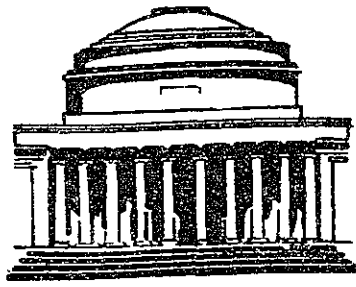


The Tech



Z-256

Volume LVIII, No. 49

CAMBRIDGE, MASS., TUESDAY, DECEMBER 6, 1938

Price Five Cents

Tau Beta Pi Selects New 1939 Roster

A. W. Dean, '92, Elected Honorary Member Of Society

100 WERE ELIGIBLE

Tau Beta Pi, national honorary engineering fraternity, elected twenty students and one alumnus to membership at a recent meeting.

Arthur W. Dean, '92, chief engineer of the Massachusetts State Planning Board and director of the American Society of Civil Engineers, was the alumnus chosen for honorary membership.

Three Juniors Picked

Of the approximately 100 candidates who were scholastically eligible, the following students, including three Juniors, were elected: John D. Detlefsen, Manning C. Morrill, Walter K. Halstead, James H. Laubach, Jr., John I. Herlihy, David S. Frankel, George J. Laurent, Perry O. Crawford, Jr., Robert J. Saunders, Philip D. Bush, William F. Pulver, William A. Smith, Will B. Jamison, Joe R. Weeks, Jr., Carl G. Lenk, Lloyd B. Magruder, Jr., and Holden W. Withington, all of the Class of '39. The Junior members are Franklin E. Penn, John L. Danforth, and Valentine deV. deOloqui, Jr.

The members were formally initiated at a dinner held at the University

(Continued on Page 4)
Tau Beta Pi

Options On Sale For Senior Week

R.O.T.C. Members May Have Option Cost Taken From Salary Checks

Sales of Senior Week Options started yesterday and are to continue through Friday of this week at the desk in the Main Lobby.

As an additional incentive blanks are now available at the booth which will enable Seniors to have the option prices deducted from their R.O.T.C. paychecks.

Options Save \$3.50

The price of the options is \$3.50, and they will be redeemable next spring for \$8.00. Total cost of individual events will be around \$15.00; thus, a saving of \$3.50 will be effected by those who make their purchases now.

Senior Week this year will consist in part of its traditional five main 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 to attend all these events.

Glee Club Will Present Third Concert Sunday

Presenting a combined concert with Simmons Glee Club at Simmons on December 11 the M.I.T. Glee Club will give its last public performance before the Christmas holidays. Last week the club, with a total of some 100 members under the direction of Henry J. Warren and the student leadership of Alva L. Herman, '39, broadcasted over station WEEI and entertained at the Sophomore Dance.

Director Is Pleased

Speaking of the broadcast from WEEI, Mr. Herman said that he was "well pleased." His precise reasons for being pleased will be made clear to the group when recordings of the broadcast, made at the Institute Sunday, are played for them in the near future.

Tubby Fails To Find His Namesake, Rogers Room

Several students came to the conclusion yesterday that Technology professors don't get around much. In one part of the Institute's Buildings several score of Technology Dames sat patiently waiting for their speaker of the afternoon to appear. Meanwhile, in another part of the building a freely perspiring, rotund gentleman was alternately running frantically back and forth along the corridors and riding up and down in the elevator. The gentleman was Professor Robert E. Rogers, and he was searching for his namesake, the Emma Rogers Room.

Tubby Rogers has been at the Institute twenty-two years.

C. J. Friedrich Gives Lecture On Propaganda

Technology Peace Federation To Discuss Government In Open Forum

Dr. Carl J. Friedrich, Professor of Government at Harvard, will address the Technology Peace Federation on "Propaganda" next Tuesday, December 13, at 5 P.M. in Room 6-120.

The speaker intends to show how the layman can distinguish propaganda from facts in the information that daily comes to him through the newspapers, radio, and movies. As is the custom of the society, the speech will be followed by an open forum discussion.

Propaganda Is Main Interest

Professor Friedrich came to the United States 14 years ago as a visiting lecturer at the invitation of a group of student organizations. Since that time he has been interested in European politics, although his main study has been that of propaganda.

At present the professor is giving courses on public opinion and propaganda, and he is also holding seminars in related subjects. Dr. Friedrich is a well-known author, his latest book being "Foreign Policy in the Making."

