

MASS. REG. NO. 12345
DEC 9 1938

Sophs Dance Tonight Atop Parker House

Airline Representative Speeds Here To Select Queen

GLEE CLUB TO SING

A queen will ascend the throne tonight at the annual Sophomore Dance. The Class of 1941 will do the honors on the Parker House roof, swinging it to the strains of Charlie Barnet's Orchestra. Arrangements have long been completed, and the second year men expect their dance to be one of the best dances of the year.

American Airlines will send the head of its Stewardess Department to Boston by plane to judge the queen of the Sophomore dance. Mr. Newton Wilson will fly here from Chicago to be present at the dance on the Parker House Roof tonight.

The queen, after having been selected from among the girls present at the dance, will be presented with a crown of sterling silver. Several newspaper photographers will be on hand to give her all the publicity that she deserves.

Winner Announced at Midnight

John B. Murdock, President of the Sophomore Class, will announce the winner at midnight, and then he and Charlie Barnet, orchestra leader at the dance, will officiate at her coronation. Up to the last few days, ticket sales have been rather slow, but Norman I. Shapira, '41, Chairman of the Ticket

(Continued on Page 3)
Sophomore Dance

College Workers Meet With T.C.A.

T.C.A. Host To Christian Associations At Tech Cabin

Twenty-five college Christian associations will be represented at the deputation conference to be held at Tech Cabin, Lake Massapoag, this weekend, the T.C.A. announced last night.

Representing Technology will be Frederick R. Henderson, G, and Wylie C. Kirkpatrick, '40. Mr. and Mrs. Wallace M. Ross will act as chaperones.

B.U. Professors to Speak

Professor McConnell of the Boston University School of Theology, will lead the discussions. The main group will leave from the T.C.A. office at three o'clock Saturday afternoon, arriving at the Cabin at about five. Reports from the schools, a talk by Professor McConnell, and a discussion are scheduled for that day. On Sunday two discussions, another talk by Professor McConnell, and a church service are scheduled.

Among the schools which will be represented at the conference are Mt. Holyoke, Pembroke, Smith, Stoneleigh, Yale, Bowdoin, Bates, Brown, Northeastern and Harvard.

Dinner Brings Canadians Together For First Time

For the first time in the history of the Institute, 26 Canadian students and Staff members gathered last Monday evening for a dinner at the Graduate House. Frederick J. Heath, G., originator of the idea, was toastmaster for the evening, and Professor Ernest F. Langley spoke briefly on the comparison of Canadian and American educational systems.

Professor Langley also expressed the hope, which was echoed by all present, that the future would bring further opportunities for Canadians to meet and discuss problems of general interest.

Departing Dean To Be Given Farewell Dinner

A farewell party in honor of the departing Dean of Engineering, Vannevar Bush, will be given by the faculty club at the Hotel Continental on Tuesday, December 6th. Dancing, cards, and several surprise events will follow the dinner.

Tickets are available through representatives of the Faculty Club in each department. The price of the tickets, \$1.50, covers the cost of the dinner. The expense of all the other features will be borne by the Faculty Club.

Dean Bush is leaving the Institute to assume his duties as president of the Carnegie Institution in Washington, D. C.

Temperance Poll Shows 87 Percent Of Voters Imbibe

According To The Voo Doo Poll A Large Majority Can Drink Sensibly

Results of the Temperance Poll conducted under the auspices of Voo Doo on November 23 were finally released last evening, and out of the 401 students who expressed their opinions on this subject, eighty-seven percent drink.

Ten questions were asked of the voters, and ranged from whether they drank before coming to Tech to whether they enjoyed a "good binge." A third of the students indicated that they would enjoy such a "binge", yet nearly three-fourths claimed the ability to drink sensibly.

Only 47 Teetotalers

From the figures, which have been tabulated elsewhere on this page, it can be seen that 123 men say they never drank before coming to Tech, and in a later question only 47 profess to be teetotalers.

(Continued on Page 4)

Voo Doo

Voo Doo Temperance Poll Results

Did you drink before coming to Tech?	a. Occasionally	189	
	b. Regularly	40	
	c. Never	123	
Do you drink:	a. To be a good fellow	94	
	b. For enjoyment	227	
	c. Not at all	47	
Do you drink when living at home?	Yes	114	No 281
Do you object to drinking?	Yes	105	No 142
	a. On moral scruples—None		
	b. Because of its physiological effects	83	
Do you really enjoy a good binge?	Yes	131	No 103
Do you believe in your ability to drink sensibly?	Yes	286	No 20
Would you lend your support, active or moral, to a movement definitely not one for prohibition, but to foster temperance and common sense in the use of intoxicating beverages?	Active—Yes	215	Moral support only—Yes 23
	No	163	
Would you actively oppose such a movement?	Yes	64	No 337

Menorah Society Gives Dance To Aid Refugees

A Refugee Aid Dance, to help in resettling those forced to flee Germany, is being given in Walker Memorial on Saturday, December 10 from 8:30 to 12 under the sponsorship of the Intercollegiate Menorah Society.

