

## EVENLY MATCHED TUSSEL EXPECTED AT NORTHEASTERN

Red and Black Team Shows  
Marked Improvement Over  
Early Season Form

## VACATION AFFECTS MEN

Decisive Victory Over Clark  
Reflects Change in Caliber  
Of Opponents

Meeting the Northeastern University basketball team in a return game in the Huntington Avenue gym Saturday evening, Coach McCarthy will present a formidable lineup to clash with the boys across the river.

Although the team on the whole is not in as good condition as it would be if the short vacation had not cut a period out of practice, the players have kept in excellent condition during this time. Coach McCarthy has been grooming his men for action and they have certainly been showing it in large quantities around the Hangar this week.

Northeastern improving  
Northeastern has shown a decided improvement since the initial clash with the Engineers and since the tussle is to take place on the former's floor, a much closer battle is looked for. In the first encounter in the Hangar gym, the Red and Black went down to defeat in the hands of the Engineers by a score of 35-22. This score by no means indicates the relative strength of the two teams as it was not until the final minutes of play that the game outcome was decided, the lead changing hands several times during the game.

A week ago Northeastern was nosed out by a few points by Boston University and just Wednesday the Red and Black quintet won a decisive victory over Clark College, so it is evident that Northeastern has a better team than the last game in the Hangar revealed.

Monday saw the first meeting of the Tech squad since exams, and the boys were practically all back ready for work by Tuesday. Coach McCarthy is pleased with the practice shown by  
(Continued on Page 4)

## FEBRUARY VOO DOO TO APPEAR TUESDAY

Fascinating Bathing Girl By  
Hurkamp Adorns Cover

With new features, art work by Kane and Elmer, former Art Editors, and a Hurkamp cover the February number of Voo Doo will appear next Tuesday.

An important feature is the innovation of a Bridge department, in which Phosphorous attempts to help Technology man to improve his game. Along the line of supplying information about activities, Voo Doo is printing a half page of Institute events of the month. This page will contain the schedule of the athletic games, musical clubs contest and other events.

Kane and Elmer, former art editors, have contributed several pages, and Hurkamp has drawn the cover, which is a Florida scene, portraying the all familiar bathing girl. The frontispiece is a full page portrait of a well known Boston music critic and author.

## Still Chance To Enter The Tech Competition

Competitions in the Business, Editorial, News and Sports Departments of THE TECH which opened at a meeting last night are not yet closed to any who care to enter. Men who so desire should report at either the office in Walker basement or the room 302 in Walker today or tomorrow. They will not start under any handicap in the contest leading to positions on the Associate Board.

## SENIOR ELECTIONS COME THIS MONTH

Senior Week Committee And  
Marshalls' Nominations  
Due Soon

Nominations for the Senior Week Committee, consisting of 25 Seniors, and three Class Day Marshalls, are due in the Information office before 1 o'clock, Saturday, February 20.

Nominees for the committee must be sponsored by at least five members of the class and only those who were members of the Class of 1926 in their Junior year are eligible for election. Twenty-five signatures are necessary on the Class Day Marshalls nomination blanks. Officers of the committee are chosen by the committee after election.

A man may be nominated to both offices but in that case nomination papers for both positions must be submitted. Elections for these offices will take place on Wednesday, February 24. Last year there were but 29 nominations for the committee and the marshalls combined.

The nominations must be in the following form:

"We, the undersigned members of class of 1926, do hereby nominate \_\_\_\_\_ for \_\_\_\_\_ of our class." Under this should be the signatures of the sponsors with a statement by the nominee to the effect that he accepts the nomination.

## COMMITTEE AMENDS RULES FOR VOTING

Body Strengthens Existing Regulations Against Electioneering

Holding their first meeting of the new term, the Institute Committee yesterday voted to amend the rules for elections in order to co-ordinate some of the old election provisions to the preferential system of voting. C. A. Harrison '26, L. F. Baker '27, W. P. Berkeley '27, and P. I. Cole '27, were reinstated to their positions in the committee, having been removed previously because of two consecutive absences.

In general, the election amendments referred to the system of counting the ballots, and naming the men to count the votes. The provisions also contained a reiteration of the committee's stand against electioneering, in which block voting, influencing of voters at the polls, and like actions are specifically prohibited.

In a tentative statement regarding the budget, the Budget Committee pointed out that a deficit of about \$120.00 would be incurred in athletic accounts. A formal report showing the actual standing of all organizations will be presented at the next regular meeting.

The newly appointed members of the staff of THE TECH and of the successors to the members of the Dormitory Committee who recently resigned were formally accepted by the committee.

## B. U. PROFESSOR IS SPEAKER AT SERVICE

Professor J. C. Scammell, of the English Department of the College of Business Administration of Boston University, was the speaker at the first religious meeting held yesterday during the noon hour in East Lounge, Walker. His subject was "The Real Nature of Religious Thinking."

D. A. Shepard '26 presided over the service, which was attended by about 28 men.

## SOCIETY OF ARTS LECTURE TO BE BY DR. W. S. FRANKLIN

Topic of Popular Science Talk  
Is Nature's Influence  
On Science

## TO BE GIVEN THREE TIMES

Science Is Said To Be Help To  
The Brain Similar to  
Tools for Hands

"Love of the natural world and an instinct for immediate action are the most remarkable, and, indeed, the most important characteristics of young men and women," says Professor W. S. Franklin, who is to deliver the February popular science lecture for the Society of Arts. The lecture will be delivered to high school boys and girls today at 4 o'clock, tomorrow at 2:30 o'clock, and to the general public at 4 o'clock on Sunday.

