

## Prom Announces Lowest Price in History of Event

Sign-ups Will Be Conducted in  
Second and Third Weeks  
of February

**WILL CHARGE \$7.50**

Junior Prom tickets will be lower this year than ever before, according to a decision made last night by the Prom Committee. The price will be \$7.50, as against \$12 for two years ago, and \$8, last year's price. There will be a \$2.50 sign-up charge, and a further tariff of \$5 for the redemption.

Signups will be held during the two weeks starting Monday, February 12, on week-days. They will be available in the main lobby between 11 and 2 o'clock on those days. Redemptions will be accepted during the first week in March.

The orchestra for the Prom has not been selected yet, but the committee expects to make its choice shortly. According to Walter H. Stockmayer, '35, chairman of the committee, the name of the orchestra will be announced on February 8, or before. In the selection, the points considered are not only the relative popularity of the orchestra, but also its ability to give the patrons of the Prom a maximum of entertainment.

The Prom will be held on Friday, March 16, in the Imperial ballroom of the Hotel Statler in Boston. It will last from 10:30 to 4 o'clock.

## RECEIVE RULES FOR SIGMA XI CHAPTER AT TECHNOLOGY

Expect to Hold Meeting of All  
Members and Associates  
in February

The Technology Committee on Sigma Xi last week received instructions as to the method of organizing a local chapter. It is expected that a meeting of the members and associates on the staff of the Institute will be held about the middle of February for the purpose of organizing the group, and making arrangements for the installation of the chapter.

The recent acceptance by the National Society of the petition for the establishment of a chapter of Sigma Xi at the Institute came as the culmination of a series of efforts on the part of several Institute professors, extending over a period of 14 years.

In January, 1920, faculty members of the Institute who were members of other chapters of the Sigma Xi, drew up a petition for the founding of a local chapter. Again in 1933, a petition was drawn up and submitted, this time signed by 37 members and associates of the society. No action was taken upon this petition until Dec., 1933, when it was accepted by a convention of the National Society. All that remains to be done is the organization of the group under the regulations of the order, and the formal institution of the chapter.

Local proceedings have been in charge of Professor Frederick G. Keyes, head of the Department of Chemistry, and Professor Edward L. Bowles, of the Electrical Engineering Department.

## RUNKLE HOOPMEN BEAT GRADUATES

Break Triple Tie for Lead in  
Dormitory Basketball

Runkle Dormitory's basketball team, by toppling the Graduate Hall last night, 32-15, earned the right to compete in the finals of the annual dormitory basketball tournament. Previous to the game, a triple tie had

## Suction Filter Baffles Astonished Freshmen

Evidently this year's freshman class is no more exempt from making "boners" than its predecessors. One of the most recent cases occurred in a 5.01 laboratory period last week.

One of the embryo chemists was attempting to filter a particularly gummy solution. An ordinary filter proving inadequate, he began to set up a suction filter. As this was the first of its kind in that particular section, the rest of the class stopped work to watch. But when the filter was completed, and the suction cock turned, the filtrate began to bubble in a mysterious manner. The onlookers were baffled until one observing soul remarked, "Hey, you hooked it on the gas."

## Bug's-Eye View of Cloth Fiber Shown

Society of Arts Lecturer Uses  
Microscopic Lectures  
of Textiles

A walk through the wonderland of a textile fiber was conducted by Professor Edward R. Schwarz in the second Society of Arts popular science lecture at Technology Sunday afternoon at 4 o'clock. Speaking on "The Romance of Textile Technology," Professor Schwarz described the ingenious scientific methods employed by textile engineers in the production of new and beautiful fabrics.

By means of a unique series of photographic slides taken through a powerful microscope, the audience was taken among the fibers for a bug's-eye view of their complex structure. The speaker described some of the properties and paradoxes of yarns and fabrics, illustrating his remarks with novel experiments. He explained how a fiber's fingerprint is taken, and how bacteria, ex-rays, and the rainbow are employed in textile research. He also told how recent discoveries in physics, chemistry, and biology are applied by the textile technologist in improving the colors and durability of fabrics and in developing new textiles.

Following the lecture, the textile laboratory of the Institute was opened for inspection.

## LEADING BOWLERS TO MEET TONIGHT

Commuters' Bowling League Is  
Sponsor of Contest

Newton and Belmont, leaders of the Commuters' Bowling League, will bowl today at 5:05 in Walker. Tudbury and Cobb, leading scorers in the league, will represent these teams in the matches. Tudbury of Newton and Cobb of Belmont are high triple and single string scorers respectively. Winchester will play Melrose at the same time. Teams representing other communities are wanted for the competition. The present standings are:

	Won	Lost	Pins
Newton	2	0	2150
Belmont	2	0	1724
Medford	2	0	1349
Arlington	1	1	2180
Winchester	0	2	1545
Melrose	0	2	796
Watertown	0	1	.....
West Roxbury	0	1	.....

The high scorers are:

High Triple String	
Tudbury (N)	267
Tudbury (N)	260
Cobb (B)	257

High Single String	
Cobb (B)	98
MacAllister (A)	97
Tudbury (N)	95

existed among Runkle, Hayden, and the Grads. A playoff will be staged next term, with Hayden meeting Runkle in a two-out-of-three series.

## T. E. N. Will Hold Banquet Tonight

Many Important Guests and  
Speakers Will Attend  
Annual Affair

Tonight the Tech Engineering News is holding its annual banquet. Among the guests present will be Dr. Karl T. Compton, Dr. Bush, Dean Prescott, Dean Lobdell, Dean Goodwin, Professor F. K. Morris, Bursar Ford, Mr. F. G. Fassett, Jr., Mr. J. R. Killian, Jr., Mr. A. W. K. Billings, Jr., and Mr. Ralph Jope.