Dancing will be to the music of Syd Ramin and his orchestra. The Technology committee in charge of arrangements are Bernard F. Greenberg, '40, Stanley L. Jarrow, '41, and Harold Goldberg, '40. The tickets are priced at 55c. per person and may be obtained from any member of Menorah or from the members of the committee at the Dorms.

Besides Technology, Portia, Radcliffe, Simmons, Middlesex, B. U., and Emerson will be represented.

Institute Committee Moves To Track Down Field Day Vandals; Suspects Warned To 'Cooperate'

Gene Dennis's Band Will Play At Dorm Dance

Dance Will Be Informal; Price Set At \$1.50 Per Couple

Gene Dennis and his orchestra will furnish the music for the annual Dormitory dance to be held in Walker Memorial on December 16 from 9 to 1. As a result of a poll run by the dance committee it was decided that the affair is to be informal. Majority of the returns favored a price between \$1 and \$2, so it was fixed at \$1.50 per couple.

Edna Creighton Featured

Featured with the band as songstress is Edna Creighton. This orchestra was organized only about three years ago, and all its members are in the early twenties. Despite its comparative youth, it has played at many college functions, including the 5:15 Club's 1937 Harvest Hop.

Santa to Be There

High spot of the evening will be the appearance of Santa Claus. He will distribute no favors, but every one is assured that he will accept orders for Christmas and find out if each little girl and boy has been well-behaved. However, even if Santa gives away nothing, refreshments will be served.

The function is open to all students at the Institute. Tickets may be secured from any floor chairman in the Dorms or from any member of the dance committee.

Dorm Men Charter Deluxe Bus To N.Y.C. For Xmas

In order to obtain a twenty-three per cent discount a group of dormitory students have chartered a deluxe Greyhound bus to New York City. The bus will leave from Tech at 5:30 P.M. on Thursday, December 22nd, and make its return run on January second.

The cost of a round trip ticket will be five dollars. This will just cover the cost of chartering the bus and is not intended to make any profit for the sponsors. Only thirty-seven seats are available. Those interested can find further details on the Dormitory bulletin board or by inquiring at Hayden 303.

Senior Options Will Go On Sale Monday Morning

Saving Of 3.50 Made Buying Options For Senior Week Affair

Options for the 1939 Senior Week are to be on sale next Monday through Friday at a price of \$3.50 according to the Committee. They will be redeemable next spring for \$8.00. Total cost of individual events is to be about \$15.00, thus \$3.50 saving for those who buy now.

Senior Week will consist of its traditional events: the Class Banquet, the "Pops" Concert, the Tea Dance, Class Day, and the Senior Ball with a "big name" band. Graduate students as well as Seniors are urged by the Committee to come to these events.

Outing Club Will Hold Skiing Team Try-outs

Balknap Mountain, over 2,000 feet high, and one of New England's newest skiing developments, is to be the setting of the Outing Club's next trip. Under the direction of Rodolfo M. Schapira, '39, the group will leave Walker Memorial at 7:00 A.M. Sunday for the trip to Laconia, New Hampshire. Twenty-five members are expected to attend.

At Mount Balknap, tryouts in slalom and downhill will be held for the purpose of selecting the ski team. The team will take part in seven or eight intercollegiate ski meets during the season. The officials of the club announced last night that men with jumping ability are badly needed.

Soviet Laboratories Are World's Best For Metallurgical Research—Williams

This is another in the series of articles on prominent members of the faculty.

Russia today has the best-equipped laboratories in the world for metallurgical research, but they lack competent men to use them, in the opinion of Robert Seaton Williams, head of the Institute Department of Metallurgy.

Asked particularly the parts played by European governments in sponsoring scientific work, Professor Williams declared that all metallurgical re-

Report By Murdock Reveals Progress Of Probe

"Golden Eagle" Society Is Voted Down; Demand C.P.S. Report

Institute Committee sleuths are hot on the trail of suspected Field Day vandals, according to a report by John B. Murdock, '41, head of the special investigating committee.

Last night's Institute Committee meeting was highlighted by Murdock's report, and the passage of a motion requiring that if the suspected persons did not "cooperate" with the investigating committee, their names be turned over to the Dean's office.

Other action taken at the meeting included the defeat of a motion to grant recognition to the Order of the Golden Eagle as a Technology activity, discussion of the combined Professional Societies, and defeat of a motion to have the Institute Committee represented on the refugee committee formed at last Thursday's Nazi protest meeting.

At the last meeting of the Institute Committee Murdock's committee was appointed to investigate damage done to Institute property during Field Day weekend. The committee's report stated that letters had been sent

(Continued on page 2)
Institute Committee

Middlebury Team Wins Tech Debate

Speakers Discuss Alliance Between England And U. S.

Discussing the question "Resolved, that the United States Should Establish an Alliance with Great Britain", a visiting team from Middlebury College defeated an M.I.T. team in a debate held last night at 8 P.M. in the William Emerson Room of the new Rogers Building.