Professor Franklin, who is a member of the Faculty of the Department of Physics, is to speak on the subject, "Small Beginnings in Science and Their Epoch-Making Consequences." He believes that these discoveries have arisen from the above mentioned characteristics of youth. The first part of the lecture deals with this love of the natural world. "It is the foundation of everything in life and no one can appreciate science or even have a friendly feeling for science until he sees that science does not antagonize our love of the natural world, but supplements it."

Explains Method of Study  
The lecturer interprets the title, not in its bearing upon the beginnings of pure science and its modern applications, but in its less obvious but more vital bearing on the Methods of Science. In the second part of the lecture, he shows the highly artificial character of physical science as illustrated by several historic experiments. He will explain the utility and the analytical method of studying a practical device and illustrate them by experiments.

In the third and the concluding part of the lecture Professor Franklin expounds his philosophy of science. He considers science a new engine or help for the mind corresponding to tools for the hand and he will explain the philosophy of science in a natural manner in the light of his experience.

## MUSICAL CLUBS PLAY IN LOWELL TONIGHT

Affair To Be Conducted Under  
Auspices of Alumni

Members of the Musical Clubs will leave at 6:15 o'clock in two busses to-night from Harvard Bridge for a trip to Lowell where they will give a combined concert and dance at 8:15 o'clock. This concert will be given under the auspices of the Tech Club of Merrimac Valley which is the Technology Alumni Association of northern Massachusetts.

As a special number on the program a banjo duet will be given by Ray Mancha, Jr. '26, and F. W. Hall '28. The glee-quartet consisting of F. W. Schriener '26, E. V. Pasce, G. F. A. Thas '28, and R. S. Harris '28, will give several selections and the dance orchestra will also play a few numbers on the regular program.

## American Chemical Society To Hear Discussion About Artificial Silk

Rayon Manufacture and Dyeing To Be Told In Detail  
By Brian Mead

Dr. G. J. Esselen, Jr., Director of Research and Vice-President of Skinner, Sherman and Esselen Company will present a paper on "Rayon—Its Chemistry, Manufacture and Uses" at the meeting of the Northeastern Section of the American Chemical Society in room 10-250 tonight at 8 o'clock. Slides of manufacturing plant processes, methods and machines will be shown by Dr. Esselen as well as the different brands of artificial silk. It is expected that he will also perform an experiment showing the manufacture of rayon.

## Technology Is Losing Under New System

Fines for late registration total less this term than for some time, according to Bursar H. S. Ford, who stated yesterday that to date \$950 in penalties had been received from 190 students.

That students are saving money under the two term system is shown by the fact that \$1235 was collected for late registration at the beginning of the third term last Spring, making a total of \$3500 paid in during the year 1924-25. The year before that a larger amount changed hands, \$4400 passing into the Bursar's office as a result of tardy registration.

## Dr. C. V. Chapin to Deliver Sedgwick Memorial Lecture

"Change in Type of Contagious  
Disease" Subject of  
Talk Today

Dr. Charles V. Chapin, Superintendent of Health at Providence, Rhode Island, has been chosen to deliver the fourth Sedgwick Memorial Lecture and will speak today in Huntington Hall at 5 o'clock. "Changes in Type of Contagious Disease" is the subject of his talk.

Dr. Chapin is a graduate of Brown University, Class of 1876, and has been Superintendent of Public Health in Providence since 1884. For nine years he was a lecturer in the Harvard-Technology School of Health Officers and is now a lecturer in the Harvard School of Hygiene. The lecturer is the author of numerous articles and books on public health and is considered the "dean of public health in America."

The Sedgwick Memorial Lectureship was established in 1922 to commemorate the services of William Thompson Sedgwick to the cause of Biology and public health. These lectures are given annually in Boston in connection with the Department of Biology and Public Health of the Institute. It was Professor Sedgwick who created this department. The memorial lectures are given by an authority on this subject and are published by the department. As in past years the talk will be open to the public.

## MOST X-B MEN ARE COLLEGE TRANSFERS

Data concerning the School of Chemical Engineering Practice was recently compiled under the direction of Professor R. T. Haslam '11 of the Chemical Engineering department for presentation before the visiting committee of the Institute corporation in June.

Statistics were taken of the 136 graduates of this course from 1921 to the present day and it was found that of the 136 men, 33 spent at least one year at some other college before coming here and 93 were graduates of other institutions; leaving 10 students who entered directly from a high or preparatory school. These men who practically comprised all the graduates of this course represented 74 colleges and six countries.

## GLEE CLUB WILL SING IN CONTEST WITH 8 COLLEGES

Musical Clubs of New England  
Schools Will Compete  
Tomorrow

## AFFAIR IN JORDAN HALL

If Successful, Will Go To New  
York In Country-Wide  
Competition

Technology's Glee Club will compete tomorrow evening in the New England Intercollegiate Glee Club contest for the silver cup which will be awarded the winner. The affair will be held at 8:15 o'clock in Jordan Hall and it is expected that a large crowd will attend. Tickets ranging in price from \$1.00 to \$2.50 may be secured at the door and at Filene's store or by direct application to 24 Federal Street, Boston.

