

## CLUBS ALL READY FOR BIG AUDIENCES AT WINTER CONCERT

**Ticket Sale Results Promise  
Full Ballroom at Hotel  
Somerset Tonight**

### TO USE BANNER SYSTEM

**Several Fraternities Reserve  
Blocks of Seats For  
Performance**

According to the results of the ticket sale for the Combined Musical Clubs' Winter Concert, the Louis XV Ballroom of the Hotel Somerset will be filled to capacity this evening. Quite a few of the fraternities have reserved sections of seats for the affair, which is scheduled to begin at 8.15. The concert will last from 8.15 until 9.45 o'clock and the dancing from about 10 until 3 o'clock.

The Winter Concert is the second of the four big concerts on the clubs' schedule for this season; the Tech-Dartmouth Concert, which is due to occur about the beginning of March, and the annual Spring Concert, which occurs during Junior Week, still remain the feature performances which the clubs will handle this year. As social events go, the Winter Concert is and has established itself as the main social event of the second term, so that it has almost become the thing for those interested in such things to take in the concert each year.

#### Bert Lowe Will Play

A slight departure from policy has been tried by the clubs this year in hiring an outside orchestra to furnish the music for the hop following the concert, since last year the clubs' own dance orchestra served in that capacity. The dance program by Bert Lowe and his orchestra will consist of twelve numbers and four extras. The ballroom will be decorated with fraternity banners in the same manner as last year. Suggestion is also made to the effect that these banners may be utilized as places wherein it will be convenient to meet for the purpose of exchanging dances. With a goodly number of stags present it will, of course, be impossible to run the dance as a strictly program affair but dance orders will be furnished for the convenience of those who wish to or who have already arranged dances for the evening.

Among the patrons and patronesses for the concert are many prominent alumni and others of note in Boston. Mrs. H. P. Talbot, Mrs. H. G. Pearson, and Mrs. J. W. Rollins have consented to act as matrons this evening.

## COLONEL MACOMBER '07 WILL ADDRESS S.A.M.E.

### Lieut. Col. Leonard Will Also Talk at Mid-Winter Smoker

M. I. T. Post of the Society of American Military Engineers will hold its mid-winter smoker next Tuesday in North Hall, Walker, at 7.15 o'clock. All interested are invited to attend this smoker of the Society, which is composed of all engineer officers of the Regular Army, National Guard, and Reserve Corps. The M. I. T. Post consists chiefly of members of the Engineer Unit of the R. O. T. C.

#### Colonel Alexander Macomber '07 Graduate of Course VI

Speakers at the meeting will be Lieutenant Colonel H. Leonard. Colonel Macomber, who is a graduate of course VI, is vice president of the M. I. T. Alumni Association and alumni treasurer of the Alpha Tau Omega Fraternity. Professionally he has been associated with the Southern California Power Company, W. H. Jackson of Boston, and C. H. Kenney of Boston. Since 1920, he has been senior member of the firm of Macomber and West, consulting engineers. Colonel Macomber is also a member of the board of Governors of the Engineers Club of Boston.

Colonel Leonard of the 101st Engineers, Massachusetts National Guard, served during the war as a captain in the 6th Infantry of the regular army.

**Class Room and Laboratory Exercises scheduled for the 9-10 hour tomorrow will be omitted to afford opportunity to view the eclipse. Exercises scheduled after 10 o'clock on that date will be held as usual.**

## Eclipse Will Bring Us Very Sore Eyes

"If any of you are planning to view the eclipse on Saturday I suggest that you go into the chem laboratory and smoke a watch glass," stated one of the prominent professors at the Institute before delivering his lecture yesterday. "Without this preliminary procedure, you will probably get headaches larger than you ever thought you had room for in your head," he continued. Some of the students expressed the opinion that smoking glasses would give bigger headaches than viewing the sun with the naked eye. Others were uncertain whether to smoke the glasses in corn-cob pipes or the more heat-resisting clay ones.

## OSTERHOUT GIVES SEDGWICK LECTURE

### Speaks Tonight in Rogers on "Problems of Cellular Physiology"

Professor W. J. V. Osterhout of Harvard University will deliver the third of the annual Sedgwick Memorial Lectures at Huntington Hall, Rogers Building, at 5 o'clock this evening. His subject will be "Some Fundamental Problems of Cellular Physiology" and will be based on some recent discoveries which the noted biologist has made in connection with his research work in the tropical waters around Bermuda. All those interested are invited to attend.

#### Describes New Organisms

The lecturer plans to divulge to his hearers with the help of several illustrations the latest particulars concerning certain strange and new one-celled organisms which it has been his good fortune to discover on the many trips which he has made annually to warmer waters. Although he is at present professor of Botany at Harvard, Professor Osterhout will soon be working with the Rockefeller Institute of Medical Research, where he has received an appointment to a research position.

This year the lecture is given in the interests of pure science. However, the Sedgwick Lectures alternate yearly between subjects relating to pure science and those pertaining to applications of pure science such as Public Health. This is done because of Professor Sedgwick's great interest in applied as well as pure science.

## Work of Clinic Is Described In A New Bulletin

Parents and prospective students are being sent a reprint from The Technology Review on the care of student health, written by A. W. Rowe, '01. This booklet describes how the Medical Department came into being, the work it is now doing, and the service which it renders to the student body.

Under the Continental plan of education, the school is concerned with education and nothing else. The English plan on the other hand, is paternalistic. Education is vital, but the health and general life of the student is also looked after. Technology is combining these two systems. It does not undertake to feed and house the student body, but a determined effort is being made to keep the scholars in good health.

#### Athletics Indispensable

The Medical Department, now headed by Dr. G. W. Morse believes that athletics are indispensable, but that they do not reach everyone. The authorities are therefore examining all first year students, and beginning with the class of '25, all seniors will be given a physical examination, which will give statistics showing the effect of four years of study. One out of every five men examined has something the matter with him, sometimes of a permanent nature, but often matters like incorrect posture, overweight, and other remediable troubles. These men are put in a special gymnasium class which often works wonders on them.

For the benefit of the men away from home, not used to getting something fit to eat in the average restaurant, the clinic is running a class in nutrition. The men are examined and health charts are kept, so that with proper eating, observance of the rules, and the right kind of exercise, the members show improvement.

## SECOND FRESHMAN LECTURE GIVEN BY J. P. MUNROE '85

**"Puritans and Pilgrims Are As  
Different as Vinegar  
is From Milk"**

### BOSTON A STATE OF MIND

**"Massachusetts is a Center of  
Education and Culture  
for Students"**

"Boston never offers anything," declared J. P. Munroe, '85, secretary and life member of the Corporation, in his talk to the freshmen yesterday on "Boston and the Student." Mr. Munroe said that the title, "Boston and What It Offers," which had been given his lecture was erroneous as a person had to dig for anything it got out of Boston.

He went on to give a very vivid and often humorous story of the history of Boston and showed how the very active part it played in the founding of this Republic is evidenced and made very real by the many buildings and landmarks of great historic interest about the city.

#### Boston a State of Mind

"The statement that Boston is a state of mind is quite true," said Mr. Munroe, explaining that this fact came from the state of mind of the Puritans who settled here. Many people, he said, make the mistake of considering synonymous the terms Puritan and Pilgrim. The two groups of settlers were very unlike both in character and ideals and "mixed about as well as milk and vinegar." When they came over from England in 1630 the Puritans were considered as snobs and had a right to be snobbish, said Mr. Munroe. They came from the upper gentry of England and sacrificed a great deal in coming to this country, bringing much furniture "which some of us have inherited and which some of us think we have inherited." They first settled in Salem but because of the poor harbor there and because Shawmut, now Boston, seemed a much more favorable location, they settled here finally. A certain Blaxton owned the property and sold it to the Puritans on the condition that his pasture should not be settled. That pasture was what is now Boston Common.

