. During three years' service in Panama he conducted investigations concerning the destructive action of Teredo, a mollusk which does damage to the planking of wooden vessels. At this time a study of the corrosion of the sea gates at Gatun Locks was made. Mr. Nightingale has had actual experience in fishing boats out of Gloucester and Boston and is familiar with practical as well as theoretical fisheries problems. Demonstrations in the use of oceanographical and of fishing appliances will be given in connection with the course.

## CENTRAL AND VAIL LIBRARIES SECURE ADDITIONAL VOLUMES

The Central Library reports the addition of a number of new 1921 and 1922 volumes. The mechanical engineering works included on the list are: "Motor Truck Transportation," by F. van Zee Lane, "Safety in Building Construction," by the Travelers' Insurance Company, "Graphical Analysis," by W. S. Wolfe, "Heat Transmission in Boilers" and "Heat Transmission by Radiation," by R. Royds, "Analytical Mechanics for Engineers," by Ensign Seely, "The Formation of Colloids," by T. Svedberg, "Deep Well Filling," a geological work, by W. H. Jeffrey, 2 volumes of "A History of European and American Sculpture," by C. R. Post, and "Small Houses," by E. Flagg. The last two books are to be found in the Rogers building.

"The Human Factor in Business" and "Resources of the Sea," by B. S. Rowntree and W. C. MacIntosh, respectively deal with economic problems, while "A History of the Theatrical Art," by K. Manzies and "Kashmir in Sunlight and Shade," by C. E. Biscoe, are of a more literary type.

### Rare Work in Vail Library

The Vail Library is the possessor of one of the first volumes ever published on the subject of aviation, Walker's "Art of Flying" or, in full, "A Treatise on the Art of Flying by Mechanical Means," with a full explanation of the natural principles by which birds are enabled to fly, likewise instructions and plans for making a flying car with wings in which a man may sit and, by working a small lever, cause himself to ascend and soar through the air, has been spoken of as "An unknown New York reprint of one of the rarest books on English aviation." It was published in 1814.

## ARCHITECTS TO GREET NEW INSTRUCTOR AT SMOKER

A smoker of the Architectural Society is to be held in the common room of the Rogers building on Wednesday, January 18, at 8 o'clock. The smoker is in honor of M. Albert Ferran, the new instructor in the department of architecture.

M. Ferran, who was awarded the Prix de Rome last year, comes to Boston to take charge of the Department of Design at Technology. He will speak to the society on the customs and life at the Ecole de Beaux Arts in Paris. A special invitation is extended to the freshmen of Course IV in order that they may meet M. Ferran and become acquainted with the society.

## TECHNOLOGY BATTLES DALHOUSIE TONIGHT

Veteran Halifax Combination  
Will Show Nova Scotian  
Style of Hockey

### BOTH STRONG ON DEFENSE

The Dalhousie hockey team, champions of Nova Scotia, will play Technology's outfit at the Boston Arena tonight at 8 o'clock. The Canadian puck-chasers are veterans, very skillful skaters and mighty handy with the stick. They are expected to show the real Nova Scotian brand of hockey and are picked to trim the Beaver combination.

The outfit from Halifax will use five of last winter's team tonight while four of the Engineers skated for the Institute last year. The showing the Beavers made at New Haven, winning from Yale 1-0, has boosted estimates of the sextet's power and Dalhousie will be forced to show its full hand this evening.

The visitors have kept very quiet since their arrival on Wednesday. The team had a workout yesterday morning at the Arena and Coach Hayden reports everybody well satisfied with the scene of tonight's battle. One point noticed was the rounded corners of the rink. Part of Dal's tactics consist in opening the defense at the opposing end of the rink and the lack of corners makes quite a difference in the situation.

### Rate Halifax Net-Man High

Both team's captains are goal-tenders. Duke McIsaac, from Halifax, is a very polished performer though he didn't show so well amid the new surroundings yesterday morning. Duke will probably hit his pace tonight and that pace is well worth watching according to all reports from the Maritime Provinces. He is rated as one of the top-notchers down that way.

Technology is equally well represented in the net by Hugh Nickle. Hugh was a sensation in every one of the Engineer's matches last winter and is playing right up to par.

One of the features of tonight's (Continued on Page 3.)

## COMBINED SMOKER ATTRACTS LARGE NUMBER OF STUDENTS

Approximately 155 men attended the combined smoker of the Civil Engineering Society and the Engineers Unit of the R. O. T. C. held last evening at 8:00 o'clock in the north hall of Walker Memorial.

The first speaker of the evening was Dean Talbot who reviewed the honor system now in vogue at the Institute. He was followed by Colonel W. Willing who gave a descriptive lecture on the government work along the Mississippi River. This lecture was supplemented by a large number of photographs and maps.

As an added attraction to the entertainment of the evening the gathering enjoyed a boxing bout between P. M. Phillips '22, of the 135-pound class and E. H. Moll '24, of the 145-pound class.

During the evening the audience enjoyed music by a local orchestra and all joined in a short sing. Ample smokes were distributed among the men before the affair. Refreshments consisting of ice cream, apple pie, and coffee were served.

The committee in charge of the affair was made up of S. G. Thomas '22, representing the R. O. T. C. and E. S. Averell '23, representing the Civil Engineering Society.

## COL. CHRISTIAN GOES TO PANAMA WITH MAJ. MAISH

Colonel J. B. Christian, in charge of Military Science department, and Major A. W. Maish, in charge of the Ordnance unit, have gone to Panama on leave of absence. Colonel Christian's leave is for two months, his return being expected on March 12. Major Maish will stay three months, returning the first of April.

## CALENDAR

Friday, January 13  
8:00—Interfraternity dance, main hall, Walker.  
8:00—Varsity Hockey, Dalhousie, Boston Arena.  
Saturday, January 14  
7:00—Varsity basketball, Boston University, Walker Gym, dance follows game.  
Monday, January 16  
5:00—Meeting for Voo Doo candidates, room 309, Walker.  
Wednesday, January 18  
6:00—Faculty Club dinner, Faculty Dining room, Walker.  
Thursday, January 19  
8:00—Dorm dance, main hall, Walker.  
Friday, January 20  
8:00—Catholic Club dance, main hall, Walker.

## Should the Student Tax Be Raised?

### COLLEGE SPIRIT

College spirit is something that exists only for college men and knows no bounds of race or nationality. It depends for its life on the spirit of comradeship between men who are working together toward a common goal. It is one of the most important things in the life of every college man and should, therefore, be carefully fostered.

This spirit finds an expression in the activities, the doings of the student body. To carry on these activities money is needed. Hence the so-called "Student Tax." This is really not a "tax," then, but a contribution of membership dues to the Undergraduate Association consisting of the entire student body. The fact that its payment is required simply means that the student body recognizes the importance of the school spirit and is using this means of caring for it.

Membership in the Undergraduate Association carries the following privileges: suffrage rights in the classes, eligibility for election to the Institute Committee, use of athletic facilities, and health insurance. The proposed raise in the Tax has nothing to do with the tuition and laboratory fees. It is purely and simply an increase in the membership dues of the Association to meet the needs and better carry on the spirit of Technology.

No. 9

WATCH THIS SPACE!