For the New England section the following colleges will take part: Boston College, Boston University, Bowdoin, Middlebury, Brown, Clark, Holy Cross, Wesleyan and Technology. The winner of this section will be sent to national Intercollegiate Glee Club Contest to be held this spring in New York.

Boston Musicians Will Judge  
Three prominent Boston musicians will be the judges for this contest. They are: Phillip Hale, Musical Critic and Dramatic Editor of the Boston Herald; Stuart Mason, noted musician who was recently guest conductor of the Peoples' Symphony Orchestra and is the author of numerous books about music; and Emil Mollenhauer who is director of both the Apollo Club and the Handel and Haydn Society. He has in addition been Conductor of the Peoples' Symphony Orchestra for the past five years.

Filene's Department store is at present displaying in one of their windows the prize cup which will be awarded the winner of this contest along with the banners of the various colleges who are competing in the New England Section.

At the New York contest, to which the winner of the New England contest will be sent, representatives from all over the United States will compete. Three other New England colleges, not taking part in the Jordan Hall competition, will also be represented at New York. These are Yale, Dartmouth and Amherst. Harvard, as one of the founders of the Intercollegiate Musical Council, is also entitled to send its Glee Club directly to the New York competition but is not competing this year.

## TICKET SALE STARTS FOR MILITARY BALL

Uniforms to Predominate At  
Formal R. O. T. C. Dance

Tickets for the Military Ball, which will be held in Walker, Friday, February 26, from 8:30 to 1 o'clock, are now on sale and can be obtained from Military Science Department headquarters, from members of the Scabbard and Blade, or from members of the committee in charge, which consists of E. F. Knight '26, W. F. McCormack '26, and A. T. Gifford '27.

Ray Stewartson's Symphonic Jazz Band of ten pieces augmented by two singers will provide the music. The affair is formal, and men are requested to wear their uniforms if they possibly can.

Col. and Mrs. F. W. Phisterer, Mr. and Mrs. L. E. Goodier, and Lt. and Mrs. E. H. Levy will serve as chaperons. Scabbard and Blade is staging the ball for all R. O. T. C. students.

## CALENDAR

Friday, February 12  
4:00—Debating Team meeting, room 2-130.  
5:00—Sedgwick Memorial Lecture, Huntington Hall, Rogers.  
5:00—Chemical Society officers meeting, room 2-32.  
5:00—Meeting of Song book Committee, Walker Committee Room.  
5:15—Chess Club meeting, Walker Library.  
6:00—N. E. Section, American Chemical Society, Supper, North Hall.  
8:15—Musical Clubs Concert and Dance, Lowell, Mass.  
Saturday, Feb. 13  
8:15—Intercollegiate Glee Clubs Contest, Jordan Hall.  
Sunday, February 14  
4:00—Popular Science Lecture, Prof. W. S. Franklin, "Small Beginnings in Science and Their Epoch-making Consequences." Room 10-250.



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### THE SEARCH FOR PLEASURE

SOME few years ago, in order to prove that science and art are not necessarily incompatible, a professor over at Harvard who had spent all his life in scientific work, at which his ability was so great that he had become head of his department, wrote a long blank verse drama in the Elizabethan style which was acclaimed one of the best of its kind in recent times. That particular professor was not the only scientist who has won fame in the field of letters. A striking example is a former biologist who is perhaps the foremost living novelist, H. G. Wells.

Scientists and engineers also have made their mark in other arts. The most conspicuous example is that of Samuel F. B. Morse, inventor of the telegraph, who did some extremely capable work in portrait painting. And two graduates of the Institute, Samuel Chamberlain and Edwin H. Blashfield, have achieved some degree of fame in two other branches of painting. Another graduate of the Institute—Frederick Field Bullard—was a composer of music.

The point to all this is that the scientific and engineering mind is not necessarily of the type to which the so-called "finer things of life" do not appeal. There are a great many students at Technology who feel a deep interest in the arts; and there are a great many more who have latent within them the capability of deriving great pleasure from music, from literature, from sculpture and painting, but who have neglected the possible entertainment to be found in these and related fields through a mistaken belief in the principle they have heard cried about by cranks, "There is no place in the life of an engineer for such 'effeminate' things as fine arts."

That the Faculty and the Corporation of the Institute believe in the benefits to be derived from student investigation outside the field of science, was shown when they announced the series of lectures and illustrative concerts by Mr. Arthur Whiting. Designed to give the uninformed some insight into the entertaining possibilities of music, the series places a phase of art before the student body that the regular general studies have been able to touch but lightly.

The aim of these concerts is not to make artists of the undergraduates at Technology. Neither is it to cater particularly to the small group to whom music, literature and the fine arts are the most important thing in life. The primary purpose is to call to the attention of the student body the fact that there is something more to life than making a living, that much enjoyment may be derived by an engineer from subjects which, on the surface, appear to have no connection with the life of an engineer, that a man may be educated without caring for the arts, but he is not educated until he has investigated the possibilities of entertainment that they offer.

If those in charge of the Sedgwick Memorial lecture really wish the attendance of the student body, why did they not decide to have it at some other time than five o'clock in the afternoon? At that hour, activity men will be at work on their activities and students living at a distance will be more interested in dinner than in a lecture. Some hour chosen at random, would probably secure a larger attendance than would a five o'clock meeting.