#### How Salem Street Has Changed

Although they had been driven from England by the intolerance of the Stuarts, the government they set up here was an aristocracy of the Church and just as intolerant as had been that of the Stuarts. In connection with the religious history of the colony a visit to the Berkeley and Marlboro street Church, said Mr. Munroe, would be of great interest. Mr. Munroe then suggested that a delightful Sunday afternoon could be spent in walking down Salem street, recalling that it had once been the fashionable district of Boston. He named several places of interest to be visited in that district. There are three buildings in Boston that should not be missed, he said. They are Fan-

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## MODEL CONTEST PRIZES GIVEN TO COURSE X MEN

### Awards Are Made For The Best Toy Carbon Molecules

T. A. Mangelsdorf '26 and N. C. Hill '26 were announced as the winners of the first and second prizes respectively offered by Professor F. J. Moore in his contest for the best set of four carbon tetrahedral models. Both students are Course X men. The construction of the models was a required part of the course, Professor Moore believing that this would be the best means to make the students better acquainted with the principles of isomerism, double bond linkage, and the actual alignment of the atoms in the carbon molecule.

Mangelsdorf's models were constructed of wood rods and wood balls, the latter being colored to distinguish between the different groups which might be represented. The double bond connections were made by means of rubber tubing. Hill's models were made of various colored wood beads, representing different groups or elements, copper and tin alloy wire, and sealing wax.

## B. U. SEXTET NOSES OUT TECHNOLOGY HOCKEY TEAM AT THE ARENA WEDNESDAY

### AERO SOCIETY TO HEAR WORLD FLIGHT LECTURE

At the Aeronautical Engineering Society smoker Tuesday, Lieut. R. J. Brown will lecture on the world flight. The lecture will be illustrated with moving pictures and lantern slides.

Lieutenant Brown understands this subject thoroughly for he was chairman of the World Flight Planning Committee, which organized and supervised the circumnavigation of the globe. He has had considerable experience in the U. S. Air Service himself.

## SWIMMERS TO MEET ARMY AT AMHERST

**Squad Leaves for Week-end Trip  
Today—Johnson and Woods  
Expected to Star**

This week-end the Beaver swimming team meets two formidable opponents in Amherst and West Point. The engineers, though not starting the season conspicuously with defeat at the hands of Yale, still showed considerable strength. Yale had an exceptionally strong team, and was no test of the swimming team's true strength. Against a team of their own class, such as Amherst, they should be able to turn in a very creditable performance. Several of the men have already shown improvement since the Yale meet.

#### Johnson Improved

The most notable improvement is Ralph Johnson in the backstroke. In the Yale meet, he beat the best time that he made before in the 100 yard backstroke. At the present, he is turning his effort to perfection in the 50 yard swim. Already he has cut his

(Continued on Page 4)

## PLANS FOR OPEN HOUSE NIGHT ARE UNDER WAY

Plans are already being formulated by a committee of ten from the Combined Professional Societies for this year's Open House Night. The committee has consulted with Doctor Stratton with regard to the time of the event, and it is now expected that it will be held between the second term examinations and the spring recess.

Doctor Stratton expressed himself as being in favor of another Open House and offered to cooperate with the committee in arranging the time and a program. This evening is arranged for the purpose of giving every Technology student a chance to see other laboratories than the ones in which he works and at the same time giving outsiders interested in the Institute an opportunity to see how their pet subject is handled here. The sight seeing tours will be under supervision of the committee and will be arranged to suit the desires of the visitors.

Last year over 2000 people from outside the Institute visited here on Open House Night. All the laboratories were open and several arranged special demonstrations and exhibits. The Dynamo, Testing Materials, Steam, and X-ray laboratories attracted the most attention.

On the committee in charge of arrangements are Stuart John '26, chairman, Harrison Browning '25, Glennon Gilboy '25, G. G. Davidson '26, J. L. Maury '25, S. V. Gilligan '25, W. H. Emerson '26, R. F. Johnston '25, R. F. Needham '25, and E. A. Milne '25.

## SCABBARD AND BLADE HAS ITS FIRST MEETING

At the first of the semi-annual initiations into G Company, 5th Regiment of Scabbard and Blade, national honorary military fraternity, held in the Faculty dining room of Walker on Tuesday night, the following men were initiated: J. H. Rountree '25, W. W. Peterson '26, E. C. Jones '26, Glennon Gilboy '25, J. B. Oakley '26, G. W. McDuff '26, and F. C. Hastings '25.

## TERRIERS BREAK FORMER GAME TIE BY SCORE OF 2-1

**Game Is Fast Throughout With  
Randall Scoring for  
Engineers**

### HAVE WEEK-END GAMES

Boston University's hockey team nosed out the engineer sextet 2 to 1, in a fast game played on the Arena ice surface Wednesday night. Both teams were evenly matched and it looked much like the game when the engineer, and the terrier deadlocked in a 3-3 tie at the Arena last December.

Technology's delegation played a good offensive game and the Beaver forwards were aggressive throughout. The game had hardly started when Randall of Tech caged Berkeley's rebound for the initial tally of the game.

#### Kontoff Brothers Missed

In the early part of the second period, Gregoire, fast skating forward of the Terrier sextet, took a pass from Lawless and evened the score for the Boston team. Gregoire again scored towards the latter part of the second session after he had jumped a lone decisive man on the engineer team.

The second period ended with the B. U. team leading the Technology outfit by one point and the same score which terminated the game. After the second period, no further scoring was done by either team. Crandell and Berkeley played a wonderful game in the defense positions for the engineer delegation. Johnnie Deignan played well in front of the net, frequently stopping sure shots for the goal. Morton played throughout the entire game at center.

The Kontoff brothers, Captain M. Kontoff and J. Kontoff were noticeably missing from the B. U. lineup. Their absence was compensated somewhat by the presence of Gregoire in right wing position. Because of complications with the faculty he did not play in the B. U.—Technology fracas last December but last Wednesday night he was going strong. He accounted for both of the Terrier points.

Over the week end the engineer sextet will meet two collegiate hockey teams. Today, they come up against Cornell outfit at Ithaca and tomorrow they are scheduled to play at Hamilton College, New York.

## CIVILS TO HEAR HEAD OF POWER COMMISSION

### Civil Engineers Invited To Hear Colonel Birdsey

Mr. O. C. Merrill '05, Executive Secretary of the Federal Power Commission, Washington, will address the Civil Engineering Society next Friday evening. The Federal Power Commission is composed of the Secretaries of War, Interior, and Agriculture, and exercises general control over future development of water power interests of all navigable rivers, public lands, and reservations in the United States.

Mr. Merrill has been Executive Secretary of the commission since its organization, and has been connected with all the work of the commission.

Next Wednesday the Boston Society of Civil Engineers is to hold a meeting in Tremont Temple, at which Colonel Birdsey will give a talk on "Surveying in the Grand Canyon," and the Technology Society has been invited to attend.

## CALENDAR

**Friday, January 23**  
1:30—Chemical Society trip, starting from 4-173.  
3:00—Automotive Eng. meeting, room 10-200.  
3:00—Corporation XV inspection trip.  
4:30—Choral Singing rehearsal, room 5-330.  
5:00—Sedgwick Lecture, Huntington Hall.  
8:00—Winter Concert and Dance, Hotel Somerset.  
**Saturday, January 24**  
2:00—Fencing Team picture for Technique.  
**Monday, January 26**  
8:00—Menorah Society Smoker, north hall, Walker.