Following the banquet there will be speeches by Mr. William C. Packer, editor of the Boston Globe, radio speaker, and student of national affairs, and Professor F. A. Magoun, professor of Humanities at the Institute. Announcements of the new Senior and Junior managing boards for Volume XV will be made. A prize will be awarded to the winner of the point system, who will be announced at the same time.

This banquet marks the end of the present board's management. Their last issue will appear tomorrow together with the flashing sign display.

## SIGNUPS END SOON FOR CORP. XV TRIP

Signups for the annual New York trip of the Corporation XV will close on this Saturday, Jan. 20, according to an announcement made recently by those in charge of arrangements. It is hoped that enough signups will be received so that the cost of the trip will be made as small as possible for those attending. At present, all expenses, including hotel accommodations, meals, and car-fares, are figured at \$20 per person.

The essential features of the trip will include a visit to the Bush Terminal Co., "an industrial incubator plant" which hatches out many small businesses; an inspection of the J. Walter Thompson Advertising Agency, one of the largest of its kind in the world; a tour of New York Harbor; and a visit to Macy's Department Store, the largest department store in the world.

Novel features of the trip will be the luncheons, for the party will dine in a Swedish and a Russian restaurant. If enough men go on the trip to make the additional expense worthwhile, the party will take in the musical comedy, "Gowns by Roberta" at no extra cost.

The trip will be made by bus, starting from Boston on Monday, Jan. 29, and returning from New York on Thursday, Feb. 1. Signups may be made in Room 1-181, where copies of the itinerary may be obtained.

## VOLUME LIII OF THE TECH WILL END IN FINAL BANQUET AT PARKER HOUSE

Willis J. Abbot Heads Distinguished List of Guests Including the Founders of THE TECH

Volume LIII of THE TECH soon will be no more. One more issue remains, and that will be the special publications number this Friday. In it a new staff will be announced, and so will be ushered forth Volume LIV. Climaxing this year's work on THE TECH will be the annual formal banquet Thursday evening at 7:00 o'clock in the Parker House.

The speaker of the occasion will be Willis J. Abbot, former editor and now a member of the editorial board of the Christian Science Monitor.

President Karl T. Compton, the members of the Advisory Council on Publications, three of the founders of THE TECH, two former editors, the three general managers of the other undergraduate publications, Track Coach Oscar Hedlund, and Vice-Pres-

## T. C. A. Begins New Policy in Book Exchange System

The T. C. A. is changing its book exchange system. The system will greatly reduce the possibility of losing books which are waiting to be bought. Three small cards will be filled out for each book, one is put on file, one is pasted in the cover of the book, and one is given the owner as a receipt. All of the cards are filled out in one operation by means of carbon paper. Judging from the rate of turnover, the new system should be in full operation before the beginning of the second term.

Because of the great chance for loss, slide rules and instruments will no longer be accepted for sale.

## Hold Sign-ups for Dinner Dance Now

Reservation for Dormitory  
Formal Affair Is  
Two Dollars

Sign-ups for the fourth annual Dormitory Dinner Dance will be taken today, tomorrow, and Thursday, between eight and nine o'clock, in the Dormitory Committee Room. The sign-ups will be two dollars, and another two dollars must be paid for redemption before the dance on February 9.

Dinner will be served about seven o'clock, followed by dancing until three o'clock. The affair, which is formal, will be held in the main hall of Walker. There will be open house in the dormitories before and during the dance.

Tables for parties of eight or ten will be available if application is made sufficiently early. Since part of the expense is being paid by the Dormitory Committee out of the profits of previous dances, outsiders may secure reservations only after the midyear vacation when the dormitory men have had their choice, and then at the price of five dollars.

Redemptions for the sign-ups will be made in the Dormitory Committee Room on February 5, 6, and 7.

The committee in charge of the dance consists of G. Kingman Crosby, '34, chairman; Glen P. Woodbury, '34, in charge of the orchestra; Fred W. Vaughan, '34, in charge of publicity; Charles H. Lucke, Jr., '34, in charge of the menu; Maynard A. Sayles, '34, in charge of decorations; Edgar B. Chiswell, Jr., '34, in charge of ushers; and Herbert Plass, '34, in charge of chaperones and guests.

## Varsity Skaters Top Mass. State by Score of 4-2

Hrones Stars for Engineers by  
Making Two Unassisted  
Scoring Rushes

DALEY ALSO DOES WELL

Continuing the inspired play shown against Army the week before last, Technology's varsity hockey team came through with its second straight win, and its third of the season, by downing the Massachusetts State cohorts, 4 goals to 2, in a game played last Friday at 5 o'clock in the Boston Arena.

Ex-Captain Johnny Hrones, who has played a regular defense post all season, was the scoring hero of the encounter, tallying two unassisted goals, which came in the first and second periods. The return of Hrones to the scoring column brings back reminiscences of his two previous seasons, he played principally on the forward line.

Goodwin Scores First

Another prominent player last Friday was Paul Daley, first-liner center, who passed to Herb Goodwin for the Engineers' initial counter, and later scored one himself on an assist from Roger Williams.

The game was marred by an unfortunate incident when Ambrose McGuckian, the visitors' goalie, was struck in the face by a flying puck from the stick of Jean Leman, Beaver forward. A broken cheekbone was the result for McGuckian, but he retained enough energy to prevent a goal from scoring.

Activities on the ice will now be suspended until the new term. The next game, the eighth on the Engineer schedule, will be played with Williams, at Williamstown, on Saturday, February 10.

## BELL'S RETURN TO ACTION IMPROVES TRACK PROSPECTS

Outlook Bright with Many Men  
from Last Year Back  
This Season

FIRST MEET JANUARY 27

By OSCAR F. HEDLUND

With such outstanding men as Captain Dick Bell, Walt Wrigley, and Al Greenlaw among the veterans back for this year's team, track prospects for the 1934 indoor season are much brighter than usual.