Two More Meetings Planned

The Peace Federation plans two more meetings during the year. The next is to be in March on "The Economic Aspects of Peace," and will be given in cooperation with the Department of Economics. In addition a Peace Day meeting will be held on April 29.

Museum Committee Founded Two Years Ago on President Compton's Suggestion

This month, unnoticed by many, the Committee on the Technology Museum completes its second year of operation. For seventy-five years the Museum was no more than a forgotten clause in the Institute Charter. It was only in October of 1936 that President Compton's annual report called attention to the provision in the Charter for a museum, recommending that a committee on the Museum be formed.

That winter the Committee on the Technology Museum was formed under the leadership of former Dean of Humanities Burdell. The Committee proposed to fill the corridor space with interesting scientific exhibits. Previous to its formation, the Geology and Metallurgy departments had established hall exhibits of their own, and there was in addition, the Nautical Museum which had been created under the Pratt bequest.

Develop Departmental Exhibits

The object of the Museum Committee was to encourage the development

Sophs Crown Queen at Hop

Wellesley Girl Declared The Most Beautiful One At Dance

Thanking the Sophomore class in a pronounced southern accent, Miss Virginia Youmans, Wellesley, '41, from Nashville, Tennessee, last Friday night expressed her appreciation for the silver crown awarded her as the chosen Queen of the Sophomore Dance at the Parker House.

Three Judges Select Queen

The selection of the Queen was entrusted to a committee of three judges headed by Mr. W. W. Kessler, personnel manager of American Airlines, who flew here from Chicago especially for the occasion. The judges circulated among the dancers while deliberating their choice, a task made pleasant but not simple by the young ladies.

At midnight, the judges announced their choice, and Miss Youmans, a five foot two inch brown-eyed brunette, was invested with the crown and proclaimed Queen of the Dance by John B. Murdock, Sophomore Class president, and Charlie Barnet, orchestra leader. Following the ceremony, Her Majesty, petite and lovely, posed for the benefit of the photographers.

Glee Club Entertains

Choral music for the occasion was given by the M.I.T. Glee Club, which rendered a number of selections, closing with the Stein Song and "Take Me Back to Tech."

(Continued on Page 4)
Soph Dance

The Tech Inquires

(The following statement is a quotation from E. B. Rideout, meteorologist of station WEEI, Boston:)

"I can say that in all probability the weather this winter will be colder than normal. The average temperature of the past few winters has been above this normal."

Question: Do you favor converting a portion of the Coop Field to an ice skating rink for the use of Technology students this winter?

D. L. Rhind, Bursar:

"A test is now being conducted on the field west of Massachusetts Avenue to determine whether the land there is adaptable for an ice skating rink. If the trial rink is successful, I would approve the building of a full size rink."

(Continued on Page 4)

The Tech Inquires

Tech Man's Radio Script Barred by Station WCOP

The play, "A Gentleman Scorned", written by a Tech man in last year's drama option, was not given over station WCOP as was previously scheduled. After having been accepted by the station, the script was found to contain a double meaning, and so could not be put on the air.

In its place a play, "The Bargain", by a student at B.U., was given.

Annual Dormitory Christmas Dance Plans Under Way

Gene Dennis And Orchestra Chosen, Affair Comes December 16

Ticket sales for the annual dormitory Christmas Dance on December 16 are well under way it was announced by the Committee last night. Gene Dennis and his orchestra, who played for last year's 5:15 Club Harvest Hop, will syncope.

The dance is to be informal and tickets are priced at \$1.50 per couple as a result of a poll run by the committee to determine the students' wishes in this matter.

Edna Creighton Featured

Edna Creighton is the featured soloist with the band, which is composed of men all in their early twenties. The orchestra is about three years old, and has played at many college functions, including a Simmons dance at the Copley-Plaza last Saturday evening.

Santa will also be on hand the night of the dance. It is reported that he has made the early trip for the special purpose of taking TECH men's orders for Christmas, and to see if they have been deserving boys.

According to the dance committee, this function is open not only to dormitory inhabitants, but also to all students at the Institute.

Bush Guest Of Honor At Faculty Club Dinner

Dr. and Mrs. Vannevar Bush will be the guests of honor at the annual dinner of the M.I.T. Faculty Club at Hotel Continental in Cambridge this evening.

Dr. Bush, vice-president of the Institute, will become president of the Carnegie Institution of Washington on January 1st, and the Faculty Club chose the annual dinner as the occasion on which to pay tribute to Dr. Bush.