### GETTING PEOPLE TO READ NEWS

EVERY once in a while some individual takes a shot at the newspapers of our time and at their methods of presenting the events of the day. "With sufficient diligence," he says, "I can select from the pot-pourri of murder, scandal, comic strips, human interest strips, classified advertising, advice to the lovelorn, and current contests, a small amount of important news unmixed with divorce proceedings and rum-running." His estimate is quite accurate, for the political or scientific pill needs a certain amount of sugar coating to make it acceptable for the consumption of readers in general. While it continues to be true, as it is now, that the newspaper is the beginning and end of literature for many people, a successful journal must furnish all literary types from poetry and essays to popularized science. If people would read books for knowledge and forsake interest in their neighbor's marital infelicity and the personal troubles of the nation's inhabitants, all papers would present news alone in their reading columns; but while people's tastes remain as they are now, the dailies can hardly be expected to change their ways.

While the newspaper is not artistically perfect, or even approaching perfection, its critics must admit that it is at least read; and since half a loaf is generally conceded to be better than none, a little art, a little science, and a little of the world's affairs is far better than the lack of it all.

As Professor Armstrong entered the door of the recitation room to meet his class in Ec57 yesterday morning, he was greeted with whistled coaxings from the class. He thanked the class for the welcome and seemed pleased with the ovation. The Lounger would like to tell Professor Armstrong that the class was merely attempting to encourage the return of the black and white cat. As the professor entered, the kitty made a hasty exit.

A composite bull session! Salubrious mirth rocks the Lounger when he deliberates over the idea. Say, for instance Sammy Eskine, Dave Shepherd, Wally Ross and Eddie Pung in a smoke-laden room. Take for instance, the latest Freudian theory or the somnabulate Institute Committee for a subject. With such a setting imagine the discussion that would get underway. The late Eskine with his broad and positive knowledge of world events in general and the Youth for Peace movement in particular would contribute the necessary extraneous matter. The towering Shepherd with his Coolidgeisms and his splendid rhetoric would gradually assume the leadership of the session and would direct the discussion except when he was searching for pertinent facts in the Undergraduate Constitution. The verbose Ross would bring in sweetness and light and an incomparable volubility. And Eddie Pung, worldly wise and cynical would inject into the hodge-podge the sauce of ribaldry.

With all these ingredients well mixed and boiling, the Lounger can see in his mind's eye perfectly gorgeous situation. It would be the bull session par excellence, for it would contain the more mighty of the local cognoscenti, the more oratorical of the present Demosthenes, the more subtle of the indigenous celebrities. The affairs of the world and even those of the Institute might be settled therein and right merrily at that. The setting forth of the idea has so intrigued the Lounger that he makes bold to suggest that such a session be held. This is an age of conventions and committees and parleys and it is entirely apropos that we should have one of our own right in our midst.

For subjects to discuss the Lounger suggests the alarming Number of Engagements in the Class of '26, or The Effect of Helene Sweeney on our Athletic Standing, or The Possibility of Another Circus this Year, or How to Energize by Gland Transformation or Otherwise our present Junior Class, etc.

The Lounger after getting fairly well settled in his various classes has found to his delight a most novel and ingenious method of humanizing knowledge (not his own.) A certain professor teaching Applied Mechanics has adopted a pictorial plan for presenting his points. At the end of the hour, the board presents a most interesting spectacle of boxers, dancing men, tightrope walkers and what-not. The advantages of such a method are self evident. By the little pictures, which appeal to his primitive mind, and create lasting impressions in them, he learns that a falling man cannot save himself by grabbing hold of the seat of his pants. An exterior force must be applied. Who can now fail to identify such a force? Perhaps someday, the blackboards at Tech will resemble the walls of Egyptian temples, with gay little men astride the integral sign superintending that difficult process, and light-footed ones toing a buck-and-wing on beams of light.

The average yearly income of the subscribers of the Harvard Alumni Bulletin according to estimates based on 451 men selected at random from the subscription lists is \$18,566.74. Of this \$11282.79 comes from investments and the balance from earnings. Of this number of men 379 were married and they have a total of 793 children. It appears that those married are barely reproducing themselves.

### Play Directory

CASTLE SQUARE: "Abie's Irish Rose."—No end in sight.  
COLONIAL: "Music Box Revue."—We haven't seen it, but they say it's good.  
COPLEY: "John Bull's Other Island."—A Shavian razz of the Irish.  
HOLLIS: "The Poor Nut."—How to be collegiate.  
MAJESTIC: "The Big Parade."—A movie by the author of "What Price Glory."  
NEW PARK: "Rain."—Jeanne Eagles as the star.  
PLYMOUTH: "Rainbow Rose."—Interesting because it's different.  
REPERTORY: "Loyalties."—The play by Galsworthy.  
HUBERT: "Gay Paree."—It's good if you like revues.  
TREMONT: "No, No, Nannette."—It introduced "Tea for Two."  
WILBUR: "Is Zat So."—Hard boiled talk.

## Plenty of Room For Choice In All Electrical Courses

(In the hope that the work of each department of instruction at the Institute will be better known to both upper classmen and freshmen we shall publish brief outlines of the different courses from time to time. This is the first of the series, the others will follow later.—Ed.)

The Institute course in Electrical Engineering is designed to give the student a thorough training in the fundamentals of electricity, physics, and mathematics without neglecting practical applications and problems.