A Record of Continuous News Service for 43 Years



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AN OLD QUESTION

ACCORDING to the Williams Record, America is seriously in need of a clarification of the purpose of a higher education. This paper took a strong stand in an editorial recently published criticizing Williams for its ambiguous curricular policy.

It is true that Williams, in common with the great majority of all American academic colleges has, in response to the popular demand, made its curriculum more practical by the elimination of some of the "humanities" and the substitution of economic and kindred subjects.

We are not concerned with this criticism of Williams. It is conceivable that there should be those who wish to keep the college humanistic, as it has been in the past. However, the assertion that professional, technical and business training is not the prime purpose of a college education is incompatible with our views.

PROCRASTINATION

THE eternal putting off until tomorrow what could well be done today has caused more than one flunk. If an honest investigation could be made, it would be found that the big majority of flunks at our universities and colleges are caused by this one habit.

"Students continually complain of the long assignments, and that they haven't the time to devote to certain courses because too much work is expected of them. In some instances this is the case, but in equally as many, the reason that the student hasn't the time is because he has put off doing that which should be done for something more pleasurable.

"We are supposed to be men by the time we have reached college, and the habits we have formed and are forming now are the ones we shall always carry through life. A little sacrifice on our part of the things which we enjoy the most for the time being for the things which we would rather not do, (a little more conscientious study), and several unnecessary flunks would be eliminated."

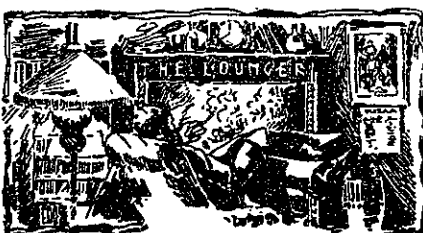
The above editorial is reprinted from The University Daily Kansan because it is so full of truths about conditions that exist at the Institute. It applies to many of us, and we hope some of our undergraduates will profit by the words of advice from the middle west.

AN INCREASED STUDENT TAX

THE question of a student tax has a perennial recurrence. The activities which are financially dependent upon the student tax, in dreaming of new worlds to conquer and slightly blinded by the brilliance of their dream, see no reason why there should not be a higher tax. Opposing this viewpoint are those who are unalterably against any act that will increase educational costs.

Several years ago a student committee compiled an exhaustive report on the student tax and its application. In considering the question it is of primary importance that this report be consulted. In it there is a wealth of material on all student matters and an accurate picture of the tax situation.

The two most important considerations are the imminent need of several athletic activities and the opposing high cost of things educational. The adequacy or inadequacy of the present tax is productive of much talk—do athletics need the extra money as much as do the students? Should those that participate pay more than those who cannot? Is the present cost of going to Technology excessive in view of the fact that several of the nearby major institutions have recently increased student expenses?



How to keep awake in these after-lunch lectures has always been a weighty problem at Technology. The latest wrinkle is to take about six or eight cups of strong coffee at lunch, and trust to the sleep resisting powers of that potent drink to ward off those cat-naps that are so annoying when you wake up with a start just as the lecturer is looking at you with a vengeful, baleful glance.

And snow covered the landscape with its lovely mantle of white purity. As one of the members of our English Department quaintly put it, "This guy wot wrote that warn't brung up in no city!" The Lounger concurs in which belief without reservations.

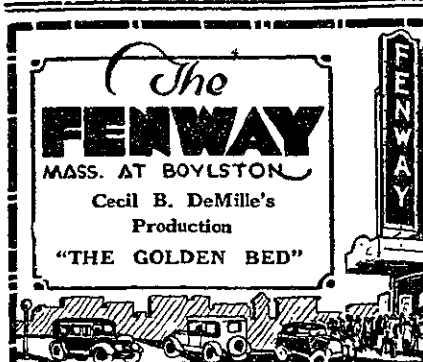
The Lounger has always wondered where the idea of having a three mile limit originated. It seems that when that distance was adopted, it was because three miles was the extreme range of any cannon then thought practicable for coast defense.

The Lounger never ventures into verse—he has neither the poetic soul nor the feminine inspiration. He is, however, impressed by the following which belatedly expresses some poignant feelings for a few of us: Down! Down! Down! Down to the depths of despair, Crushed by the gods of chance, The fates of circumstance, My soul sinks on and on, Polycon! Heat Applied! One by one they've come and gone 'Till deep within the depths I bide, Each mail I meet With heavy feet, Fore God! A "nine" With joy I'd greet, And never more Will I set store, By sudden spurts of midnight oil And one lone week of ceaseless toil.

The Lounger is loath to think of what the results would be should the astronomers have missed their calculations about the eclipse. In the popular mind the Newtonian hypothesis would go up, with a bang. Science would receive the worst blackeye in history, and superstition would be rife.

Play Directory

- COLONIAL: Earl Carroll's Vanities. Last three times. COPLEY: "The Dover Road." Amusing comedy of elopements. HOLLIS: "The Rivals." A splendid production. Last three performances. MAJESTIC: "The Dutch Girl." New musical comedy, from Europe. PLYMOUTH: "Cobra." Very gripping. Last three times. ST. JAMES: "Cock o' the Roost." Youth, brains, and nerve. SELWYN: "White Cargo." Striking story of tropical life. SHUBERT: "Greenwich Village Follies." Good, as usual. TREMONT: "Be Yourself." Mountaineers and things. WILBUR: "The Wife Hunter." Rustic comedy.



Photographing the Eclipse with Hand Cameras Not Hard

By S. G. SIMPSON '16 Chemistry Department

Many photography enthusiasts are apparently anxious to obtain a photographic record of the eclipse of the sun next Saturday. Most of them, however, have no idea of the proper way of obtaining such pictures nor what the exposure factors are under the existing conditions.

A simple method of obtaining a record of the successive stages of the eclipse is to fasten the camera horizontally to a rigid support so that at the beginning of the eclipse the image of the sun is in the lower right-hand corner of the finder.

To photograph the corona, expose for ten seconds at about F. 8. For suggestions as to possible methods of photographing the "shadow bands" and "Bailey's beads" which accompany the total eclipse and which have never been photographed, see "American Photography" for January 1923 and November 1922.

HEYMANS WILL ADDRESS PROVIDENCE ENGINEERS

At the next meeting of the Providence Engineering Society, to be held Tuesday, January 27, Professor Paul Heymans of the physics department will speak, taking as his subject, "Photo-elastic Methods of Determining the Causes of Failure in Metal Structures."

ECLIPSE DANGEROUS TO UNPROTECTED EYESIGHT

Observers of the eclipse of the sun must take special precautions to safeguard their eyesight, according to a warning made public recently by Dr. Free, of the American Astronomical Society.

In the past eclipses have left a toll of permanently impaired visions. This eclipse, which will probably be viewed by the largest number of people who have witnessed a like phenomenon, will cause widespread injury unless observers take the proper precautions.

At all times during the eclipse while a portion of the sun is exposed, the eyes should be protected by smoked glass, or the dark portion of a photographic negative.

"It is not necessary to cover the eyes during totality," said Dr. Free, "The glorious corona, the light which is thrown outward by the sun in amazing variety of design and color, may be witnessed with the naked eye. As well as being the crown of the sun, when it is hidden by the moon, the corona is the crown of beauty in an eclipse."

All freshmen who are underweight are urged to join the Medical Department's nutrition class. Letters were recently sent to the freshmen who proved to be under the average weight in the physical exams by the nurse in charge of the class.

Follow the Man to Cook's For a Tour Through Jazzland IN THE NEW AMBER ROOM

(T. D. Cook's, 150 Boylston St., Boston)

IN THE HEART OF THE THEATRE DISTRICT, WHERE BEFORE THEATRE, DURING THEATRE AND AFTER THEATRE, GAVETY REMAINS SUPREME

DINNER-SUPPER

Dancing 6 P. M. to 1 A. M.