Guests Members of Faculty

Guests at the head table will be Dr. and Mrs. Karl T. Compton, Dr. and Mrs. Arthur H. Compton, Dr. and Mrs. Bush, Mrs. R. Perry Bush, Dr. Bush's mother, Dr. and Mrs. Harlow Shapley, Professor and Mrs. C. R. Hayward, and Professor and Mrs. W. H. Timbie.

The speakers during the dinner program will include Dr. Compton, Dr. Bush and Professor Timbie. Following the dinner there will be dancing and bridge.

The committee in charge of plans for the evening are Professor C. R. Hayward, president of the Faculty Club, Professor A. A. Schaefer, Major A. D. Fiske, Professor R. E. Douglass, Professor R. D. Evans, and Professor H. C. Hottel.

A. H. Compton Speaks Here On Thursday

1927 Nobel Prize Winner Will Lecture On Cosmic Rays

SIGMA XI SPONSOR

Dr. Arthur H. Compton, brother of President Karl T. Compton and noted physicist, will speak on "Whence Cosmic Rays" Thursday at 4 P.M. in Room 10-250.

The lecture, which is open to the public, is being sponsored by Sigma Xi, national honorary scientific society.

Speaks at Lowell Institute

Dr. Compton is in Boston delivering a series of lectures at the Lowell Institute on the nature of matter and the principles of physical action. The series, which began November 22, will conclude next Tuesday.

Professor of physics at the University of Chicago and world-renowned for his work on the rotation of the earth, the specific heat of solids, and the properties of X-rays, Dr. Compton won the Nobel prize in physics in 1927. He measured the wave-length of hard gamma rays, discovered the change in wave-length of X-rays when scattered (the Compton effect), and discovered the total reflection of X-rays.

He has also helped to effect the complete polarization of X-rays and to obtain X-ray spectra from ruled gratings.

Headed Cosmic Ray Survey

In the years 1931-33 Dr. Compton

(Continued on Page 4)

Dr. Compton

Tech Team Meets Bates Debaters

Ludlow Amendment Is Topic Of First Two Contests In E.I.D.L.

Discussing the Ludlow Amendment, Samuel I. Omansky, '40, and Martin Ernst, '41, will meet Bates College in the first triangle of the Eastern Inter-collegiate Debate League in Lewiston, Maine, on Saturday, December 10, at 7 P.M. This will be the opening debate of the League for the Institute team. Other Institute debaters have previously met Radcliffe and Middlebury earlier this season.

Debate in Oregon Style

The debate will be held in the Oregon style of cross-examination which allows each side to give a constructive speech of fifteen minutes and a cross-examination of the constructive speaker for the other team for fifteen minutes. Each side is also allowed a five-minute rebuttal period. Omansky will speak as witness, and Ernst as lawyer, it was announced last night by Russell T. Werby, '40, Manager of Debating. The Institute team will favor the Ludlow Amendment, which provides for a national referendum.

(Continued on Page 4)

Debate

Morris To Give Lecture About Pacific Volcanoes

"Volcanoes and Calderas of the Pacific" will be discussed by Professor Frederick K. Morris of the Geology Department in the second of his series of lecture-seminars on the geology of the Pacific Ocean. The lecture will be held in the Eastman lecture hall at 7:30 P.M. Thursday, December 8.

Professor Morris has spent the past year in Asia and the Pacific region. In this lecture he will speak of the "ring of fire", the festoon of volcanoes around the Pacific margin, as well as the giant calderas, such as Crater Lake. The series of lectures is open to the public.

The Tech

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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ONE OF THOSE

VERSATILE COMPTONS

Recently we suggested that it would be of interest to Technology Students to hear Arthur H. Compton who is now giving lectures under the Lowell Institute, Tuesday and Friday evenings at eight o'clock. We also suggested that some organization like the C.P.S. would be doing the Institute a service to bring him here while he is in the vicinity.

Sigma Xi, honorary society of scientific research, seems to have beaten them to the punch, and is probably more closely in touch with men interested in this sort of discussion. They aren't the only ones, however, who have helped to make this brilliant speaker available to students in and around Boston and Cambridge. Next Sunday morning he will preach at Christ Church in Harvard Square, and in the afternoon will speak to a group of students at the Westminster House on Bay State Road.

Not only will these talks be valuable from a scientific angle, but they should prove interesting to students who enjoy the study of philosophy and modern religion. Everyone is not expected to agree with each and every one of his conclusions, but it is unusual that a scientist of this calibre has the opportunity and genius of demonstrating what he believes to be the trend and the end of the world.

With all these chances to hear this man, there should be little excuse for not listening.