**Regular Course a Thorough Training**  
During the first two years of the course the students receive a basic training in mathematics and physics. In the last term of the second year the Sophomore first comes into direct contact with the department when he begins to take the Principles of Electrical Engineering. This subject, around which the course itself is built, continues through the Junior and Senior years and covers the mathematical and physical principles directly underlying electrical engineering in practice.

In the fourth year opportunity is given for specialization in several branches such as electric railways, dynamo design, illumination, principles of electrical communication, central stations, and so on.

After the work of the first two years the infinite detail that electrical courses are capable of is subordinated to the development in the student of the power to conceive and cope with engineering problems. As pointed out in the department bulletin, "..... a student who has acquired a comprehensive understanding of the basic principles underlying Electrical Engineering and at the same time the ability to apply them effectively to new problems as they arise will be in a far better position to advance in his profession after graduation than one who has spent much of his time in acquiring merely a general knowledge in several branches of his subject."

**Five-Year Co-operative Course**  
Course VI also offers a co-operative course which requires five years for its completion and leads to the degree of Master of Science. The co-operative course at the Institute differs in several important ways from courses of this kind at other colleges. In the first place the student at no time loses

contact with the academic part of his course. While he is at the plant he receives instruction in Principles of Electrical Engineering and also in economics. In the second place, while the student enters the employment of the company he selects as a regular employee as far as the rules and practices of the company go, the kind of work he does is being planned carefully by Institute officials. Third, the purpose of the practice is purely educational and is recognized as such.

**Option in Communications**  
Electrical Communications is the subject of a separate option known as Course VI-C. This course takes up telephone, telegraph, and radio communication with especial emphasis on the underlying principles of communication. With the exception of the last term of the fourth year the electrical subjects in the curriculum are the same as the regular course, except that in the third year two communication subjects are substituted for heat engineering and a term of applied mechanics. The last term of the fourth year continues the principles of Electrical Communications and takes up allied subjects.

Institute bulletins are available at the information office on Electrical Engineering, the Co-operative Course, and the Communications Option.

### Intercollegiates

In order to prevent the necessity of police intervention, the Student Board of Columbia University has drafted a strict set of rules to prevent unnecessary fighting during the annual underclass "Dinner Week." The Freshman dinner and the Sophomore dinner have always been the scene of numerous kidnappings and free-for-all fights carried almost beyond the limits of reason.

## Mount Vernon Church

Beacon St. and Mass Ave.  
Ministers  
Sidney Lovett Everett Baker  
11 o'clock Morning Worship with a celebration of Holy Communion and address by Mr. Lovett.  
7:30 P. M. Young People's Society. Speaker, Prof. Seal Thompson of Wellesley College.

## FIRST CHURCH IN BOSTON

Organized 1630  
Cor. Berkeley & Marlborough Sts.  
Rev. Charles E. Park, D.D., Minister  
Rev. Edward Cummings Minister Emeritus  
SUNDAY, FEBRUARY 14, 11 A.M.  
Dr. Park will preach  
MUSIC  
Adagio—Sixth Symphony, Widor  
Blessed They Brahms  
Inflammatus Rossini  
Finale—Sixth Symphony, Widor  
Organist: Mr. William E. Zeuch

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## DID YOU GET ONE TOO?

INVITATION  
TO  
THE FRATERNITIES CLUB  
BIG FREE PARTY  
IF SO BE SURE AND COME

# SIX TEAMS COMPETING OVER WEEKEND

## Varsity Matmen Take First Trip Of This Season

### Technology Wrestlers Working To Defeat Norwich In Meet Tomorrow

With Northfield, Vermont, as their destination and Norwich University as their objective the Technology wrestling team entrain tomorrow in the first trip of the season. During the vacation the members of the team have been keeping themselves in good condition by roadwork and various other forms of exercise and are in fine fettle for their engagement.

Little is known of the Norwich team but one thing is certain, that in order to be victorious over Captain Franks' men the Green Mountainers will have to do some hard wrestling. The Tech team has been greatly strengthened by the return to school of Burke, New England Intercollegiate champion in the heavyweight class who will make the trip with the team. The team has been a bit shy of heavy men this fall and his advent upon the team has been the cause of great rejoicing.

A strange but not uncommon situation will present itself in the 125-pound class when Johnson who is wrestling for Technology meets a former teammate of his. In 1922 Johnson was on the team at Norwich but now is working in earnest for their downfall. By winning their elimination bouts by decisive falls Cullen in the 115 pound delegation and Staebner in the 175 pound class clearly demonstrated their ability.

The lineup:  
115-pound—Cullen.  
125-pound—Johnson.  
135-pound—Rabinovitz.  
145-pound—Harris.  
158-pound—Franks (Capt.)  
175-pound—Staebner.  
Unlimited—Burke.

### Sport Calendar

Feb. 12—Hockey, Bowdoin at Brunswick.  
Feb. 13—Hockey, Bates at Lewiston.  
Feb. 13—Swimming, Williams at Cambridge Y.  
Feb. 13—Basketball, Northeastern at Boston Y. M. C. A.  
Feb. 13—Wrestling, Norwich at Norwich.  
Feb. 13—Fencing, Bowdoin at Cambridge.  
Feb. 13—Boxing, Colgate at Colgate.

### TYPING

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## TECH MEN

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## Hockey Team Embarks On Trip to Maine—Swimmers Meet Williams Tomorrow

### BATES AND BOWDOIN TO MEET PUCK TEAM

After enjoying a three weeks vacation, the Technology hockey team will get back into stride quickly when they go on a road trip meeting in successive days, Bowdoin and Bates. The Bates game will be played at Lewiston today, and the Cambridge puck-chasers will journey to Brunswick, Maine, on Saturday to match their skill with that of Bowdoin.