Bell, of course, is the best bet for scoring points, if his injury of last spring does not return to keep him out of action. From his showing in practice and in the handicap meet of a week ago, when he easily won the 50-yard dash from scratch, he appears to be completely rid of the strained leg which kept him out of all the 1933 outdoor meets except the first.

The Technology leader climaxed his achievements on the boards last winter by being clocked in seven seconds flat in the 70-yard dash at the I. C. A. A. A. meet at New York. This time equalled the world's record made by Loren Murchison. Later at a meeting of the timers it was decided that there must have been some mistake, even though their watches had said otherwise. As a result they reannounced Bell's time as one-tenth of a second slower, putting him in a tie for the intercollegiate championship with Kelly of Georgetown University, who has the same time for the 70-yard event.

Relay prospects are also bright, for three-fourths of the 1933 quartet are back this season. Walt Wrigley of Haverhill, Herb Schwartz of

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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In charge of this issue: R. G. Vincens, Jr., '37

SAFE FOR DEMOCRACY

TWENTY years ago war broke out in Europe. One of its major causes was the meteoric rise to power in world affairs of the German Reich and the jealousy of France and England engendered by this advance. In the German state the balance of power lay with a militaristic faction. This wild group led the nation into a war with results familiar to all of us.

The war brought Allied propaganda, atrocity stories. The people of a civilized world were charged with hate and loathing toward the German people. Even now, fifteen years after the armistice, similar propaganda, the product of French and German-Jewish minds, is being distributed.

As a result we have never had, and we may never have, a true conception of the German people.

At the present time an oriental people, the Japanese, are enjoying successes similar to those of pre-war Germany. Likewise the balance of power in Japan is in the hands of the militarists. A panicky China and a jealous Occident have commenced to flood the world with tales of the "inhuman" Japanese.

If the world war achieved nothing else it should have taught us how deceitful a government may be to further its own ends and how little fitted we are to judge a race 6,000 miles distant.

Our only contact with Japan has been through the products of Japanese capitalists and the actions of Japanese militarists. Neither of these is fairly indicative of the race they represent.

Let us remember that the Japanese may not be the great "danger" to the civilized world that manufacturers of war materials would have us believe. Let us consider awhile before we don uniforms and march off to the strains of martial music to fight for "our" country, for freedom, and to make the world "safe for democracy."

Under present conditions the possibility of a true democracy is too slight to justify the expenditure of one human life.

OUR SHRINKING GLOBE

WHEN the Italian armada under General Balbo flew across the Atlantic last summer, there was much talk here about the possibilities of aerial attack from Europe. There were even some individuals, in our own country as well as abroad, who hinted that the Italian war ministry was merely trying out its long range offensive weapons and gathering experience for their use. However, the elaborate preparations, continuous delays, and numerous landings necessary demonstrated that for the present at least we are still fairly safe from hostile air forces trying to make westward crossings of the Atlantic.

Now our own eyes are turning westward. Last week's epochal flight by the navy planes from our west coast to Hawaii in twenty-four hours has proved that our militarists are not asleep. Although the Japanese militarists may make capital of every possible hint of demonstration by the United States, we are not entirely convinced that they are unjustified in this case. But the demonstration was probably put on not so much for their benefit

as for the practical training given the personnel of our navy, we know that we can cross the Atlantic in an easterly direction; and now we know that the other side of the Pacific is within our reach. So does Japan. It is unfortunate that such aeronautical experimentation had to be carried on by one of our military departments. The flight added much to the advancement of commercial flying and may be justified on that account. The Navy happened to be the only department of the government in a position to carry on such work.

RESERVE "PROMENADE"

ACCORDING to Noah Webster the freshmen have a perfect right to call their dance the freshman Prom, for Webster defines the word promenade as a "large dance or ball." Without a doubt the dance will come up to the expectations of the Committee and assume the proportions of the definition.

However, a custom has grown up at Technology which restricts the use of the title "Promenade" to the major affairs given by the Junior and Senior Classes and the one big Dormitory dance.

Of late, the custom has fallen into the discard. The freshmen and Sophomores have promiscuously affixed "Prom" to posters advertising their dances. May we suggest emphatically that the lower two classes seek other captions for their posters.

THE WORRY PERIOD

IT IS about this time of the year, with exams looming out of the altogether too near future, that students start to give serious thought to their scholastic standing and begin their semi-annual worry period as to their fate. On one hand they hear the arguments of those who thunder that on their rating depends their future success, that there is a close correlation between marks and money. And then they remember the sneers of various acquaintances who had pointed out, with illustrations, that all great men had been miserable failures in school.

Success in life, whatever is meant by that vague phrase, depends on many more factors than are necessary for scholastic accomplishment. To be sure, the traits that make for high grades help in after life, but a great many abilities that aid not at all in entering the honor group are of the utmost importance in many lines of endeavor.

Except for those who enter fields where they work alone as a rule, the dominating quantities in the worker's environment are the people with whom he comes in contact, and for that reason, personality, shrewdness in judging character, the proper mixture of caution and gambling instinct have as much to do with success as technique and specialized knowledge.

5:15 ACTIVITY

IF THERE were any skeptics who retained up to the last moment any vestiges of doubt as to the need and desirability for a meeting place for the Institute's commuters, surely the extensive use of the room in the one week of its existence has caused them to retire their objections and admit their mistake.

Every day since the room has been opened, a sizeable crowd has gathered there not only at lunch time, as one might expect, but throughout the entire day. Unfortunately the number of people frequenting the room is increasing at an alarming rate, and undoubtedly the 5:15 Club will have to restrict it to members within a short time.