C.P.S.

A "CLASS A" ACTIVITY

The above Editorial may sound like a reprimand of the C.P.S. for not getting Arthur Compton to speak for them instead of for Sigma Xi. Actually it may more nearly be ground for the recent demand of the Institute Committee that they submit a report of their recent activities. It is another of the cases where a strong and interested organization does not need the support of a coordinating society when it runs meetings of general interest.

That the C.P.S. should be noticeably active continually during the year is not to be expected or desired. There is no reason to believe that large numbers of students will turn out for lectures many times during the year, but there are definite times when a parent organization can take effective action that would otherwise be done by half measures.

As to the question of whether the C.P.S. should have a seat in the Institute Committee as a "Class A" activity, there is their duty in

running Open House and the fact that they represent the professional societies pulling for the present status and the fact that other organizational groups do not have a representative on the other. As we are ultimately interested in professions while we are here, we feel that this is cause enough for the present balance of power.

SIGN UP

AND SAVE

For pulling a very smart trick, the Senior Week Committee deserves every support the senior class can give it. By starting their drive at this time in the year, they have many times the chances of previous committees and should be able to run one of the best festive activities of many years.

The head start itself, if properly subscribed to, should insure well planned dances as well as decreasing the chance of losing money as have a number of large dances this year. For those who will attend, there is the additional advantage of being able to divide the cost between two terms and realize a substantial saving at the same time.

THE PRICE

OF ADMISSION

Through a misunderstanding, it was printed that there would be no admission fee to the opening hockey game, and we are sorry men were forced to pay when they arrived there. It was not intentional, we assure you, but we feel that the numbers who went there just because they expected it to be free demonstrates something.

Perhaps if we stressed the fact that almost every other athletic contest or debate is free they would receive more support than they now do. There are really a tremendous number of very interesting FREE activities at the Institute, and we hope that now this fact is made public they will receive more attention.

SCIENCE IN BRIEF

By ARTHUR M. YORK, '38

"Synthetic Rubberlike Substances"

The research laboratories have abandoned the search for a means of producing rubber synthetically. Instead, they are going beyond that goal and are hunting for "synthetic substances with rubberlike properties." It is more desirable, and becoming increasingly possible, to make synthetic materials which have most of the desirable properties of rubber plus the additional desirable properties of oil, sunlight, abrasion, chemical, and heat resistance. Not only do the synthetic materials take the place of rubber in many uses, but they perform their functions more satisfactorily, and, furthermore, apply themselves to new uses to which rubber could never have been put. (1)

The Self-Accused Scientist

The modern accusation that the scientist is, in general, unable to express his work and experiences adequately in public is self-inflicted, according to S. Marion Tucker of the Polytechnic Institute of Brooklyn. N. Y. Tucker claims that, when the technical man asserts that outsiders brand him as "uncultured" and "unlearned," he is imagining a condition which does not exist and that the average layman would not dare to find the fault with scientists that they themselves are finding. (2)

Altering Milk to Suit Container

When paper milk containers were first introduced, one of the major objections to the abandonment of the glass milk bottle was that it would no longer be possible to judge the quality of the milk by observing the amount of cream at the top. In order to eliminate this objection, a process is now being developed which will disperse the fat mechanically throughout the milk so as to prevent the separation of the cream from the milk. (3)

Diamond in Atomic Measurement

A flawless diamond, valued at about \$4,000, is being used in the x-ray laboratories of the Johns Hopkins University in experiments to determine more accurately the ratio of the charge to the mass (e/m) for the electron. (4)

For more complete discussion of the above items, consult recent periodicals as follows: (1) Modern Plastics, Nov., 1938, p. 63; (2) Mechanical Engineering, October, 1938, p. 743; (3) Paper Trade Journal, Nov. 17, 1938, p. 12; Science News Letter, Nov. 19, 1938, p. 325

Reviews and Previews

SYMPHONY HALL—The next pair of regular weekend concerts will be given December 16 and 17, the coming week being occupied with the Orchestra's western tour. The program for the Menuhin recital on Sunday, December 11, at 3.30 P.M., includes Sonata No. 1 in G major; Opus 78 by Brahms; Partita No. 3 in E major

(for violin alone) by Bach; Concerto No. 4 in D major by Mozart; and 1 Paliti by Paganini. Among the guest artists scheduled to appear in the remaining five concerts of the Monday and Tuesday series are Anja Ignatius, Myra Hess, and Frank Glazer. For one pair of concerts each, George Enesco and Igor Stravinsky will appear as guest conductors.