The Middlebury contingent, which upheld the affirmative of the question, was composed of Edward Drew, '40; Phillips Palmer, '39; and Glenn Leggett, '40. Mr. Leggett is president of the Junior Class at Middlebury. The Institute team, arguing the negative, included Nicholas Shoumatoff, '39; Paul Erlandson, '41; and Stanley Backer, '41. L. Hurley Bloom, '40, was chairman.

Judges for the debate, held in the Oxford style, were Professor Justus McKinley of Emerson College; Colonel Charles Thomas-Stahle, Head of the Department of Military Science at the Institute; and Mr. Myron Helpern, of the Touraine Glove Company. The next debate for Technology will be a contest to be held at Bates on Saturday, December 10.

Shaw, Moulton, And Fay Head Freshman Cabinet

At a meeting held Wednesday afternoon in the T.C.A. office, W. Hoover Shaw, '42, was elected president of the Freshman Cabinet of the Technology Christian Association. At the same time Bernard W. Moulton, '42, was elected vice-president and Robert J. Fay, '42, was elected secretary.

The Freshman Cabinet is composed of freshmen who have turned out for work in the T.C.A., and its members are usually picked to fill positions of responsibility in that organization during their succeeding years.

search findings in Russia are, of course, immediate property of the Soviet Union. In Germany, home of the Krupp munitions works, the finest and largest in the world, the Nazi government strongly encourages metals research, according to Dr. Williams, and maintains the National Laboratories besides having interests in the Krupp plant. As a whole the metallurgical research being carried on at the present time, compares very

(Continued on Page 3)
Williams

The Tech

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PAY AS YOU PLAY

School boy pranks are a lot of fun, even when the school boy is in college. Practical jokes are a lot of fun, too. A good hearty demonstration, especially in the spring, is still more fun.

All these things are fun. But the idea of fun stops when some one has to pay for the damage done in having the fun. And it disappears completely when the person billed for the fun is not the one who enjoyed the fun. There are several short and ugly words which describe that situation far better than "fun".

There is, for instance, the situation confronting the student body at the moment. Several weeks ago, around Field Day, someone had a swell lot of fun painting class numerals on the Institute buildings. And now that someone does not feel like paying the not inconsiderable bill for removing the paint he had such fun putting on.

The Institute Committee has a pretty good idea of who is responsible, and have so notified the person or persons concerned. No one likes to use short and ugly words, but unless the persons who did the painting own up instead of letting others shoulder the blame and expense, their conduct will certainly be best described by certain short and ugly words.

NO EFFECT WITHOUT THE DESIRE

The results of Voo Doo's temperance poll have finally been released to the students some nine days after voting was held, and while the whole idea was evidently intended as a joke on the Institute Committee or some clever advertising for Voo Doo, the affair reached such large proportions that further activity along this line was made practically necessary.

If Voo Doo actually intended to follow up the original idea of establishing a temperance league here at the Institute, the instigators of the plan should be applauded for their apparent interest and concern in such a worthwhile cause; but after receiving the results which the poll yielded, further action would give rise to doubts as to the merit of this scheme.

In the first place, the votes of the 401 students who were interested enough to express their opinions contradict each other in the different questions. Surely drinking sensibly does not include a "good binge," yet over a third of the voters approve of such an orgy, and in a later question almost three-fourths take pride in their ability to hold their liquor. Such a contradiction as this certainly cannot be accepted as intended in good faith—it would seem that 401 students

of the Institute took the poll for what it was and answered the questions with obvious promiscuousness.

Important to consider in any movement of this kind are the reasons back of the plan. The fact is that no one has moral scruples against drinking and only 83 are abhorrent to the practice for physiological reasons. It is evident that those who voted have no real objections to this type of indulgence, and surely those who approved of the movement would have taken the opportunity offered to voice their objections against drinking.

The whole plan was regarded with scepticism by the student body as evidenced by their lack of interest, and this poor response from the group which was to be "uplifted" by the proposed league should show clearly that such plans are not wanted or needed in Technology.

WORTHWHILE INVESTIGATIONS

Actually asking for trouble by restating their standing request for information concerning things that may be changed for the advantage of students and the Institute in general shows strength that we have waited some time to see in the Student Faculty Curriculum Committee. It is seldom that one hears anything of definite action due to the extreme care that must be exercised by this committee, but we are encouraged even by rumors of activity.

There has always been considerable misunderstanding caused by the fact that freshmen are required to choose their courses before they have had much time to consider their interests and abilities, or to learn precisely what is offered in the various departments at Technology. Although the catalogue is reasonably clear on these points, it is hardly fair to have men choose their studies as blindly as is the choice before the first term.

Of course, it is possible that this first choice may be changed, but is it necessary that they make any choice at all? True, it helps the Institute to plan on the future size of the staffs, but large trends should be sufficient for determining such things even though it would not be as accurate.

The situation is one that has more than one side, and one that merits investigation. We heartily congratulate the committee upon their courage and effort in trying to find a satisfactory solution.