The commuters, too, are justly proud and appreciative of their lounge. Recently the Institute purchased a radio-phonograph which has been placed in the room. We hope that they will not abuse their privileges to the extent of causing discomfort to those occupying the offices surrounding the lounge.

But assuredly the commuters have too much common sense and courtesy to do this. Their actions in the ten months of the organization have been worth while and in the interests of the student body, a particular section of the student body it is true, but this is insignificant in view of what little the student body does to help itself.

In face of the short but notable record of rapid growth that the 5:15 Club presents, how is it possible for the rest of the student body to refrain from offering whole hearted support to the organization? For the non-member commuter, the 5:15 Club has much to offer for a small registration fee.



Truth is a woman; we must not use force on her.—Nietzsche.

Sleep and the Woman

"What is the most beautiful thing in the world?" The instructor said this and paused, for this was the inception of the Socratic Method. Get them to think, reasons the English Department, and our Cause will be Purposive.

A plucky soul spoke up. "Sir," said he without too much impetuosity and looking askance for the approval of his mates, (Why do they all address an English instructor as "Sir"?) "the most beautiful thing in the world is a woman."

And then the bull flowed, oh, richly it flowed, until someone had another idea. "Sir," said he again (See, they all say "Sir" in an English class) "I think that sleeping is the most beautiful thing in the world." And so went the hour, devoted to Socrates.

But the masterly ghost of a subtle dialectic made inspiration for He who follows the dangerous Mean, for up rose yet another, who claimed the floor and said, "Sir" (It's no use, we tell you they all do it), "Sir, after due consideration I have decided that, next to a woman, sleeping is the most beautiful thing in the world."

The Situation at Harvard

Lounger sub Two is going to cry on our shoulder again and tell us, once more, that We Have Spoiled the Point of His Story, but we are going to do things to it. And by the way, if you think we are picking up the Sarcastic Capitals from Brother Alpha, you can just go Climb a Tree. We have known All About them for Years.

Two freshmen, representing the Institute, were lost in Harvard Yard. Not knowing their way about, they had gone there expecting to find a museum.

Approaching a wandering Harvard student, (they knew it was by the color of its pants) they inquired their way to the museum. "I don't know exactly," he replied, "I'm a medical student. I don't get around here very often." The two adventurers paced on and stopped another student. "I've heard of it," this one replied, "but I don't know just where it is." Again they tried another who turned out to be a freshman and was afraid he couldn't tell them.

In utter despair, the twain approached a laborer, who was working in the middle of the street, and popped their question. The man looked up and replied without hesitation, "Sure, one block down and two to the left."

This just goes to show you, but we think there is a Reason Behind it All. Either their strange informant was a professor who was down in this odd orifice searching for Truth, or maybe it was a student who Knew His Way About, but his pants were so dirty they couldn't tell the difference.

FEBRUARY T. E. N. SURPASSES OTHER ISSUES THIS YEAR

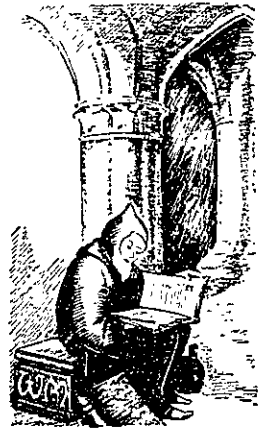
Main Articles Concern Atomic Theory, Public Works and Weather

Tomorrow the February issue of the Tech Engineering News makes its appearance. The issue is by far the best this year, and, being the last issue of the present volume, it seems that the editors have outdone themselves in their final effort before giving up their posts.

An outstanding article of timely importance is one entitled "Natural Philosophy," by Thomas H. Osgood. It deals with the atomic theory from the standpoint of uncertainty. A refreshingly different thing which one notices about the article is its non-technical aspect. At a time when the atom seems to be the common meeting-ground of all argumentative physicists, this article serves to make

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Brother Alpha



Seems when Jimmy The Moocher was Head Janitor of Building 2, Professor Passano, with his well-known taste for Interior Decoration, had a pallid bust of Caesar just above his office door. He

wouldn't permit anybody to dust it, Jimmy said, on account that made it Antique, like in the Old Country. But there was a scrub-woman they called Big Annie got in there one night and put Julius Caesar in a pail of suds and used the brush on him. So finally Old Abruzzi, he was janitor that time in Building 10, he told them how they made Antique Statues in Italy, and they decided to bury Caesar out beyond the Hangar. Jimmy took certain sights from the landmarks there and made a chart on a piece of parchment, which he tore in two and gave Professor Passano half. Two years later they wanted to dig it up. But seems the Location of Site came under the Dean of Engineering but the actual digging was Archeology and came under the Dean of Science. While the resulting Jurisdictional Dispute was being adjudicated, Jimmy lost his job and disappeared with the other half of the parchment.

This Week in Walker

We read in this Stanley Walker his Night Club Era all about the people he met on Broadway when he was City Editor of the New York Herald-Tribune, all about Walter Winchell and Jimmy Walker and Texas Guinan and the Bulls. There is no Psychological Apparatus to connect these Biographies with Humanities, but the people are real enough, even the Bulls. Just human, not Angels of Mercy riding round in cars with radio in them like those in the Saturday Evening Post. "Most of them are, within reason, courteous. Physically the force is admirable. As for brains, few of them are notable but they have come a long way from the old-time sodden, surly flat-foot." Of course in the Movies we don't admit it.

All nice people on this earth have read all of Sara Teasdale's Books, and now Strange Victories, the last twenty-two poems, some written just before her death, is a book to own and not to loan to other people. The darkening garden, the moon's ending,—

Moon, worn thin to the width of a quill.  
 In the dawn clouds flying,  
 How good to go, light into light, and still  
 Giving light, dying.