(Continued on Page 4)

Reviews and Previews

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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THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY offers the following Professional Courses:

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Each of the above undergraduate Courses is of four years duration, with the exception of Architecture, City Planning, Biophysics and Biological Engineering, and the cooperative Courses in Electrical Engineering and in Mechanical Engineering, which extend over a period of five years, and City Planning Practice which covers a period of six years. In addition to the Bachelor's degree, the above five and six year Courses, with the exception of Architecture, lead also to the Master's degree.

Graduate study, leading to the Master's and Doctor's degrees, is offered in Ceramics, Meteorology, and in all of the above professional Courses with the exception of General Engineering and General Science.

A five year Course is offered which combines study in Engineering or Science, and Economics or other social sciences. This leads to the degree of Bachelor of Science in the professional field, and to the degree of Master of Science in Economics and Engineering or Economics and Science.

The Summer Session extending from June to September includes most of the subjects given during the academic year.

For information about the methods of admission from secondary schools, communicate with the Director of Admissions.

Any of the following publications will be sent free upon request: Catalogue for the academic year Summer Session Catalogue Architectural Education—Undergraduate and Graduate Educational Opportunities at the Massachusetts Institute of Technology

Quintets To Face Harvard Tonight

Hangar Gym Scene Of Basketball Games

Varsity Given Good Chance To Defeat Crimson Players

Coach McCarthy sent his varsity into its last drill yesterday before the opening game with Harvard tonight in the Hangar Gym.

Conceded a good chance to defeat the Crimson, the Tech squad will be after their first victory over their rivals from up the Charles in five years. The Tech varsity shows a promising and strong quintet which might develop into one of the best in recent years at the Institute.

Tech Team Taller

Harvard will enter the game with only two veterans in its lineup. Its team is smaller than the Tech squad but it expects to make up its lack in height by speed and deception. The two veterans in the Harvard lineup are Captain Ulysses Lupien at one of the guard positions and Charlie Lutz at forward. Both of these men are well known throughout New England and are due to cause no end of trouble for the Cardinal and Grey. The rest of the Harvard lineup will probably include Homer Peabody at center, Fred Heckel at guard and Dick Sullivan at the other forward position. The Harvard squad however boasts a second team almost comparable to the first. This gives them an advantage of stamina.

Tech also enters the game with two veterans in the lineup. They are former Captain Paul Schneider, '39, at center, and present Captain Thomas Creamer, '40, at the right guard position. The outcome of the game will depend a great deal on the newcomers to the Tech quint, "Hap" Farrell at left guard, and two sophomores Fred Herzog and Howie Samuels at the forward positions.

Freshmen To Play Preliminary

Coach Gary Wright would make no comment on his freshman team which will play the preliminary game against the Harvard Yearlings tonight. The lineup will probably be either Artz or Arnold together with Vove at the forward positions, Hillhouse at center, and Stern and Stephanou at the guard positions. The Harvard squad will have plenty of the height which they were lacking last year which makes them the favorites to revenge the defeat given the Harvard freshmen by last year's freshman quintet.

The freshman game will begin at seven sharp and the varsity will take the floor about 8:15. All Tech students will be admitted free upon presentation of their bursar cards.

Official Recognition Sought By Pistoieers

The pistol team will seek recognition as a sport at monthly meeting of the Advisory Council on Athletics which will be held this evening. The sport has already been approved by the M.I.T.A.A., according to Major K. B. Lawton, the team coach and adviser.

There will be a pentagonal pistol match at the rifle range from five to ten P.M., Thursday evening, Dec. 8. The competing teams will be M.I.T. Faculty, M.I.T. Students, Cambridge Gas and Light Co., Cambridge Edison, and the Lexington Minute Men. Try-outs for the Tech teams were held Monday night and will be concluded Wednesday afternoon.

Squash Players Tie Dartmouth

3-3 Score Marks Opener Of Intercollegiate Squash Season

Last Saturday afternoon the M.I.T. Squash Racquets Team played a 3-3 tie with Dartmouth on the Technology courts.

Captain Bill Babcock '39, playing his third season with the squash team, easily defeated Dartmouth's number one player in three straight games. After leading 2-0, Bob Millar, '40, dropped the next two games but managed to win the deciding game by a very small margin. Irv Peskoe, '39, and Art Arguedas, '41, were leading 2-1 and Alex Thackara was leading 2-0 when a wave of overconfidence struck them, and they dropped their matches after going to the maximum five games. Al Barton won a hard fought match 3-2.