SCIENCE IN BRIEF

By ARTHUR M. YORK, '38

Lesser Role for the League

However unsuccessful the League of Nations may have been in maintaining its prestige as an organization of international pacifism, it is still performing functions which can further the international welfare. Most recent is the action of the League to promote the standardization of antitoxins, sera, drugs, vitamins, and sex hormones throughout the world. The League has been moved to action by the belief that the lack of international standardization was the cause of many deaths during the World War when doctors were compelled to use hurriedly, drugs which were prepared under unfamiliar laboratory standards. (1)

Absolute Airplane Altitude

An absolute altimeter for airplanes, which is in the process of development, makes use of an ultra-high-frequency radio whose waves are reflected by the ground or any intervening object and received again by instruments in the plane. The new instrument is expected to give reliably the distance above any solid object, as contrasted with the present altimeter which gives only distance above sea level, and it is believed that, if it can be put into general use, it will be the greatest of all elements of safety in modern air transportation. (2)

Luminous Fish Bait

The latest thing in fishing tackle is a self-luminous lure; it is composed of a hollow, translucent, tube of a plastic material enclosing a tiny battery and electric bulb. Of course there are numerous hooks attached to the lure to catch the fish when he grabs at the flashy bait. It is intended to be used for deep-water fishing. (3)

Longer Lives Through Science

During the last century, man has used science to increase human life expectancy by about two decades. (4)

For more complete discussion of the above items, consult recent periodicals as follows: (1) Science News Letter, Nov. 5, 1938, p. 292; (2) Scientific American, Nov., 1938, p. 253; (3) Modern Plastics, Nov., 1938, p. 51; (4) New York Herald Tribune, Nov. 27, 1938, Sec. 11, p. 17.

Institute

(Continued from Page 1)

to the persons believed to be guilty, but that no answers had been received. After much discussion it was agreed that if these persons did not cooperate with the investigators in replying to the letters and paying for damages if proved guilty, their names would be turned over to the Dean's office for action.

Although a similar motion had been defeated at the November 4th meeting, one requesting official recognition of the Order of the Golden Eagle, an organization consisting of Technology students whose families have been American citizens for at least three generations, was submitted. The request was denied, chiefly on the ground that the society's constitution contained a clause which if accepted, would create a bad precedent,—that of supporting organ-

izations with a fixed political viewpoint—for future Institute Committee action.

CPS Report Is Demanded

Stuart Paige, '39, moved that the Combined Professional Societies submit a report of progress at the next Institute Committee meeting. Despite objections that one report had already been submitted this year, the motion was passed on the grounds that the CPS has had enough time to show some results.

The Committee also rejected the proposal of Elmer F. De Tiere, '39, that it be represented on the committee formed at the Nazi protest meeting November 24th to plan for the accommodation of a refugee student at the Institute. A report of the finance committee recommended that no money be given to the Technology Peace Federation, and a tentative budget for the Junior Prom was approved.

SPECIAL STUDENT PLANE TO CHICAGO

Train to New York—United Air Lines to Chicago
 Adjusted all-inclusive rate—\$70.25 Round Trip
 New Schedules Leave 12:00 noon Dec. 21st—7:30 A.M. Dec. 20th
STUDENT AIR TRAVEL BUREAU
 7:15 P.M.—12:00 M. TRO. 6046