This Cannery Boat by Takiji Kabayoshi and others in the Proletarian Literary Movement in Japan is strongly spiced propaganda, full of good Russians and fat Barons of Industry. There is evidently enough truth in it so that Kabayoshi was arrested by the police in February of 1933 and tortured to death. The body was turned back to friends with marks of branding, one wrist reversed, and a hospital certificate of heart failure. Impossible to say whether the Big Navy Men and the California Native Sons will like this book or not.

This Thomas Mann in Past Masters has made a collection of his essays from far and near, and he hasn't mentioned Hitler. Now this Bonaparte was rather put out when Madame de Staël wrote a book on Germany and didn't mention him. But Thomas Mann makes clear enough that there is a gauntlet to be run "against shams and injustices and the besetting of the people, against the lying confusion between, shall we say, high-flown patriotism and big business." It came into touch with cosmopolitanism, Europeanism, primarily in German, and my contacts were called Goethe, Lichtenberg, Schopenhauer, Nietzsche and Wagner." And what an incomparable essay on Richard Wagner is here! What a pleasure to come into contact with a first-rate mind!

Louis Stone his Larrikin, from the slums of Sydney, Australia, has everything that a book on the slums should have, and an endorsement by John Galsworthy thrown in. Mrs. Yabsley, Chook and Pinkey,—no nicer people since Fielding wrote Tom Jones.

Traveller's Checks

As a Convenience and a Precaution

KENDALL SQUARE OFFICE



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# SUMMERS WINS SQUASH TITLE

## Victory Is Fourth Win in Five Years by Squash Coach

Regains Crown From Skillman, Who Defeated Him for Title Last Year

CAME TO TECH IN 1929

Jack Summers, squash coach at Technology, won his fourth national professional squash racquets title in five years on Sunday, when he defeated the defending titleholder, John Skillman, of Rye, N. Y. After trailing his opponent in the first two games, and within two points of losing the third, and deciding game, Summers rallied to carry the game into an overtime and win in the play-off. The final scores were 11-15, 4-15, 18-14, 15-2 and default.

The default in the final game came as a result of an injury to Skillman's foot. He had managed to hobble about the court in the fourth game but was forbidden by the doctor to continue in the last.

Lost Last Year

This is the fourth time in five years that Jack Summers has won the national title, losing only last year in the finals to Johnny Skillman.

Summers has been squash coach at Technology since 1929 when he was chosen to be the first squash head there. Until that time enthusiasm in the game had been lethargic and not many had turned out to the newly built courts. The success of the move of appointing him coach was at once apparent for more than 180 men began using the courts each day and now the courts are so overcrowded that there is a demand for more space.

## Squash Team Wins Over Yale, 3 to 2

Summer's Charges Score Second Intercollegiate Win in Single Week

Technology's squash team won its second intercollegiate meet last week when they traveled to New Haven and turned the tables on Yale, by the score of 3 to 2. Earlier in the week the team had downed Dartmouth by the same score. Coach Jack Summers was not present at the meet, being in Philadelphia at the time competing in the National Professional Squash Racquets Championships.

The best exhibition of the day was given by Eder, who after trailing Howard of Yale, 2-1, came back to take the next two games from his astonished opponent and win the match. Lucas, who is still handicapped by the frozen hand he received during the Christmas vacation, entered the first meet since the injury but dropped his match to Terry.

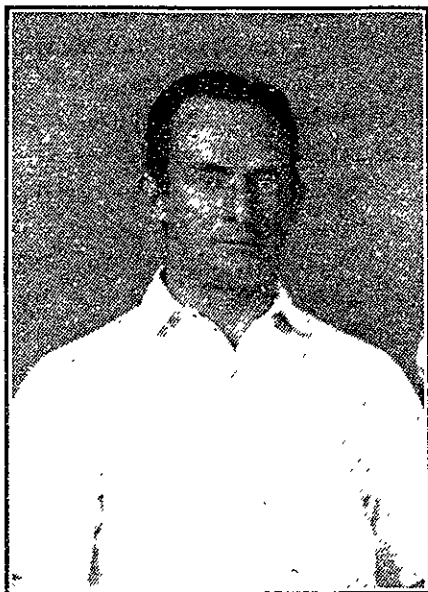
The team will meet Harvard next Saturday morning in an unofficial meet. The results of the Yale meet are as follows:

Terry (Y) defeated Lucas (T), 3-1; Eder (T) defeated Howard (Y), 3-2; Ingalls (T) defeated Goodyear (Y), 3-2; Stockhausen (Y) defeated Wood (T), 3-1; Newman (T) defeated Rogers (Y), 3-2.

## M.I.T.A.A. Wants Team for Dartmouth Carnival

In order to represent the Institute at the Dartmouth Winter Carnival, February 9 and 10, Neil Karr, President of the M. I. T. A. A., has asked all men interested in winter sports to report to Association's office in Walker tomorrow at 5 o'clock. These men especially are asked to report, since the captain of the team will be elected then: Morton Hausen, '34, Laurence Kauter, '36, Dick Fox, '36, David Mathias, '36, Harlan Hubbard, '36, Thomas Kinraide, '37, Neil Starr, '37, and Frederick Noyes, '36.

## Coach Summers Wins Squash Championship



JACK SUMMERS

## Natators Lose to Williams, 49-28

Church Defeats Vaughan Twice in Distance Duels; Paige Wins in Dive

Showing a brief evidence of power, the varsity swimmers dropped their third meet of the year to Williams, 49 to 28, at the University Club Saturday afternoon.

The feature of the meet was the rivalry between the two captains, Vaughan of Technology and Church of Williams. Rivals for the past two years, the two men each had defeated the other in official competition, with Vaughan the victor in last year's meet. Saturday's result will have to be taken as final, as both are graduating this year. Swimming against Vaughan in both distances, the 220 and the 440, Church twice took the measure of the Engineers' captain. Vonnegut and Muller found the breast-stroke easy wins as they took the first two places, while Paige, DuRoss, and Granberg gave sterling performances.