Neither one of these games is a source of great anxiety to Coach Bill Stewart after the admirable fight made recently by his proteges against the hard shooting Boston University Terriers. According to Stewart, the team has at last found its proper stride, and has every intention of keeping it.

Because of the fact that he has two games coming in succession, Bill Stewart will relieve the regulars at the first opportunity with capable substitutes, saving the strength of his veterans for tomorrow's clash.

#### Bowdoin Lacks Teamwork

Bowdoin began her season very poorly against Boston University, losing by a 6-0 score. Since that time, the upstate team has improved considerably and gives promise of producing some new strength against Technology. It will be remembered that the  
(Continued on Page 4)

### TECH FENCERS MEET BOWDOIN TONIGHT

Because of Harvard's cancellation at a very late hour, of the fencing meet with Technology, which was to have been held in North Hall, Walker, last Wednesday afternoon, the official opening of the fencers season was postponed until tomorrow evening when the team meets against Bowdoin. The faculty Dining Room in Walker will be the place at 7:30 o'clock will be the time.

Several competitions have been held for the places on the team and the lineup as issued by Captain Sam Cole last night reads as follows: Foils: Lewis, Hawthorne, Fere and as relief men Spitzli, Davier, and Caproni. Epees: Cole, Lewis, and Ivancich. This is one of the few meets that the fencing team has at home and a large following of supporters will probably be on hand to give them the once over.

## SPIKES

Technology looks about ripe this year to carry off some first places in the spring track meets. With such men as George Leness, Hank Steinbrenner, Jack Wiebe, Gyl Symonds, Eddie Chute, and numerous other constellations working out over on the boards, and working out in earnest too, prospects for a winning team look brighter than they have for many a long year. More credit to the coaches and trainers.

Speaking of races, to our mind one of the best matches that could be made today, in the middle distances at any rate, would be an 880 run with a field made up of Shrimp Marsters half-mile champ in the Intercollegiate last year, Alan Helffrich, A. A. U. half mile title holder and none other than our own George Leness, winner of the New England 880 last year.

We might include Soapy Watters in that collection but to our mind the former Olympic runner would be able to do no better than fourth.

Major Sanford ought to be a sure individual winner this spring in the pole vault. As near as we can figure out just now, he should have small difficulty in repeating his win in the New England last year.

### Williams Greatly Strengthened By Frosh Who Are Eligible For Varsity Team

Tomorrow evening at 8 p. m. over in the Cambridge Y. M. C. A. the swimming team faces one of the hardest meets of the year in the strong Williams team which has several huge victories already tucked under its bathing suit and is out to annex another one on Saturday.

Williams will present a stronger team tomorrow night than they have at any previous meet this year because of the fact that at Williams the freshmen may become members of the Varsity team after the Christmas vacation. There are several strong men on the frosh team at Williams that bid fair to oust men from the regular Varsity squad.

Earlier in the season the Williams team triumphed over B. U. by the score of 44-9. A comparison of the two teams may be gleaned from the results of the meets which each team has had with B. U. The Technology team beat the Terrier natators 38-24 with their second team competing in the relay race. Had the first team been competing they would have undoubtedly won the relay race which would have taken eight points from the B. U. total and added that number to the Tech quota, hence making the result of the meet about the same as the B. U.-Williams contest.

Armstrong, high point scorer on last year's Tech team and captain of the 1927 class team has returned to college and is working out daily over at the Cambridge pool. He will be eligible to swim tomorrow night and will be a tower of strength in the dashes. Coupled with Grover the team will be possessed of a pair of sprinters that will be of fast calibre.

On Saturday afternoon the freshman swimmers journey to Worcester where they encounter the Worcester Academy team. Undismayed by their defeat at Andover the frosh have been working hard and are looking for much better results tomorrow than they got at Andover. Not only are the men improving, but the return of Baker and Luey to the fold has raised their stock considerably. Although they are not making any rash promises of victory, they will enter the meet with a determination to avenge themselves and hence keep pace with their older brothers, the Varsity.

Phi Beta Epsilon vs. Sigma Alpha Epsilon, Feb. 16, Hangar.  
Phi Sigma Kappa vs. Kappa Eta Kappa, Feb. 18, Hangar.  
Sigma Chi vs. Phi Kappa Sigma, Feb. 23, Hangar.  
Lambda Chi Alpha vs. Phi Kappa, Feb. 24, Hangar.  
Phi Mu Delta vs. Sigma Mu, Feb. 25, Hangar.  
Delta Kappa Epsilon vs. Psi Delta, Feb. 16, Walker.  
Theta Xi vs. Theta Chi, Feb. 17, Walker.  
Alpha Tau Omega vs. Lambda Phi, Feb. 18, Walker.  
Kappa Sigma vs. Phi Gamma Delta, Feb. 23, Walker.  
Chi Phi vs. Theta Delta Phi, Feb. 24, Walker.  
Beta Theta Pi vs. Delta Upsilon, Feb. 25, Walker.  
Delta Tau Delta, Bye.

### TRIPLE TIE RESULT OF BOWLING CONTEST

In the initial meeting of the Dorm Bowling Tournament a triple tie resulted. Crafts, Runkle and '93 defeated Atkinson, Nichols and Ware respectively all by the same score of 3-1.