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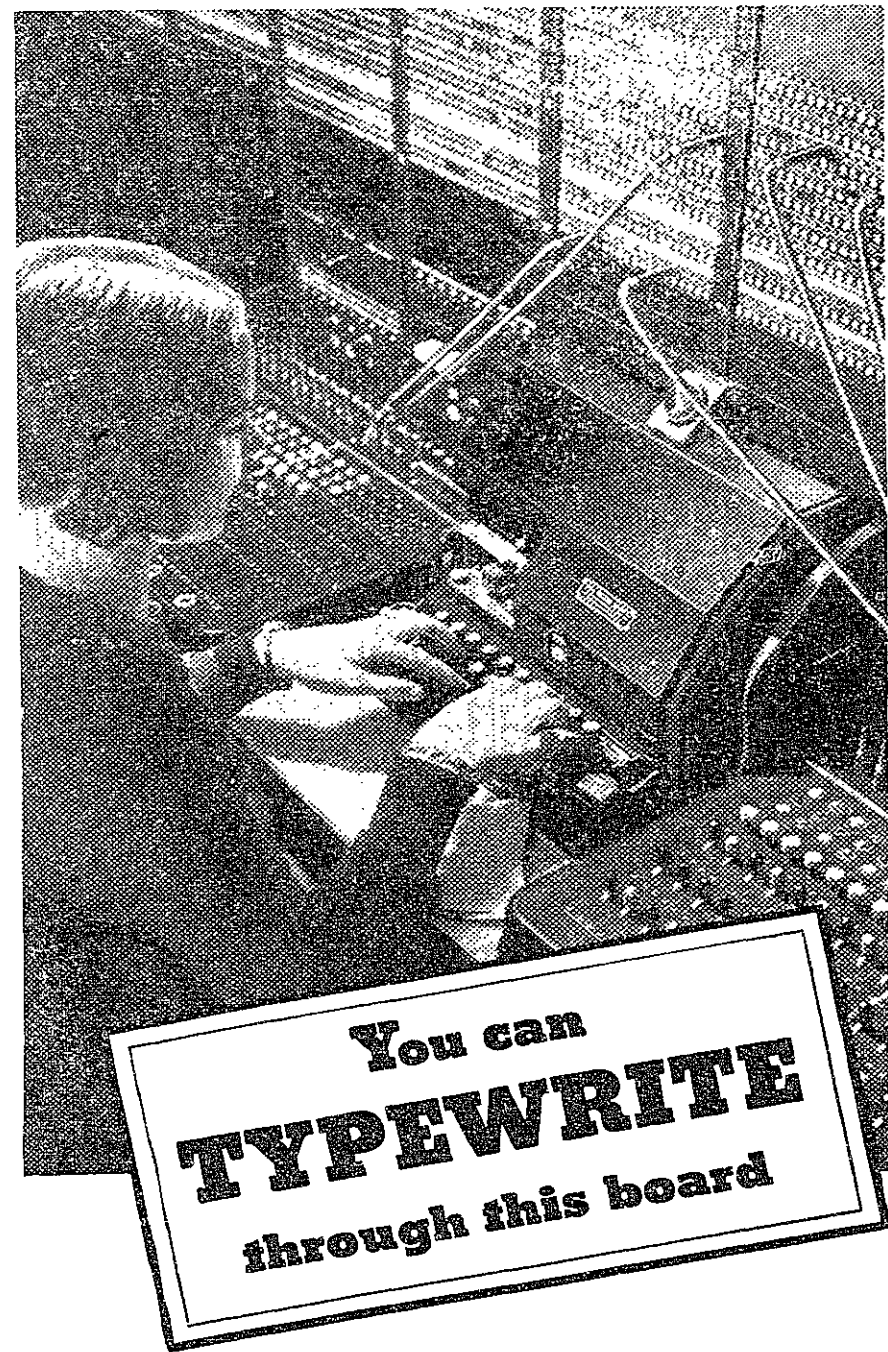
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BELL TELEPHONE SYSTEM

Iceemen Meet B. U. In Opener Tonight

Skaters Out To Avenge Five Year Jinx; Team Composed of Experienced Players

Tonight at eight o'clock the Tech team is going out on the ice in the Boston Arena, at Massachusetts Ave. and St. Botolph St., and once again engage the Boston Terriers in the opening game of the hockey season. With a team that looks better than last year's, our chances for victory are high.

Since 1933 Tech has not won its traditional opening game in hockey with Boston University. Last year the Boston Terriers nosed out our team by a score of two to one in the opening game and later on in the season again pulled the same trick, beating Tech by a score of six to five. However both these games were very closely contested as the scores indicate and it showed that last year's team must have been good. The Boston team won the New England Intercollegiate Championship while our team finished fourth with a record of six won and a like number lost.

Tech Has Veteran Team

This year only one of Boston University's veterans remain while at least half of our last year's team will again be on the ice fighting for our school. Because of this there is hope for our avenging ourselves against this traditional rival.

Starting practice in the hangar gym early in the term, the team went out on the ice as soon as possible. They have been working constantly three mornings a week for a period of three weeks, which should be a very favorable factor for the chances of the team to win its opener, as usually one or two practices are all that a team can muster before the initial game of the season.

Carrick Tops Stellar Squad

This year's team contains a very promising lineup, according to the hockey manager, Paul Keitel, '40. Outstanding is George Carrick, who will for the second year, hold the important job of guarding our goal. Carrick was voted last year's most competent goalie in the New England Hockey League. The knowledge that they have Carrick to guard their goal is a great inspiring factor to the rest of the team. Browning and Jerry Grace are the two wings, right and left respectively, on the front line and they are rated as exceptionally fast wingers.

Jerry Grace was a very consistent high scorer last year and the team is relying on him a great deal for this year's victories. Browning also promises to be a threat to opposing teams as his performance with the freshmen last year was most commendable. In the position of center we have Tom Langs, a Canadian, who will play this position for the third year. Clint Hillicker, a third year varsity man, is considered a mainstay of the team. In his position as Right Defense in the front line he must ward off any opposing players who may attempt to invade Tech's part of the ice. Nat Sage, a Sophomore, is the Left Defenseman in the starting lineup. Sage has been outstanding on the Freshman and Sophomore football teams in the Institute.

The first line's job is to hang up as many tallies against the opponents as possible while the second line holds the important job of playing a tight defensive. Captain Maynard Drury, a veteran wing, is the key man in this line. He has an outstanding record in New England Intercollegiate Hockey as a defense man. It is generally his assignment to "take care" of the opponent's high scorer. It has been generally observed that Drury in the past has taken on this responsible job and produced very satisfactory results for Tech. The goalie of the second line is Gordon, who has only failed to shine because of the veteran goal keeper, George Carrick. The rest of the second team contains Waller, Neal, Packard and Danforth.