Novelty Music By DOK-EISENBOURG

and his

SIMFONIANS

Broadcasting from the

Amber Room

thru WEEI

Your heart beats faster just to look at

Peter Templeton Hunt's Jazz

Decorations

UNRIVALLED MENU

THE STORE FOR MEN

Washington St., at Summer

Take This Tip on a New HAT!

Some men buy a hat once a year whether they need it or not—but who wants to be that kind of a man?

When the old hat gets shabby chuck it in the discard—Just now we have a timely bargain in a soft felt hat for

3.95

You'd be surprised not to find it marked much more—a snappy Spring-of-1925 model in browns and grays.

CLOTH CAPS

A lot of good values marked down from regular stock to

1.35

STETSON HATS

The standard of hat value all over America. Best new shapes.

7.00 to 15.00

"The Store for Men Special"—7.00

Jordan Marsh Company BOSTON

# CREW NEEDS SPIRIT PLUS MEN

## Harvard Relay Squads Clean Up Engineers On Oval Track

### Bill Haines, Disappointed With Crew Spirit, Speaks Frankly to Student Body

Perhaps I am pessimistic, in any case I am very disappointed to see the way you men are turning out for crew work. Probably it is because you think that there has not been any regular call for rowing, or perhaps you think it is too early to come out for crew work, but the real reason is, indifference to the sport and to the efforts being made by the authorities of the Institute who, it must be said, are making every effort to give the undergraduates a chance to distinguish themselves in the sport of rowing. It must be awfully disappointing to these men, particularly those who are presenting us with new shells, new coaching launches and an endless amount of equipment, to find that the student body is so indifferent to the sport that you do not even make inquiries to find out if you could be of any use. One would think that with all these signs being displayed that you would at least show your appreciation by turning out in great numbers to make crew the major sport at the Institute.

#### Crew Campaign to Start This Monday

I regret that I have to write in this strain because I feel certain that a great many men do not understand the amount of time it takes to fashion crude and raw material into first-class oarsmen. There are a number of men who think that they only have to present themselves at the boathouse when the ice is out of the river and PRESTO! the coach will immediately turn them into experts. This is absolutely impossible. It is true that some men pick up the rudiments of rowing much quicker than others, but on the whole it takes an endless amount of practice and study to become a useful member of any one crew, therefore I am again appealing to you indifferent minded men to reconsider the above facts.

Next Monday, January 26, 1925, is "CALL" day for all candidates who are interested in the sport. This is my last appeal to candidates for this year, so kindly take advantage of it and report to the boathouse for work, and let there be real pep and spirit in all our undertakings.

There are several seats in the varsity boat that are vacant, or in other words I would say that the men now occupying those seats are by no means fixtures. I have no Junior varsity at present and the same can be said of the first 150 pound crew. There is no real second 150 pound crew and I need a lot of candidates to fill up these gaps. I have observed a number of men in the Sophomore Military Science who, I am given to understand, are not taking part in any sport. These men from my own observation are beautiful physical specimens and would make excellent oarsmen. There are champions among them for the trouble of coming to the boathouse. It was proved hundreds of years ago that the brain needs recreation, therefore physical exercise taken one hour a day will not only be beneficial to you men but to your studies also. Last year I handled some very crude material and shaped it into a very respectable crew of which, I believe, the members of the Institute were, and are justly proud. It is my hope and ambition to do still greater things this year, but the only way that I can possibly succeed is to have the cooperation of all the student body. We are very young in the rowing world, but it is not beyond the realms of possibility that with the cooperation of the men, that I expect to get after this article, it will be possible to make the Massachusetts Institute of Technology one of the leading colleges in rowing in the United States. I do not intend to rest or leave a stone unturned until this end has been accomplished.

#### Bill Haines Wants Men Behind Him

Rowing is not for a chosen few such as two crews, for example; a varsity and one 150 pound crew. Should we win, with only two crews, all the races scheduled for us this year it would not be a successful season, but, on the other hand, if I can interest three hundred men enough to take their daily exercise in the boathouse and not win one race, that to me would be a far more successful season than winning everything. Yes, we want to win races and we are going to win races, but we also want three hundred men to insure keen competition for every seat in the leading boats. The mere fact that on May 9th, next, the varsity boat rows against Harvard, Cornell and Pennsylvania ought to stimulate you men to your best effort. The sooner you fellows wake up and back me up in every way the sooner we shall get the desired results, therefore, if any man has red blood in his veins, a love of the Institute at heart and who wants to see the Institute take the place where it justly belongs, please present yourselves at the boathouse next Monday where we will all get together and pull in the right direction for a very successful season.

BILL HAINES,  
Coach.

For the last time Bill Haines is making his appeal for more men to come out for crew. As things look at the present time, the scarcity of men will cause the Beaver oarsmen to lose many races in the Spring. With such a heavy schedule coming in the last term, it is absolutely imperative that the men turn out in preparation for the numerous meets.

The mere fact that the Varsity will surely race the Navy, Columbia, Cornell, Pennsylvania, and Harvard ought to be quite an incentive to the men that are not already reporting to the boathouse. There are yet three or four places to fill in the Varsity boat, there is not a Junior Varsity organized, while both the 150 pound Varsity and the

second 150 pound outfit are practically empty. This means that there is a chance for many more inexperienced men to start in right now and make any one of these various crews. The coach is there, and all that is needed is the material.

#### Coach Out to Win

Due to the magnificent improvement of the Technology crews last Spring, many colleges have now considered them worthy of races in the future. On May 9, there was a triangular race scheduled between Cornell, Harvard and Tech, but now that Pennsylvania has been entered, it makes a four-sided

(Continued on Page 4)

### CRIMSON RUNNERS ARE GIVEN GREAT RUNS BY BEAVERS

Freshmen Win Only Engineer  
Victory by Taking 600  
Yard Relay

#### MILE RELAY IS CLOSE

Undeniably supreme in the distance events the Harvard runners won every relay race from the fighting engineers with the exception of the frosh 600 yard event on the board oval Wednesday afternoon. The Cardinal and Gray put up a wonderful show of strength in the shorter runs and in the mile event the most exciting run of the afternoon, Lundell beat out Howlett, the beaver anchorman by a scant foot at the tape after making up a ten yard lead.

In the medley relay the first three Technology runners piled up about a twenty yard lead on Harvard, however, Kobes the Crimson nine lap man was too good for Bill Rooney and John Harvard took another well-earned race. Glen Bateman running a 440 started the race and immediately Robb, the Harvard crack took the pole. Glen followed him stride for stride a couple of yards behind.

#### Mile Relay is Close

On the second half of the last lap the engineer flyer sprinted ahead on the straightaway to further increase on the turn by fully 10 yards. Steinbrenner added a few more and George Leness ran a beautiful half mile against Cutcheon of Harvard to further widen the gap. When Kobes received the baton he was about twenty yards in the rear, he passed Rooney on the fourth lap and from then on it was his own race.

This was a fine run but it was eclipsed by the mile run which to use a favorite expression was "sure a corker". Kauzmann ran against Allen of the Crimson to lose by a few yards against the Harvard varsity flyer. In passing the baton to Smith, the stick was juggled for a moment which lost a few more yards. Smith, however, let out all he had to make up most of the lost distance. When Doug Jeppe took the baton he quickly made up the lost yards and the former 440 star of last year gave Howlett a good ten yard lead. It was nip and tuck between the Tech runner and Lundell the latter finally winning out.