The varsity does not enter intercollegiate competition again until February 10, when they meet the Boston University natators.

The results of Saturday's meet were as follows:

300-yard medley—Won by Williams (Robinson, Smith, Reynolds); second, Tech (Edmonds, Muller, DuRoss). Time, 3m. 29.1-58.  
220-yard free style—Won by Church (W); second, Vaughan (T); third, Morrison (W). Time, 2m. 31.1-58.  
50-yard free style—Won by Boyle (W); second, Granberg (T); third, Gravenhorst (W). Time, 26.2-58.  
Dive—Won by Paige (T), 74.31 points; second, Blake (W), 72.68; third, Brinkerhoff (W), 71.63.  
440-yard free style—Won by Church (W); second, Vaughan (T); third, Hayes (W). Time, 5m. 42.2-58.  
150-yard backstroke—Won by Edmonds (T); second, Potts (W); third, Morrison (W). Time, 2m. 3-58.  
200-yard breaststroke—Won by Muller (T); second, Vonnegut (T); third, Smith (W). Time, 2m. 35.1-58.  
100-yard free style—Won by Reynolds (W); second, Boyle (W); third, Granberg (T). Time, 1m. 38.  
400-yard relay—Won by Williams (Gravenhorst, Potts, Church, Robinson); second, Tech (DuRoss, Vaughan, Summers, Granberg). Time, 4m. 2.1-58.

## BELL'S RETURN HELPS PROSPECTS FOR TRACK

(Continued from Page 1)

Saylesville, R. I., and Dick Jarrell of Newton are the veterans. From this trio and Ed Walsh and Rudy Rosas, now graduated, the 1933 team was selected. At the end of the season straight "T's" were awarded to all five for their exceptional work.

There are several promising candidates for the vacant position. Mel Sousa, from Gloucester, and Al Greenlaw, a junior from Rockland, Me., are among the outstanding ones. The latter is also a mainstay on Assistant Coach Bob Bowie's outdoor field event team. Sousa is in his last year and hopes to make the first-string outfit this winter, having run with the seconds last year. Among the other quarter-milers are Charles Hill of Malden and Dick Hitchcock, Belmont boy from last winter's freshman team.

Technology appears to be rather well fixed in the distance events. Mort Jenkins looms up as a potential

## Wrestling Team Wins by 18½-11½

Defeats Rochester A & M as Freshmen Also Triumph

Technology's wrestling teams won two matches in the Hangar Gym last Friday night when the varsity defeated Rochester A & M 18½ to 11½ and the freshmen downed Browne and Nichols 25½ to 6½. The varsity clearly showed its superiority over the New York by winning all but three matches and tying one of these.

The match between Marderosian of Technology and Captain Clark of Rochester in the 126 pound class which ended in a draw after two overtime periods was the best of the evening. Clark is one of the best wrestlers of his weight in collegiate circles, having won all his bouts last year and this year until he met Marderosian, and the latter displayed some excellent work to tie him.

Of the other matches Captain Poole of Technology easily won in the 165 pound encounter over Tolbert of Rochester with a time advantage of 9 minutes and 5 seconds. Boyan of Technology was forced to default in the 145 pound match after he suffered a strained shoulder.

For the freshmen, the heavyweight match between Cestroni of Technology and Captain Johnson of Browne and Nichols, which ended in a tie after two overtime periods, was the feature, both wrestlers using the spectacular professional style.

The work of the varsity in defeating Rochester was more notable because Rochester had just previously beaten Brown by a good margin. Rochester rarely wrestled in the East, for the most part competing successfully against such strong western teams as Iowa State, Oklahoma A and M, etc.

There is a strong possibility that the varsity will wrestle Iowa State itself next term. The latter is making one of its infrequent tours of the East and negotiations are underway to arrange a match for February 21. Iowa State easily won the intercollegiate wrestling championships last year. Although several of its best men have graduated since then, it is still very formidable.

The results of Friday's matches follows:

118 pound—George (Y), defeated Schwader. Time, adv. 8m. 38s.  
126 pound—Mardo (T) and Captain Clark. Draw-two overtime.  
135 pound—Oshrey (T) defeated Morgan. Time, adv. 5m. 25s.  
145 pound—Becker (R) defeated Boyan. Default.  
155 pound—Isbister (T) defeated Parmelee. Time, adv. 7m. 35s.  
165 pound—Captain Poole (T) defeated Tolbert. Time, adv. 9m. 5s.  
175 pound—McCaughan (T) threw Campbell. Time, 2m. 11s.  
Heavyweight—Alexander (R) threw Graham. Time, 7m. 6s.

point-scorer because of his exceptional work last spring on the cinders and last fall with the cross-country team. After gradually improving during the spring and continuing his running at various amateur competitions last summer, he proved himself to be a sensation at cross-country. With this experience behind him he should swell the Engineers' totals in this season's indoor distance events.

Bob Mann of Needham, captain of the harriers this past fall, Johnny Barrett, Lynn runner, and Johnny Talbert of Washington, 1934 cross-country leader, are all experienced men who are also expected to provide plenty of competition in the two-mile runs.

Stan Johnson, a sophomore, and King Crosby, veteran in his last year of school, are the best high-hurdlers on the team. The former, a Newton boy, broke the school records last season in both high and low hurdles. Such work, if continued this year, should make him an outstanding man for the varsity.

Assistant Coach Bob Bowie has several promising men working out for the field event competition. In the pole vault, he has Hal Dixon of Hollis, N. Y., Gordon Donnan of Quincy, Bill Stark, from Langhorne, Penn., and Roger LeBlanc, Manchester, N. H., man.