An important factor in any athletic contest is the amount of support a team receives from a rooting section. Boston University with its co-eds, has always provided a huge section to cheer their teams onward. The TECH would like to urge each and every student at Tech, who is proud of his alma mater, to make every effort to attend this opening game tonight.

Every student who is proud of M.I.T. should be at the Arena tonight to cheer our team on to success.

Institute Musketeers Meet Arlington Today

Third match of the current rifle season will be fired tonight when the varsity marksmen meet a civilian team from the Arlington Rifle Club on the Technology range at 7:30 P.M.

Team Confident

The match will be a two position match with ten men from each team firing and the high five scores counting toward the team total. Each man will fire ten shots prone and ten shots standing for an individual possible total of two hundred points. Individual scores of 150 or team scores of over 900 are considered good in intercollegiate shooting.

Although they were defeated in their match against Wakefield last week, the sharpshooters are entering this match with confidence and should have an excellent chance to win. They lost only two men by graduation last year, so most of last year's New England Intercollegiate championship team is still firing. It has been reinforced by a strong contingent coming up from last year's freshmen, and the prospects are unusually bright for a winning team this season.

Squashmen Open With Dartmouth

Match Takes Place Today; Veteran Tech Team Is Favored

Coached by one of the best players in the country, the Institute squashmen open their season tomorrow afternoon at 2:30 against Dartmouth on the Institute courts in the Field House.

The Beaver team, as announced, will consist of Willard Babcock, '39; Robert Millar, '40; Alexander Thackara, '39; Irving Peskoe, '39, and Alfred Barton, '40, with Arthur Arguedas, '41 as substitute.

Babcock was top man on the varsity last year, and both Thackara and Millar played last year; Peskoe was on the junior varsity, while Barton, and Arguedas played on the freshman squad.

Correction

Owing to an unfortunate error, The Tech in its last issue announced that Monroe instead of Sigma Alpha Epsilon has finished second in the Beaver Key football tournament.

SPORTS COMMENT

When the Institute iceemen skate out on the rink tonight, there is no reason why they should not be greeted with a good "highty-tighty". The game is practically in our backyard—the Boston Arena—and admission is free to registered students at the Institute.

Those students who go will moreover see a whale of a good hockey game. B. U. was the league champ last season, but even they had a tough time clearing Tech out of the way. This year, the Tech team, with only one serious loss by graduation and with another year of experience behind it, should stand a very good chance of upsetting the Terriers.

Why not make the game do double duty—take your date to it, and so start the evening off by showing her that Tech has Men of Mighty Muscle as well as Men of Mighty Mentality. The game will be over in plenty of time to let you arrive only fashionably late to any dance which you have in mind.

Since it lost its recognition some years ago, boxing at the Institute has received less than little recognition. However, there seem to be a considerable number of people who are not impressed by this obscurity. Coach Tommy Rawson reports that he has seventy-five men coming out for instruction in boxing this year. Of this number, ten are freshmen. Furthermore the majority of this seventy-five are coming out regularly and often, not just occasionally.

The reason for the denial of recognition to boxing was that owing to poor physical condition too many of the men were hurt. However, in view of the number of men out regularly for practise and especially in view of the number of lower classmen in that number, it is quite possible that a squad sufficiently in condition and sufficiently skilled to warrant recognition again may come to be in a year or so.

For the past week, rumor has been staggering about the Institute that an ice rink would be built. Yesterday, the Dorm Rumor came forth with a positive denial that one was planned. On good authority, though, we have heard that a small practice rink would be started today on Coop Field; a rink, however, built only to see if the ground on Coop Field would hold water well enough to make it worth while building a full sized rink.

The reason given by the Dorm Rumor for its statement was that Boston does not have freezing weather for long enough periods to warrant building an outdoor rink. Whoever was responsible for that remark may have changed his mind in the last week.

One of the most cheerful thoughts for the basketball team this year is the tremendous improvement in Dick Wilson, the 6 ft. 5 in. center. He has emerged this year as a really competent man in his position, and his playing will doubtless have no small part in the success slated for the team this year. The game this Tuesday will tell much of the story.

The recent unseasonable heavenly precipitation—in other words, the recent snowstorm—certainly threw a monkey wrench in the workings of some sports. The fall tennis tournamenters took a look out of their windows last weekend and decided to postpone their tourney until Spring. The Dorm football league was in its last stages when Ol' Man Winter came along and postponed the final games indefinitely.

Sophomore Dance

(Continued from Page 1)

Committee of the Sophomore Dance Committee, announced that sales have been very heavy recently, and that most of the tickets are expected to be sold when the dance opens.

Tickets on Sale at Door

The dance committee decided that in view of the fact that many men were not entirely sure whether or not they could be at the dance, a special block of tickets will be reserved for those who wish to purchase them at the door.

The dance committee further announced that it would honor checks dated as far as one month in advance, or in the event that the prospective purchaser has no checking account, personal notes would be accepted.

During the intermission the M.I.T. Glee Club will sing for those present at the dance. Special arrangements have been made for those members of the Glee Club who wish to bring dates.