#### Frosh 600 Yard Interesting

In both the varsity distance runs the Crimson succeeded in putting a large distance between the anchor men at the finish. In the two mile event Harvard by dint of the beautiful running of Smith, Chapin, Kane and Red Haggerty was fully a lap and a half ahead of the Technology runner at the finish. The Crimson are unusually strong in this department this year and with addition of the famous Soapie Watters they will be a record breaking lot.

In the frosh one-lap event, the one bright spot of the afternoon as far as wins are concerned, Shiepe, running first gained about 2 yards on his opponent. Moggio held his own against Keefe. When Baker-Carr took the baton things started again to liven up and the fresh runner added a yard more of a lead. It was up to Gordon Miller, the star frosh flyer to increase the distance to about five or six yards at the tape.

#### Following is summary:

Varsity 600-yard relay—Won by Harvard (Chase, Miller, Peck and Murphy); second, Tech (Wiehe, Drew, Smith, Cole). Time—1m. 33.5s.

Varsity mile relay—Won by Harvard (Allen, McGlone, Rogers, Lundell); second, Tech (Kauzmas, K. A. Smith, Jeppe, Howlett). Time—3m. 38.5s.

Varsity two-mile relay—Won by Harvard (Smith, Chapin, Kane, Haggerty); second, Tech (Cheney, Dinan, Stevenson, Bailey). Time—6m. 20.2s.

Varsity 31-2-mile relay—Won by Harvard (Gordon, Ryan, Swede, Tibbets); second, Tech (De Fazio, Preston, Bemis and Myrick). Time—14m. 53.5s.

Varsity medley—Won by Harvard (Robb, Fletcher, Cutcheon, Kobes); second, Tech (Bateman, Steinbrenner, Leness, Rooney). Time—6m. 39.2s.

Freshman 600-yard relay—Won by Tech (Shiepe, Moggio, Baker-Carr, Miller); second, Harvard (Gregor, Keefe, Allen, Hunenan). Time—1m. 52.5s.

Freshman mile relay—Won by Harvard (Burns, Dunn, Murchie, O'Neil); second, Tech (Meagher, Chute, Bennet, Kirwin). Time—3m. 45s.

Freshman 31-2-mile relay—Won by Harvard (Wallace, Hunt, Jones, Hall); second, Tech (Austin, Smith, McIntire, Walsh). Time—14m. 34.4s.

### Varsity Quintet Will Clash With Harvard Jan. 24

The Engineer quintet will meet the strong Harvard five in the Hangar Saturday night, in what promises to be a fast tussle. Harvard defeated Middlebury and Worcester Tech in their first games of the season. Last week they were downed by the Columbia team. The Tech team showed up badly in the Brown game but they should be out of their slump in time to give Harvard a close run.

The team has been practicing hard in the hangar for the last two nights, and the players have been getting back into their regular form. Forrester and Hinck seem to have gotten their eye on the basket again and are dropping their shots through easily. If the team can come up to the form they displayed in the first game of the season, they will let the Harvard team know that they have been in a basketball game. Coach McCarthy will probably start his regular line up with Ingram and Eager at guard positions, Wilcox at center and Hinck and Simons at forward. The game will be preceded by a wrestling match between B. U. and the varsity at 7 o'clock. Dancing will be held after the game.

The freshmen team will journey to Andover for their game. The Academy usually puts out a strong team, and the yearlings will have their work cut out for them.

### Varsity Boxers Meet Syracuse To Open Season

The varsity boxing team leaves for Syracuse tomorrow where they will take on the strong Syracuse boxing team. Syracuse is a newcomer to Technology's schedule and the leather pushers are determined to start off relations in the right way by demonstrating their superior ability to their hosts. Syracuse has already boxed Colgate this year, being defeated by a score of four

(Continued on Page 4)

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Boston Evening Transcript

**Notices and Announcements**

**OFFICIAL**

**SEDGWICK LECTURE**

A Sedgwick Memorial Lecture will be given by Professor W. J. V. Osterhout on "Some Fundamental Problems of Cellular Physiology," in Huntington Hall, tonight at 5.

**WEATHER FORECASTS FOR THE ECLIPSE**

"We learn from Bulletin 812 of the Harvard College Observatory that, 'Special forecasts for the morning of January 24 will be issued this afternoon by the Weather Bureau. These will be telegraphed to observatories within the zone of totality and broadcasted from station KDKA and other transmitting stations. They will also be furnished for use by the late evening press.'"

**ECLIPSE**

Class-room and Laboratory exercises for the hour between 9 and 10 tomorrow, will be omitted.

**AUTOMOTIVE ENGINEERING**

There will be a meeting of all men interested in automotive engineering, at 3:00 today in the Electrical Seminar room, 10-200. Professor Faies will speak on the recent developments at the New York Show. Plans for forming a branch of the Mech. Eng. Society affiliated with the S. A. E. will be discussed.

**UNDERGRADUATE**

**CHORAL SINGING GS 58**

A meeting will be held today at 4:30 for a combined rehearsal with Mr. Townsend's mixed chorus, in room 5:330.

**FRESHMEN**

Copies of the Strangers Directory mentioned by Mr. Munroe in his talk yesterday may be obtained free of charge at the T. C. A. office.

**TECH SHOW ORCHESTRA**

There will be a rehearsal of Tech Show Orchestra Monday at 5 in north hall, Walker.

**SQUARE AND COMPASS DINNER**

The Square and Compass Club will hold a dinner on Wednesday, January 23, at 5:45 p. m., in the Faculty Dining Room, Walker. There will be music entertainment, and an address. All members and Masons cordially invited.

**T. C. A. HANDBOOK.**

Competition for the business and editorial staffs is now open for freshmen and Sophomores. Candidates call at the T. C. A. office, today, 4 to 6.

**CHEMICAL SOCIETY**

A trip to the Hood Rubber Co. in Watertown will be held today, leaving at 1:30. Sign up on bulletin board.

**WINTER CONCERT**

Signups will be redeemed in main lobby in ticket booth from 12-2 every day this week. Obtain additional tickets there or from any of the management.

**CORPORATION XV**

Corporation XV will run its next plant inspection trip today at 3 to the Carr Fastener Company.

**WINTER CONCERT**

The Winter Concert and Dance will be held in the Hotel Somerset at 8, tonight.

**FRESHMAN BASKETBALL**

Competition is now open for manager of the freshman basketball team. Candidates may leave their name and schedule at the A. A. office, or may report to Mr. McCarthy in the hangar at 5 o'clock any afternoon.

**FRESHMAN RIFLE TEAM**

Hereafter range will be open Mondays and Thursdays from 11:00 to 5:00, Wednesdays from 2:00 to 5:30, for Freshman team practice.

**BOXING**

The following men will go on the Syracuse trip: Martin, Kwok, Kuhn, Flynn, Munro, and Trask. Report at the South Station at 10 P. M.

**SECOND FRESHMAN TALK GIVEN BY J. P. MUNROE**

(Continued from Page 1)

ueil Hall, the Old State House, and the Old South Church. In them was concocted the idea of the separation from England. Mr. Munroe related briefly how the War of Revolution started and some of the incidents which took place in or near Boston. "With the levying of taxes there was the devil to pay," he said, "and the colonists decided to get rid of the devilry."

**Boston is Cultural Center**

"Aside from its great historic interest, Boston was and is a great educational center," he continued. It is the great home of every experiment in education as well as religion and "there are more people studying in Massachusetts than in any other state in the Union." Mr. Munroe then told of the part Boston had played in the settlement of the Middle West and of the Northwest, also how it had once been a great marative center. Besides being a great educational center, Boston is also a great musical center and a great place for lectures on all subjects. Mr. Munroe suggested that Boston's great love for lectures is an inheritance of the three hour sermons it used to sit through.