## Coach Hedlund Gives Indoor Track Schedule

Coach Oscar Hedlund recently announced the following indoor schedule for the varsity track team:

- Jan. 20—Holy Cross (here)
- 27—K. of C. Games (Boston Garden)
- Feb. 3—Millrose Games (New York)
- 10—B. A. A. Games (Boston Garden)
- 17—University Games (Boston Garden)
- 25—Indoor Class Meet
- Mar. 3—I. C. A. Indoor Meet (New York)

## FRESHMAN BOXERS DROP FIRST MEET TO HARVARD, 6-2

First Year Men Are Victims of Unpopular Decisions in Opening Contest

Getting off to a discouraging start, the Technology freshman boxing team dropped its first meet of the season to the Harvard yearlings last Thursday night at the Harvard Gym, 6 to 2. According to Coach Tommy Rawson, the plebes were the victims of prejudiced decisions and unsportsmanship conduct on the part of Harvard authorities.

Bob Thorson, who had outpunched and outboxed Olney of Harvard throughout the bout and had his opponent on the verge of a knockout in the second round but failed to give the finishing touch, was given the short end of a decision which was unpopular with the spectators. Elmer Wirtz was given a draw by the referee, the father of his opponent, after the two judges had differed in their decision. The only win of the evening came as a result of a technical knockout when Geer of Harvard hit Dezendolt while the latter was on his knees.

In the other bouts, Cloffee of Technology fought Taylor to a draw, while Ewald lost by a decision, although he was the aggressor throughout the bout. The team was obliged to forfeit the match in the 115 pound class since there was no one that could make the weight.

Frank Lovering appears to be the best shot-putter in the school, doing about 42 feet at present. Jack Graham of Washington and Tom Brown of Cohasset, both from the freshman team of last year, are among the other promising weight-throwers.

The 1934 Engineer yearling team is better than those of the past two seasons. Houghton, Remalia, Corea, and Lipnick have been showing up well in sprint trials in practice. Faatz is the outstanding hurdler among the yearlings.

Pulsifer, Sabi, McClellan, Roberts, Cooper, Haskell, and Moffatt are the leading relay candidates. Hunt, Vogel, and Robbins are strong in the 600 event, while Guerke, Oakes, Hutchinson, and Matthews will compete for positions on the team as runners over the longer distances.

In the field events, Thomas, Kinraide, Sawyer, Schilling, Sabi, Wood, Ingle, Graustein, and Webster provide ample material for Coach Bowie to work with.

With the first meet a week from Saturday at the Boston Garden the Engineer coaches are working hard to find their best men for the events to be held.

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## Basketball Team to Play Crimson Tomorrow Evening

Lose to Tufts Saturday Night by 62-27 Score; Freshmen Downed Also

O'BRIEN MAKES 11 POINTS

Losing its third consecutive game since the New Year, the Technology varsity basketball team went down to defeat last Saturday at Medford before a superior Tufts quintet 62-27. With the annual Harvard game coming tomorrow evening at Harvard, the chances for a victory seem slight if past scores are any indication.

Last year the Crimson was responsible for one of the two defeats Technology suffered all season, winning out rather easily over a nervous Technology team 28-20. The year before that, however, Technology came through with a 14-12 win in one of the best games of the season. Harvard-Technology games somewhat resemble Harvard-Yale in that one can never predict the scores with any accuracy; and so even with such a seeming superiority on paper, Harvard might have a hard job to come out on top. The game, which will be played in the new gym near Harvard Square, will start at eight o'clock.

The freshmen also lost again, to the Tufts freshmen by a score of 40-15, and as a result they have yet to win a game.

The summaries follow:

TUFTS VARSITY			
	gls.	fts.	pts.
Kavanaugh, rf.	3	0	6
Harris, rf.	3	1	7
Grinnell, lf.	7	2	16
Lewis, lf.	1	0	2
Radvilas, c.	7	1	15
Cochran, rg.	2	1	5
Rogean, rg.	1	0	2
Yagjian, rg.	4	0	8
Woodworth, lg.	1	1	0
Davis, lg.	0	0	0
Totals	28	6	62

M. I. T. VARSITY			
	gls.	fts.	pts.
Garth, lg.	0	0	0
Demo, lg.	1	0	2
Kennedy, lg.	1	0	2
Schneck, c.	3	0	6
Murphy, c.	1	0	2
Benton, c.	0	0	0
Thornton, lf.	2	0	4
O'Brien, rf.	4	3	11
Totals	12	3	27

TUFTS FRESHMEN			
	gls.	fts.	pts.
Boyd, rf.	2	0	4
Yagjian, rf.	0	0	0
Spah, lf.	5	4	14
McConnell, lf.	1	0	2
Koith, c.	4	3	11
Harris, c.	0	0	0
Kyrios, rg.	2	0	4
Bentley, rg.	0	0	0
Lister, rg.	2	0	4
Colclough, lg.	0	1	1
Totals	16	8	40

M. I. T. FRESHMEN			
	gls.	fts.	pts.
Simpson, lg.	2	0	4
Rossano, lg.	0	0	0
Weppler, rg.	0	0	0
Zemansky, rg.	0	0	0
Thompson, c.	1	0	2
Crowley, c.	0	0	0
Wojtezak, lf.	1	0	2
Ulrich, lf.	0	0	0
Gay, rf.	2	1	5
Prouty, rf.	1	0	2
Totals	7	1	15

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### CALENDAR

Tuesday, January 16

- 5:00—Banjo Club Rehearsal, East Lounge, Walker Memorial.
- 6:00—Inter-fraternity Conference Dinner Meeting, North Hall, Walker Memorial.
- 7:00—Tech Show Rehearsal, Walker Gym.
- 7:00—Graduate Dance Band Rehearsal, East Lounge, Walker Memorial.
- 7:30—Sigma Chi Basketball Practice, Hangar Gym.