The following members of the faculty have been invited as chaperones for the dance: Major and Mrs. K. B. Lawton, Professor and Mrs. N. H. Frank, and Professor and Mrs. Alvin Sloane.

Williams

(Continued from Page 1)

favorably with that of the United States, Professor Williams admitted.

Professor Williams is well qualified to speak about research facilities in Europe, having received his doctorate at Goettingen, studying under the noted metallurgist, Gustav Tammen, and having collaborated with Professor W. T. Hall in translating several standard German texts on metallography and chemistry.

Dr. Williams has been associated with the Institute as student or teacher for forty years. Born in Hartford, Connecticut in 1880, he received his early education in the public schools of Jackson, Michigan. He was graduated from Technology in 1902, and returned the following autumn as assistant in analytical chemistry.

Upon his return to this country from Goettingen, Professor Williams became an instructor at the Institute, at the same time continuing his research. In 1924 he was appointed professor of analytical chemistry and metallurgy, and three years later he was removed from the Chemistry De-

(Continued on Page 4)

Williams

FLY WITH WIGGINS AIRWAYS

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Five Varsity Men Chosen To Begin In Harvard Game

Creamer, Schneider, Samuels Herzog And Farrell Are Choices

A formidable Technology varsity five will take on the Crimson five in the opening basketball game of the season, to take place next Tuesday in the Hangar Gym.

The opening lineup, as announced last night by Coach McCarthy to The Tech will consist of five experienced players: Paul Schneider, '39, center; Fred Herzog, '41, forward; Howie Samuels, '41, forward; Hap Farrell, '40, guard, and Captain Tom Creamer, '40, guard. The chief substitutes for the opening players will be Dick Wilson, '40; Sol Goldfarb, '41; Sanford Glick, '41; Mario Conti, '41, and Harry Mason, '39.

The game is sure to be a hard fought battle as is witnessed by individual records of the players in the opening lineup. Tom Creamer, the

(Continued on Page 4)
Basket Ball

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CALENDAR

FRIDAY, DECEMBER 2

6:00 P.M. A.S.M. Dinner in North Hall.
 8:00 P.M. B.U. vs. M.I.T. Hockey Game—Arena.
 9:00 P.M. Sophomore Dance on Parker House Roof.

SATURDAY, DECEMBER 3

1:00 P.M. Alumni Fund Committee luncheon in the Silver Room.
 2:00 P.M. Freshman basketball practice in the Hangar Gym.
 5:00 P.M. Sunday Evening Club Dance in North Hall.

SUNDAY, DECEMBER 4

7:00 A.M. Outing Club skiing trip to Laconia, N. H.

MONDAY, DECEMBER 5

8:00 A.M. Senior Week Committee breakfast in the Silver Room.
 2:30 P.M. Technology Dames meeting—Emma Rogers Room.
 6:30 P.M. American Institute of Mining Engineers dinner in North Hall.
 6:30 P.M. A.I.E.E. Intercollegiate Dinner—Dutch Room—Graduate House.

TUESDAY, DECEMBER 6

6:45 P.M. Annual Faculty Club Party—Hotel Continental.
 7:30 P.M. Harvard vs. M.I.T. Basketball in Hangar Gym.

Magoun Speaks At A.S.U. Forum

Engineer's Responsibilities To Society Discussed At Meeting

At a public meeting of the American Student Union held in Room 4-270 last Wednesday, Professor F. A. Magoun of the Division of Humanities spoke upon the subject, "The Social Responsibility of Engineers."

Stressing the importance of the social effects caused by engineering achievement, Prof. Magoun explained that the main problem confronting the engineer was not how to attain his objective, but rather how the results of the objective would affect the social world. Citing a vivid example of the opposite viewpoint, Professor Magoun then told his audience about two former Technology students who built a special concrete door for a local gangster, and thus aided this social menace in eluding police capture for several months.

Dance To Be Held

Besides Professor Magoun's speech, plans were made at the meeting for the New England District Conference, which is to take place in Cantabrigia Hall, Boston, December 10 and 11. An open dance, Saturday, December 10, will feature the Conference program, and single or couple tickets may be procured from executive committee members of the organization or from William Sussman, '40, of the Senior House.

Elections to the membership committee were also held during the meeting, and the following persons were selected: W. K. Yee, '39, Richard A. Bloomberg, '39, Harold Hershfield, '39, and Daniel Blitz, '40.

Basket Ball

(Continued from page 3)

team's able captain, is one of the fastest men on the team and a good scorer. Paul Schneider, on All New England in his Sophomore year, expects his best year this season. Hap Farrell, the President of the Junior Class, is on the Varsity for the first time this year. Fred Herzog, who showed exceptional promise last year as a freshman, is expected to be a great asset to the team this year. One of the outstanding players on the team is Howie Samuels, who was one of the highest scorers among New England freshmen last year. Samuels scored 133 points in 11 games.