At the close of Mr. Munroe's talk, H. G. Pearson, head of the English and History department, who had introduced Mr. Munroe, announced that the lecture next Thursday will be given by President Stratton, who will talk on the choice of courses.

**Crews Have Fine Schedule For Hard Spring Campaign**

(Continued from Page 3)

affair that will compare with the annual Pongkeepsie regatta.

Bill is absolutely set on winning this affair, but he must have more men. The 150 pound Varsity will surely go to Princeton to race, and will undoubtedly meet Harvard at some time during the Spring. This is the first time that a Beaver crew will race with Princeton, and it is therefore absolutely essential to beat them first.

Harvard, Navy, Cornell, and all the other colleges have already commenced

their training on the machines. When the warm weather arrives they will be in fit condition to take to the shells. Technology must do the same. The men must come out now so that they will not lag behind their competitors.

There are only a few weeks left to practice on the machines and very few men now going out. Next Monday is the final call for candidates who are at all interested in the sport. Either today or tomorrow, Bill Haines is going to personally address the men in the Sophomore Military Science lectures in order that the men may learn a few things about rowing.

**BOXERS HAVE WEEKEND MEET WITH SYRACUSE**

(Continued from Page 3)

to two, while this is Tech's initial appearance this season.

The men that are to box at Syracuse have not been selected yet. The original plan was to have formal elimination bouts but Coach Rawson thought it would be a better idea to have only informal bouts to give him a line on the candidates and then to pick the team himself. As a result the definite lineup has not been made public but a fairly good idea of who is who is known.

**135 Pound Class Good**

There is one lone veteran back from last year. This is Captain Chick Kuhn. Kuhn takes care of hostilities in the 135 pound class. He has been boxing for three years on the team and has several notable victories of previous years to boast of. Kuhn has been getting some stiff competition from Pierce who is a transfer from West Point.

In the 125 pound class Epstein and Kwok seem to be the cream of the milk. Kwok boxed last year on the freshman team in the 115 pound class and did a good job of it. He is exceptionally fast on his feet and for that reason hard to hit.

**Need Heavyweights**

In the 145 pound class Flynn is dominating the pugilists. Flynn also boxed last year on the freshman team and it looks as though he was pretty sure of a varsity berth for this year. In the 158 pound class Trask, a junior, has been doing good work. He boxed in his first year at the Institute on the freshman team but injured his hand. He did not come out at all last year but appeared at the beginning of this year.

There is a lamentable dearth in the 115 and 175 pound classes. There are plenty of good fighters in the intermediate weights but Alpha and Omega are not flocking to the standard. Coach Rawson wants to get hold of some heavies and any such favored gentleman showing himself in the hangar will receive the kindest of attention.

**BEAVERS SWIM WEST POINT AND AMHERST**

(Continued from Page 1)

time so that he is within one second of the Institute record in this event. There seems to be a fine opportunity for him not only to break the Institute record in the meets with Amherst and the Cadets, but to win these events at the same time.

Armstrong is another fine swimmer that will have a chance to come through with a win. He has been out at the pool practicing continually and has been able to cut his time considerably in the last week. Himrod will probably be the other Cardinal and Grey entry in the 50 yard dash.

There is one event that the institute team is practically certain of winning in both the meet with Amherst and West Point, and that is the fancy dives. In the Yale meet, Woods was able to come in second against a couple of strong Yale men. Higgins was just nosed out of third place, so that with such a pair of clever divers, it seems as though two places in this event are almost certain.

The breast stroke will be taken care of by a couple of veterans, Captain Bill Walworth and Kerns. There is not much to choose between these two men as both consistently turn in about the same times. There may be a change in the relay that competed against Yale, but it is almost certain that Armstrong and Johnson will form the nucleus of the squad.

The 100 yard swim will be handled by Weis and Parsons, both of whom swam in the Yale meet. Weis will swim in the 220 yard swim, and is capable of some fast time. At Amherst, there will be no breast stroke; a plunge being substituted for this event. Ford, winner of the Interclass meet will be Technology's leading entry in this event and will be ably backed up by Woods. In the meet with the Army, the plunge will be omitted, and the breast stroke will be run off.