Wednesday, January 17

- 5:00—Aristocrats Rehearsal, East Lounge, Walker Memorial.
- 5:00—Unity Club Meeting, West Lounge, Walker Memorial.
- 5:00—Graduate Hall Club Dinner, North Hall, Walker Memorial.
- 6:30—Alpha Chi Sigma Dinner, Faculty Dining Room, Walker Memorial.
- 7:00—Dormitory Basketball, Walker Gym.
- 7:30—Freshman Basketball, Andover at Andover.
- 8:00—Varsity Basketball, Harvard at Harvard.

### FEBRUARY T. E. N. IS BEST OF LAST YEAR

(Continued from Page 2)

one cognizant as to the pros and cons of the situation.

An article which deals with the un-scientific but nevertheless vitally important Public Works program under the Roosevelt administration is presented by Clarence McDonough, '12. It tells of the problems of the present Publics Works Administration and how they are meeting them.

The secretary of the Smithsonian Institution, Charles G. Abbot, '94, is the author of an unusual article on the freaks of weather, that over-used topic of every day conversation. It vividly demonstrates the effect of the sun on weather, explaining the relation of solar variations to periodical changes in weather.

Present day offices, in fact almost any business organization we come in contact with, make use of countless devices to make bookkeeping and calculating easier. Human efficiency is fast being supplanted by the much greater efficiency of the machine. And yet we know comparatively little about these machines, without which

modern business would be considerably siowed up. "The Development Of Accounting Machines And Their Uses" ably relates the story of the developments of the machines, all of which has taken place in an amazingly short period.

An article on the use of the gyroscope for stabilizing modern aircraft, written by Athelstan P. Spilhaus, a graduate student at the Institute, deals with the ever-growing need for stabilization, and how it is being met by that very ancient mechanical device, the gyroscope.

In addition to the numerous articles, the digest portion of the news contains items about recent television advances, welding under water, air conditioning compressors, and many other comparatively recent developments of engineering.

W. M. N.

The most sympathetic and understanding college Dean in the country resides at Gettysburg college. It is reported that he left a dance, at which he had been a chaperone, early one evening. He walked quickly to his car, parked near the dance hall, and found a young couple occupying the machine. The dean politely tipped his hat, said nothing and walked home.—The Bowdoin Orient.

### OPEN FORUM

To the Editor of THE TECH:

The first paragraph of your editorial entitled "Co-operation Necessary," which appeared in the January 12 issue of THE TECH, summed up very clearly the reasons for the existence of the Railroad Club. However, I would like to add an additional point to those which you brought out. The possibility of affiliation with one of the existing professional societies was considered, and Mr. Brunner, President of the Civil Engineering Society, and I discussed a number of methods of co-operation. These ranged from regular membership in the Civil Engineering Society for those interested in railroads to a Railroad Division of the Civil Engineering Society, which would be virtually a separate organization, except in name. The great obstacle to such plans is the fact that, under any system that could be devised, the railroad men would be student members of the American Society of Civil Engineers, and as such would be entitled to certain privileges which do not interest most of the railroad men. The necessarily greater dues of the existing professional societies, affiliated as they are with national organizations, would therefore exclude many men from membership, for the benefits of the national societies would interest only a few of the railroad men.

The founders of the Railroad Club believed that after the organization had existed for a time, possibly a year, it might be desirable to apply for membership in the Combined Professional Societies, but we regard that as a matter to be considered later, when the actual needs of the Railroad Club can be seen more clearly.

FRANK H. MOORE, JR., '34,  
President of the Railroad Club.

### AS WE SEE THE MOVIES

RKO KEITH'S

"Let's Fall in Love"

The bill at RKO Keith's this week is the musical "Let's Fall in Love," starring Edmund Lowe and Miriam Jordan. On the same program Keith's present Bert Lahr, radio, musical comedy, and vaudeville headliner together with four excellent supporting acts.

The plot of "Let's Fall in Love" centers around Hollywood. A temperamental star walks off the lot leaving the producer and director high and dry. The role calls for a Swedish star and there are none available in the Movie City acceptable to the director.

He meets a girl in a circus concession. Struck with her beauty, he persuades her to place herself in his hands. His scheme is to foist her off on the producer as a great find. After a period with a Swedish family the director presents her to the producer as a Swedish society girl. The producer gives her the role and gives a big reception for his new "find." The director's fiancée exposes the girl as an impostor, but the director has fallen in love with her and everything ends happily.

W. M. R.

### INFIRMARY LIST

- Robert E. de Raismes, '37
- Ellington D. Wade, '36
- W. C. McKinnon, Employee
- Robert Dennison, Employee

Haynes Memorial Hospital  
William L. Howell, '35

### 19 GO ON S. A. E. INSPECTION TOUR

The period for signing up for the mid-year inspection tour of the Society of Automotive Engineers has been closed, since the list now totals 19, which is a greater number than it was originally intended to make the trip.

Much enthusiasm has been shown by the members of the society, and it is expected that the tour, which is the first to be conducted by the Automobilists, will be highly successful.

The group will leave Boston on Monday, Jan. 29, in four private cars; they will disband in New York on Thursday, Feb. 1. During the course of the tour they will visit the following plants: Browne and Sharpe Co., Pratt and Whitney Aircraft Corp., Chance Vought Co., New Departure Bearing Co., Sikorsky Aviation Corp., Aluminum Co. of America, and International Motor Co.

On Monday evening, the group will be addressed in Hartford, Conn., by Charles Chatfield, former head of the Aeronautical Department at the Institute, and now Assistant Director of Research for the United Aircraft Corporation.

### UNDERGRADUATE NOTICE

Groups of members of the 5:15 Club may use the new Commuters' Room by application one week in advance, while outside groups must apply three weeks in advance. There will be no charge unless the application is late when a charge of \$1 will be made.

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