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Dramashop Selects February's Play

Faculty And Undergraduates To Produce Robinson's "White-haired Boy"

At the annual dinner meeting-theatre party of Dramashop held last Wednesday at the Old Plantation, "White-headed Boy" by Lenox Robinson was decided upon as the next Dramashop play, which will be produced in collaboration with Drama Club, faculty dramatic group.

The play is a story of a wayward college youth who almost disgraces his family's name by being expelled from school. The family's schemes to prevent the expulsion from being discovered are finally made unnecessary by the boy's tardy reformation. Tryouts for the play will be held on Monday, December 5, from 4-6 P.M. in Room 2-190.

Tryouts for Radio Sketches

Announcement was made of tryouts for the weekly radio sketches to be presented on Friday afternoons at 3:30 by Station WCOB. All students, whether members of Dramashop or not, are invited to attend the tryouts at Station WCOB on Tuesday, December 6, at 2:30. Casts for the plays will be chosen from students at local colleges.

After the dinner meeting members and their friends saw "Dr. Faustus", Christopher Marlowe's play, at the Copley Theatre.

Williams

(Continued from page 3)

partment and made head of the physical metallurgy option of Course III.

Professor Williams is perhaps best known to students of American Universities and technical schools as the author, with Professor Victor O. Homerberg, of "Principles of Metallurgy." He is, moreover, a Fellow of the American Academy of Arts and Sciences, a Lieutenant-Colonel in the Specialist Reserve, and a member of numerous professional societies.

Glee Club to Give Broadcast Sunday

Program Over WEEI Opens Season; Other Concerts Are Planned

Broadcasting a program of six selections over station WEEI at 2 P.M. Sunday, December 4, the M.I.T. Glee Club opens its season of concerts after two months of preparation.

Directed by Henry J. Warren and under the student leadership of Alva L. Herman, '39, the organization consisting of 100 members, has planned two other appearances before Christmas. The first is to be at the Sophomore Dance, and the other will be a combined concert with the Simmons Glee Club on December 11.

Included in the program to be presented Sunday are "Adoramus Te" by Palestrina; "Divine Praise" by Bortniansky and Rydel; "Shenandoah", as arranged by Bartholomew; "Dr. Noster" (after Handel) by Herbert Hughes; "The Sleigh" (A la Russe) by Kountz and Baldwin; and the M.I.T. Stein Song, words by Bullard.

Voo Doo

(Continued from Page 1)

A surprisingly large number of men object to drinking, for, while only 47 do not indulge, 105 are against it. It is not made clear in the poll whether those against drinking wanted to express displeasure at others imbibing or whether they were eager to lose the habit themselves. However, it seems that quite a few students do not drink for pleasure, more than are indicated in the fourth question in which the majority stated they drink for enjoyment.

No Moral Scruples Against Liquor

The main objection to partaking of liquor is lost in the wording of the sixth question, for out of the 143 with objections only 83 were able to give the reason of physiological effects. The others evidently have different grounds for their opinions, though no one had any moral scruples about it.

General trend of thought might be best interpreted from the remarks made at the end of the ballots. One vote said, "I don't think what I do is any of Pulver's business," while another merely added a curt "Foo." One person's dignity seemed to be slightly wounded for he wrote, "Sir, I am a gentleman, and a gentleman knows how to drink." Several ballots contained the thought that "Every man should be drunk once a week," while some were of the laissez-faire school: "Those that want to drink may—it's their funeral." One questioned the entire procedure by remarking "Another W.C.T.U.?"

Temperance vs. Binges

Because of the small number of students expressing their opinions on the subject of temperance and of a temperance league at Tech, the poll does not offer any clue as to what definite conclusions could be drawn. The consensus of opinion of the 401 students who did vote seems to be, however, that there is no strenuous objection to a temperance league and no objection to having "good binges."

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Use of Light Alloys, Stress Models, Studied as Aids to Bridge Building

Stresses and strains in exact small scale models of giant bridges and the feasibility of using light weight alloys in the bridges of the future are being investigated in the Institute's Laboratory of Structural Analysis in an effort to cross their bridges before they come to them.

According to Professor John B. Wilbur, director of the laboratory, future bridges will be built of "materials such as duralumin and aluminum."

"Studies of bridge stress," said Wilbur, "indicate that many bridges of the present day have to use as much as five-sixths of their strength to support their own weight, allowing only one-sixth for the support of the 'live' weight of traffic. The light-weight alloys, already used in aviation, will eliminate much of that 'dead load,' and we shall have lighter, more rigid structures which will withstand more strain."

Initial High Cost Justified He explained that the initially

higher cost of the alloys, in comparison with the cost of materials used at present, would be economically justified because "through laboratory analysis and study we can build our structures with a saving on materials, and greater simplicity of design. Call it streamlining if you will, but what we are working toward is the elimination of unnecessary material in the whole structure."

Small scale detail models are important both as substitutes and aids to mathematical computations.

Polarized Light Employed

Polarized light is sent through an exact scale model of the part of the structure involved and the resulting color designs indicate the location of stresses. A number of models of this work are on display in the museum exhibit in the Main Lobby. This method is also used to determine earthquake and hurricane stresses on buildings.

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