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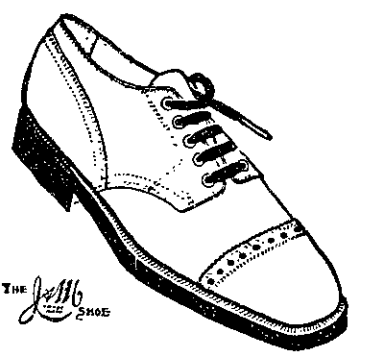
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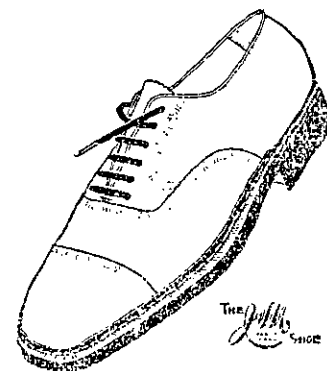
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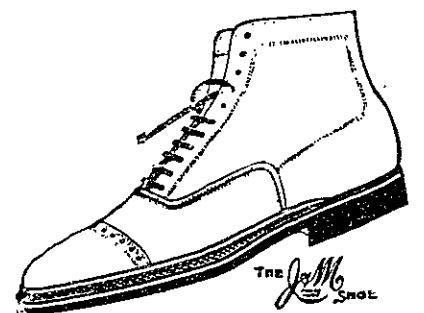
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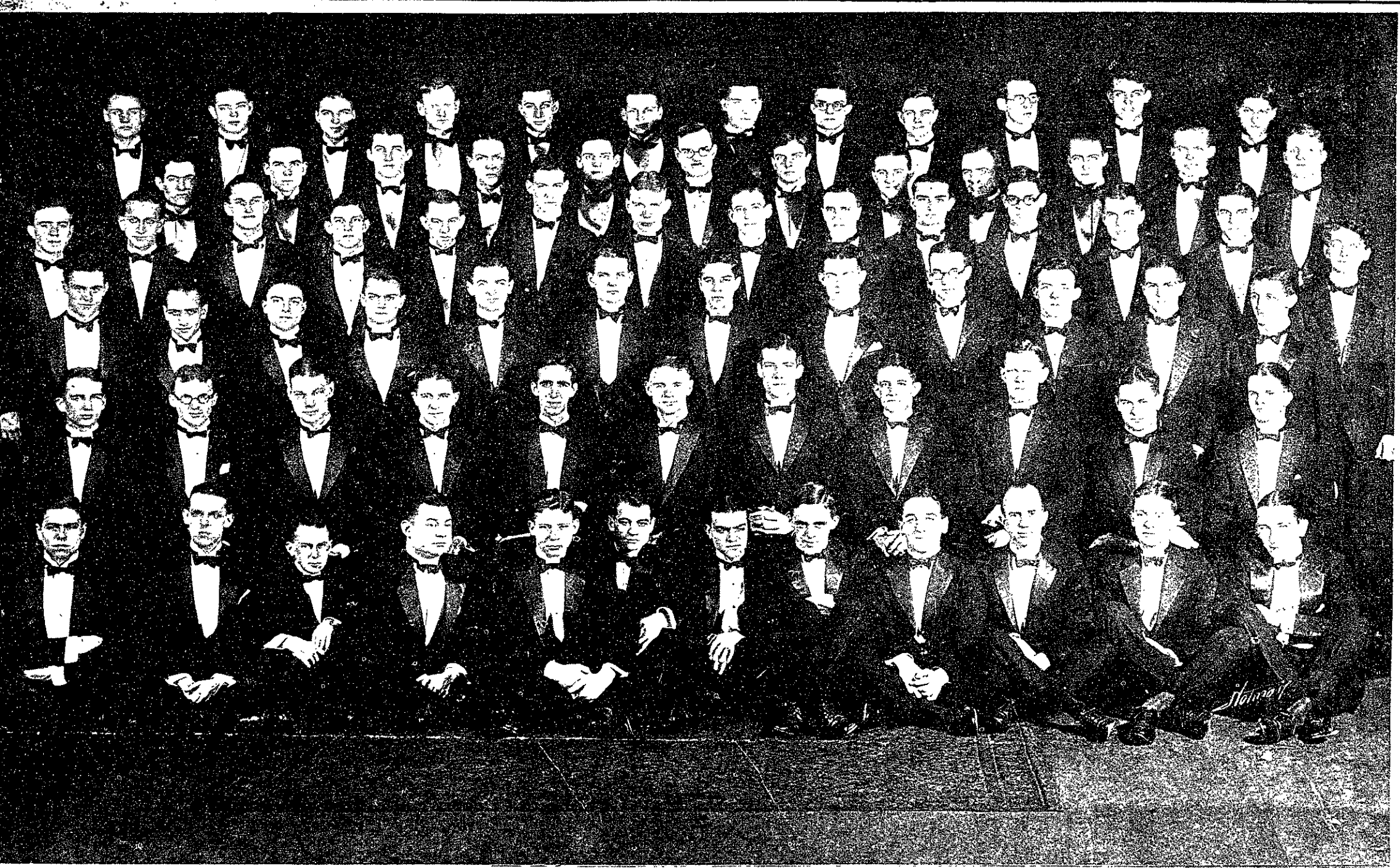
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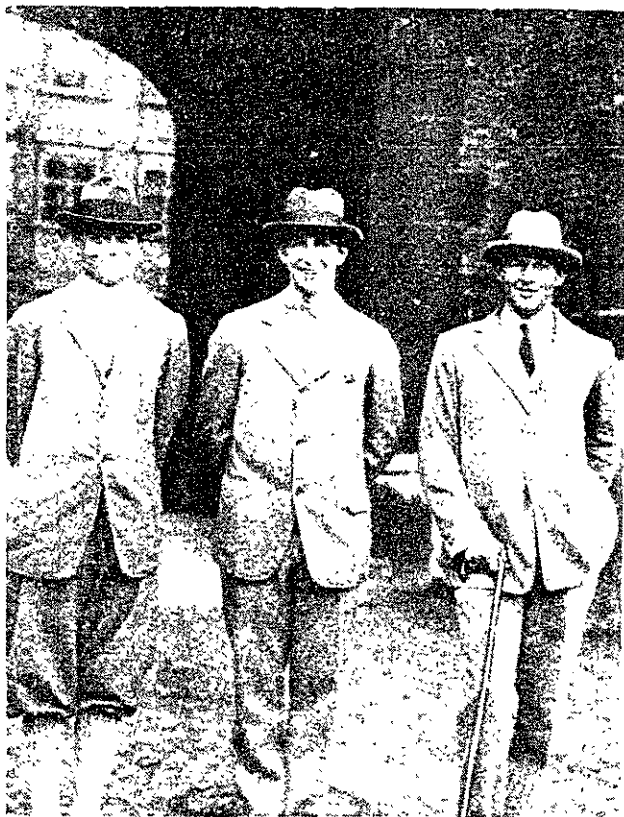
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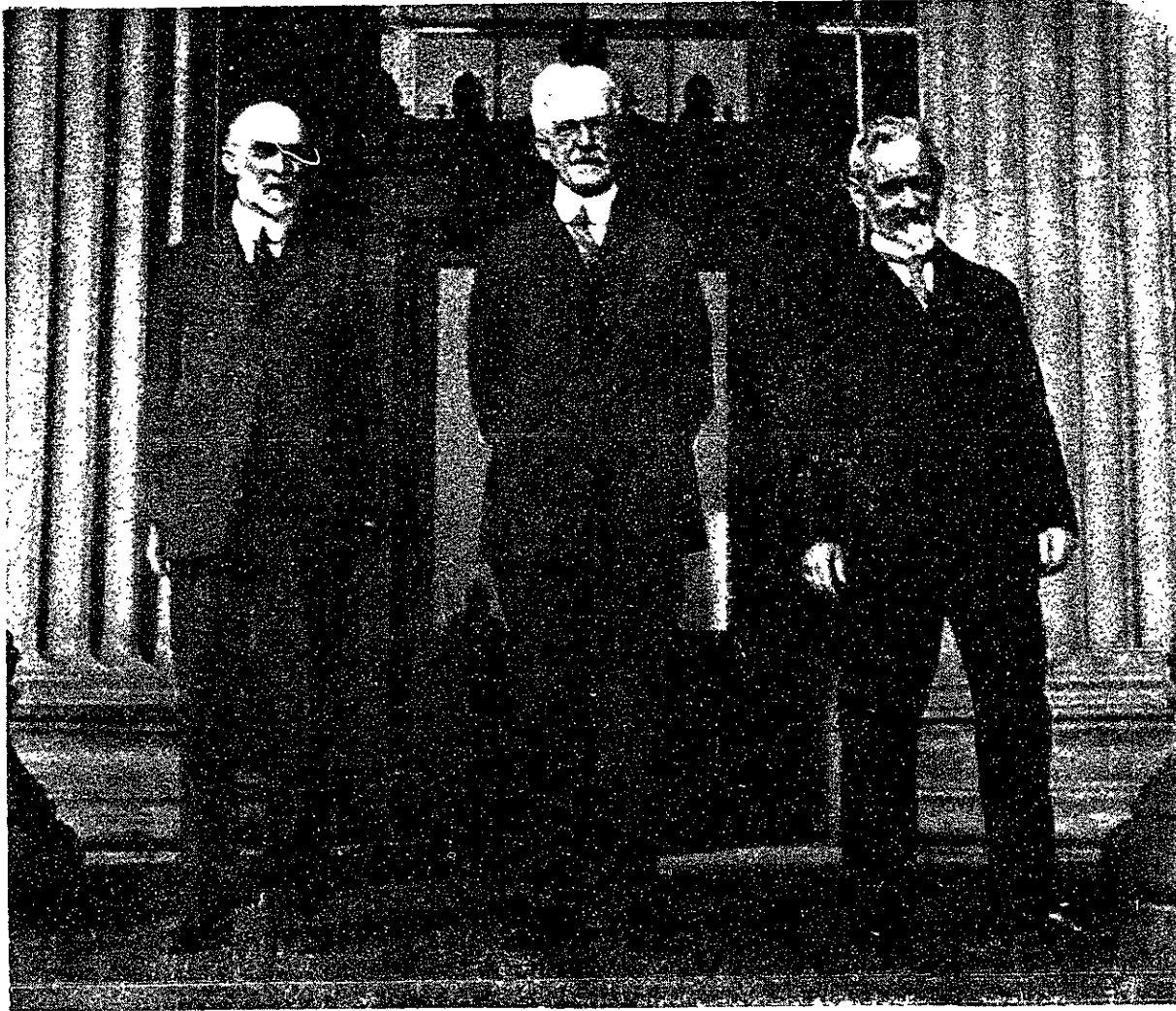
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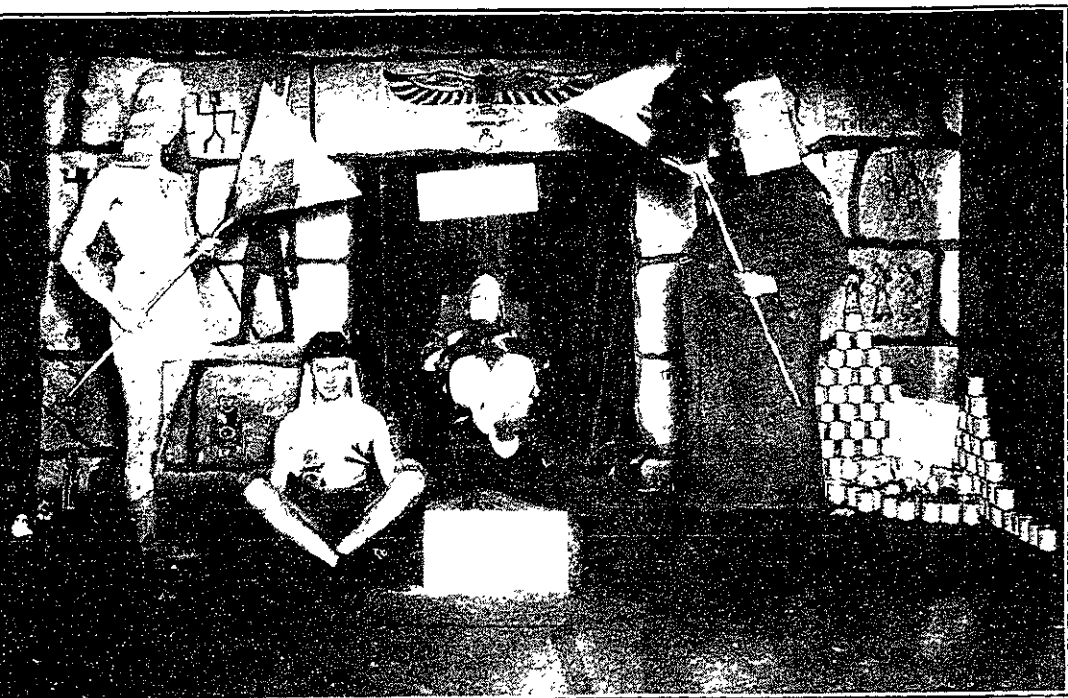