Crafts ran a high total of the evening, garnering 1276 pins as the result of the evenings play. Ruback of Crafts was the high individual scorer for a single game, topping the maples for 132. Inerrasky of '93 took second honors with an 112 game while Bernhardt was a close third with 110 pins.

The summary:

	Dorm Bowling			
	1	2	3	Total
Crafts	493	404	379	1276
Atkinson	404	358	391	1153
Runkle	407	400	439	1246
Nichols	410	396	438	1244
'93	446	336	454	1236
Ware	384	405	416	1205

## ADVISORY COUNCIL GIVES "T" TO ALL RELAY TEAM MEN

Leness, Howlett, Symonds and Meagher Receive Awards For Fine Showing

### DEFEAT HARVARD, BROWN

Dwight Woods '26 and Joe Parks '28 Declared Eligible For Athletic Team

Four more members of the Technology track team are the proud possessors of the coveted T because of the action taken by the Advisory Council on Athletics at their regular monthly meeting held on Tuesday evening at the Engineers Club. As a reward for their work on the mile relay team, notably their performances at the K. of C. meet and the B. A. A. games when they won over Brown and Harvard respectively. Capt. George Leness, N. E. Howlett, C. B. Meagher and G. H. Symonds were given straight T's.

The win over Brown was the first time that an Engineer relay team has triumphed over the Providence college in three years of competition and is worthy of such recommendation. To

Captain George Leness of the Technology track team has been recognized as one of the leading middle distance runners of today. The other day he received an invitation to run in the half mile at the Wilco A. C. games in New York. The field in this event will be made up of a very select group of 880 men including such men as Alan Helffrich, George Marsters perhaps, and other fast runners, and a win over that aggregation of men would be a big feather in anybody's cap. In all probability Big George will be on hand when the starter's gym begins the race.

defeat Harvard in the relay race at the B. A. A.'s means T for the team any year. This year's Harvard team was a very fast outfit as the time of three minutes 31 and 45 seconds will testify.

At the meeting Tuesday night two men who have been forbidden to compete for Technology because of alleged and declared ineligible. One of these ineligible were given a clean slate men, Dwight Woods is a star diver on the swimming team and his return to competition will greatly enhance the chances of the team. The other man, Joe Parks, was a member of the Sophomore football team and just at present is a strong contender for the unlimited berth on the wrestling team.

## TEA DANCES

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BOSTON



EXPECT STIFF GAME WITH NORTHEASTERN

(Continued from Page 1)

his men and is quite certain that they will give as good an account of themselves as they did in the last meeting with Northeastern in the Hangar gym.

Analyzing the team, we find Captain Bill Forrester and Norm Estes at the forward positions. Forrester had little difficulty in breaking through the Northeastern defense as he looped the ball through the hoop time and time again. Estes, although not so fortunate in locating the network as his partner he was one of the main cogs in the teamwork and his passwork was a feature. Both of these men could well compete with any pair of forwards in college ranks advantage.

The pivot position seemed at the beginning of the season to be the weak place but Jud Biehle has proved himself capable of taking care of the tip-off. Although not a flashy player, Biehle plays a hard consistent game and figures prominently in the passwork of the team.

Ernie Hinck and Frank Meyers will probably be assigned to holding the opposing forwards at bay and this combination will have a job in holding the flashy Renker, star forward and Captain of the Red and Black. Hinck is rated as one of the best guards in New England; he is in the thick of the battle every minute and throws from the floor with precision as well as playing an excellent roving guard. Meyers also plays a fine game at stationary guard and he is largely responsible for holding the opponents' scores down.

ROGERS IS SCENE OF COURSE IV EXHIBIT

An exhibition of work done by former students of Course IV is being held by the Department of Architecture in the Rogers Building and will continue until February 20. This exhibition which is open from nine o'clock in the morning to nine at night, includes water colors, etchings, lithographs, and sketches. Many names prominent in the architectural field are represented in this exhibition, and it is expected that a considerable number of people will avail themselves of the opportunity to examine this work.

Intercollegiates

McGill University has a new chair in Cellulose and Industrial Chemistry which was provided by the Eddy Paper Company. Dr. Hibbert, who holds this position, states his belief that this line of research covers a little known field. Besides various experiments in the industrial processes, efforts will be made to determine exactly the constitution of wood and other substances of which the chief constituent is cellulose. The Physics department and the Botany department are aiding in the attempt to discover the cause of the swelling of the cellulose which causes approximately forty per cent of the operating troubles in the paper industry. It is hoped that in the near future the Cellulose Institute will be provided with a building of its own.

HOCKEY TEAM TO TAKE MAINE TRIP

Puck-Chasers Will Meet Bates And Bowdoin During Weekend

(Continued from Page 3)

Institute also opened its season with a very discouraging victory at the hands of the Terriers, so tomorrow's game will decide which of the Boston teams early opponents has improved the most since the beginning of the season.

One big fault still characterizes the Maine team however, and that is, lack of team work. Individually the squad boasts of some very fast players, but they fail to group together and as a result lose many good opportunities to score. Cutter at center ice, and Whitman at wing are both very clever and should provide trouble for the Engineer defense. Berry at the cage is coming along in good shape and in another year should be a star at his position.