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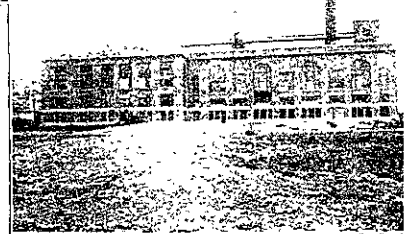
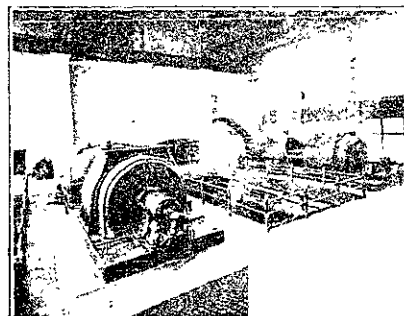


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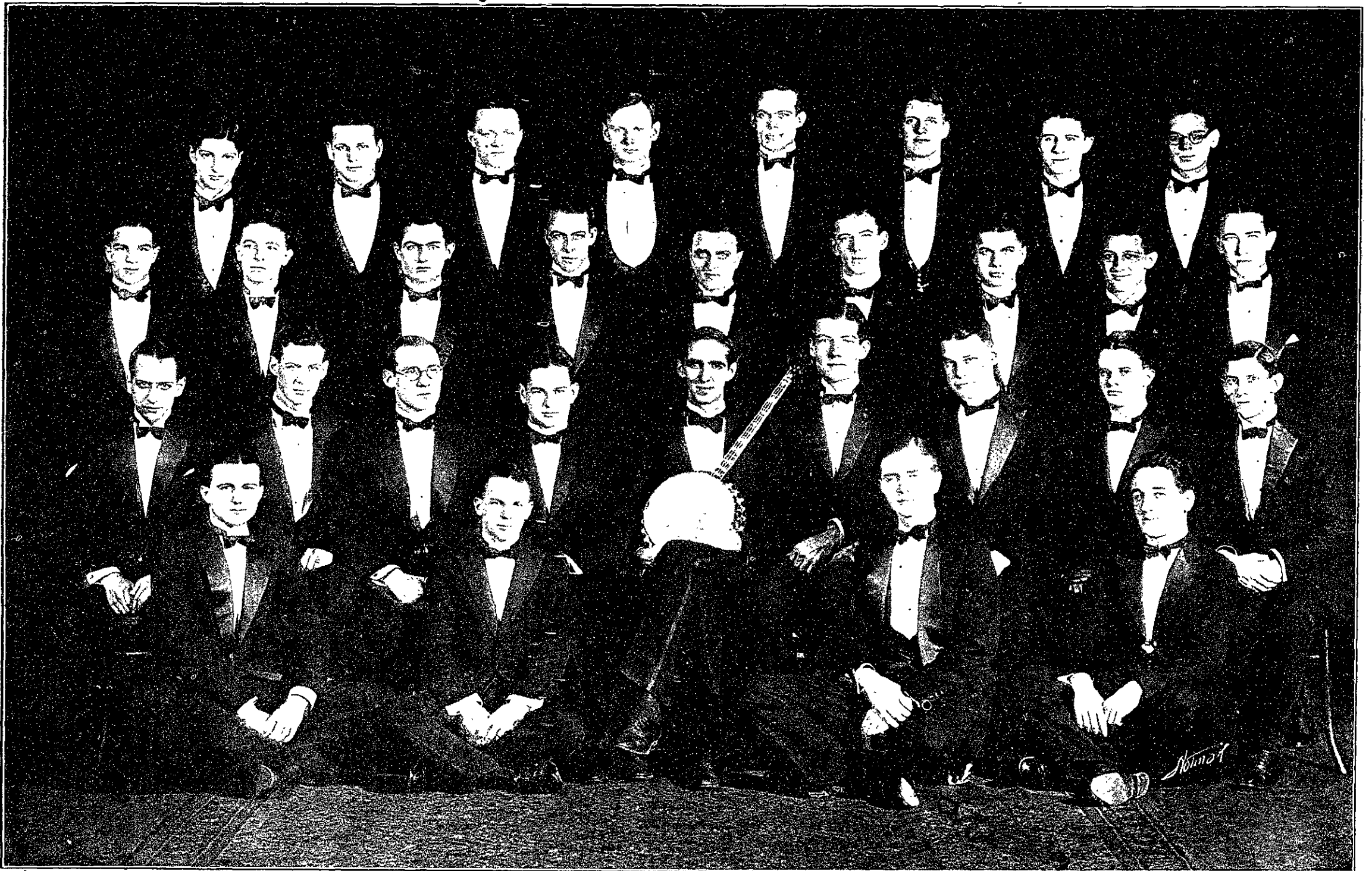
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Entrance examinations are held at the Institute in September. In June, applicants will be examined by the College Entrance Examination Board in Boston, New York, Philadelphia, Chicago, and many other cities in America and Europe. A circular stating times and places is issued in advance by the College Board.

Graduates of colleges and scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding to at least one year's work at the Institute, are admitted, without examination, to such advanced standing as is warranted by their previous training.

Graduate courses leading to the Degrees of Master of Science, Master in Architecture, Doctor of Philosophy and Doctor of Science are also offered. Special Research Laboratories of Physical Chemistry, Applied Chemistry and Science have been established.

### PUBLICATIONS

Bulletins of General Information, Courses of Study, Summer Session, Advanced Study and Research; and the Report of the President and the Treasurer.

Any of the above named publications will be mailed free on application. Correspondence should be addressed to

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