Coach Stewart will have to start Ray Freeman at center, as neither Randall or Meade will be available. Berkeley and Weissner will be on the forward line, while Crandall and Brooks will team up on the defense. Johnny Deignan and Bill Richards will alternate at the cage.

NEXT DORM DANCE IS TO BE HELD FRIDAY

Mrs. D. S. Tucker, Mrs. L. E. Hamilton, and Mrs. C. E. Turner will serve as matrons at the informal Dorm Dance to be held next Friday in Walker from 8 to 12 o'clock. Morey Pearl's nine piece jazz orchestra will furnish the music.

Arrangements for the affair are in charge of E. R. Hayes '27. The list of Ushers comprise J. R. Donovan '28, E. V. Lewis '28, C. W. Simpson '28, and H. Harris '28.

According to present plans, the next dance after Friday's will be held March 12, and will be formal. Two dances in April will round out the year's program.

HANS MULLER SPEAKS AT PHYSICS SEMINAR

Hans Muller, Research Associate of the Department of Physics, was the speaker at the Physics Seminar held Tuesday afternoon. "The Theory of Coagulation of Colloids" was the subject of his discussion.

The theory of von Smoluchowski was the basis of the development and explanations of experimental contradictions of Smoluchowski's law which were shown to be effective for colloids with particles of different sizes. In particular did this extended theory explain the apparent discrepancy of the effect of large particles in increasing the velocity of amierons.

Notices and Announcements

OFFICIAL

CHORAL SINGING G58

Mr Townsend will meet the class in Choral Singing (58) for the first exercise at five o'clock on February 12 in room 5-330. The class will meet on Mondays and Fridays throughout the second semester at the same hour.

AIR SERVICE SCHEDULES

Schedules for this term's Air Service classes have been posted on the bulletin board in room 1-080.

E21 REPEAT

Students desiring to take E21 during the current term should meet Mr. Copithorne in room 2-278 at four o'clock on Thursday. The hours when the course will meet are to be finally determined. Bring schedule and tabular view. The text book for the first part of the term will be Mr. Roberts's "Introduction to Politics."

G-3, INTERNATIONAL LAW

Students of courses VI and XV, members of the ROTC and Seniors who take this course by special arrangement on account of conflicts should leave their registration cards at Professor Tryon's office, room 3-107.

DEPARTMENT OF ARCHITECTURE

The exhibition of work of former students will continue until February 20, every day from nine in the morning to nine at night. All interested are invited.

ENGLISH E21

First class is next Wednesday at four in room 2-278. The time of the other class will be announced at that time. There will be a quiz at the first exercise on chapters I and II of "An Introduction to Politics."

UNDERGRADUATE

T. C. A. EMPLOYMENT BUREAU

To enable this Bureau to function efficiently it will be necessary for all men with application cards on file to put their new schedules thereon. It will be difficult to give assistance to any man whose second term schedule is unlisted.

SENIOR ELECTIONS

Nominations for the Senior Week Committee and Class Day Marshall are due in the Information Office on February 20, before 1 o'clock. The elections for these offices will be held Wednesday February 24.

AMERICAN CHEMICAL SOCIETY

There will be a meeting of the Society tonight in room 10-250, from 6 to 10.

WANDERING GREEKS

Wandering Greeks may obtain tickets for the Interfraternity Conference Tea Dance by applying to John R. Norris, S. A. E. house, 484 Beacon Street, Boston.

CHEMICAL SOCIETY

There will be a meeting of the officers of the Chemical Society in room 3-312, today, at five o'clock.

TEXT BOOKS

Students having saleable text books on hand and wishing to dispose of the same at two-thirds their original cost may leave them for sale at the T. C. A. Book Exchange.

COMPLIMENTARY TICKETS

The Social Division of the T. C. A. has received 28 complimentary tickets for the Recital of Myra Mortimer at Jordan Hall, Saturday afternoon at 3 P. M. These tickets may be obtained by the first students calling for the same.

BOXING

Coach Rawson will be at Hangar Gym at 4:00 P. M. every day this week. Everybody come out for practice.

CHESS CLUB

Meeting Friday evening in the Walker library at 5:15 o'clock, to discuss the time and place for the regular meetings.

CHEMICAL SOCIETY TRIP

The Chemical Society trip to the Revere Sugar Refinery which was to have been yesterday afternoon is postponed until Friday, February 19, on account of the snow.

MATH CLUB

Mr. W. Cheney will speak on "Synthetic Projective Geometry" Tuesday evening at 8:00 in the West Lounge, Walker. All interested are invited.

VARSITY RIFLE TEAM

The first match of the N. E. R. L. against the U. of Vt. is to be held this week. The following men will compete: Keyes, Olken, Johnson, Wengen, Russell, Clahane and Hoak. The range will be open from 10 to 4 today, and from 9:30 to noon tomorrow for this match.

MUSICAL CLUBS

Busses will leave from both ends of the bridge as usual at 6:15 tonight for the concert and dance in Lowell. One bus will return directly after the concert. Concert starts at 8:15. Bring ribbons.

All members of the Musical Clubs are requested to wear their ribbons tonight at the Lowell Concert. The Banjo lights will be used at this concert and all members of the Banjo Club are asked to bring the connection cords for their instruments.

VOO DOO

The February issue of Voo Doo will be on sale in the Institute corridors next Tuesday, February 16.

FRESHMAN CREW MANAGERS

More candidates are needed for freshman crew manager. Please report at the boat house any afternoon before next Wednesday.

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