Peskoe Played Jayvee

Irv played number one on the junior varsity last year and is holding down the number three position on this year's varsity team. Artie Arguedas never played squash before coming to Tech, but by working very hard and practicing faithfully he has become competent enough to be placed at number five. Alex Thackara played in a few games last year, and played number four this year. Al Barton played on the freshman team two years ago, failed to come out for the team last year, and is playing number six this year.

Team Should Defeat Wesleyan

The team will play Wesleyan University here next Saturday at 12 noon. The boys seem to have lots of spirit and fight and should defeat Wesleyan easily. This year Coach Jack Summers has turned out one of the best squash teams that he has had for quite a while. Against the Newton Y.M.C.A. team last Wednesday, the team lost 5-0, but every match was closely fought. This match was played in a league of greater Boston clubs. Most of the other teams in the league are made up of veterans who have played for years. M.I.T. enters teams in this league for the purpose of giving its candidates practice in playing against experienced players.

Jayvees In Other Division

In addition to the division in which the varsity plays, there is one in which Tech has the junior varsity entered, while two Freshman teams are also entered in other divisions.

Last Friday one freshman team went to Harvard and played against a team from the business school, losing 5-0. At the same time the Business School Faculty beat the other frosh team at the Tech courts 4-1. Jack Iams, '42, turned in the lone victory for Tech.

Next varsity game will be the weekly match in the Massachusetts Squash Racquets Association which is to be played tomorrow. The Jayvees open their schedule on Thursday, and the freshmen will play their second match on Friday. All of these are league games.

Squash Tourney Enters Third Round This Week

Seven teams have already entered the third round of the annual Beaver Key Squash Tournament which started November 13. Two teams, still in the second round, must play each other for the eighth place in the semi-final bracket. It is expected that the third round will be completed this week, allowing the round robin to end by Christmas, about two weeks behind schedule.

The teams which have so far qualified for the third round are: Atkinson, Craft, Beta Theta Pi, Delta Psi, Phi Mu Delta, Phi Sigma Kappa, and Sigma Chi. The four winners of these will enter the round robin.

Pucksters Face Two More Games

Matches With Northeastern And Brown On Schedule For This Week

Taking on a heavier but less experienced team, our hockey men will attempt to avenge their last defeat by beating Northeastern University at the Boston Arena tonight.

George Owens, hockey coach, believes that "we can beat Northeastern and Brown University, whom we will meet in Providence this Thursday, if the defense men hold up during the game."

Defense Men Need Practice

He attributes the last defeat to the fact that the defense men, with the exception of George Carnrick, the experienced goalie, were not quite up to par, mainly because of their lack of practice and experience in team work, although he felt that the forwards are as strong as they were at their peak last year. The average weight of the fourteen men on the team is about 155 pounds, which is much lower than most college teams. These fourteen men, 8 forwards, 4 defense men, and 2 goalies will all play in the two games.

Mr. Owens said that he was in favor of the proposed ice skating rink, as it would give the varsity men a chance for more practice and allow more than the 40 men now practicing to come out for hockey.

Musketeers Win By Single Point

Meyer Leads Tech As Woman Shoots On Arlington Rifle Team

Winning by a one point margin, the varsity marksman avenged themselves over the Arlington Rifle Club last Friday evening when they defeated the civilian club by a score of 898 to 897 in the third match of their season, which was held on the Institute range.

This victory was an important one to the Technology team, for Arlington was one of the three teams which defeated the Beavers last year. Arlington also took honors as Metropolitan champions last year.

Woman Shoots for Arlington

Most unusual feature of the match was the fact that there was a woman on the Arlington team, a Mrs. Cole, who fired a very creditable score of 96 prone and 78 standing for a total of 174 and a sixth place on her team. With her 174 she out-pointed six of the men on the Technology team.

High man for the Engineers was Herman Meyer, '40, who fired a possible 100 prone and 86 standing for an individual total of 186. He was closely followed by David C. Whitaker, '39, who fired a 96 prone and an 88 standing for a 184. Others to place for Technology were Norman L. Davis, '40, with a 178, B. Robert Harper, '40, with a 177, and Robert Pratt, '39 with a 173.

Elroy Leads Opponents

High man for the Arlington shooters was Mr. Elroy who turned in a 98 prone and an 88 standing for a total of 186.

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THE TECH wishes to rectify an error which appeared in the Sports Comment in its last issue. Through a misunderstanding between the sports department of THE TECH and the Publicity Department of the M. I. T. A. A., the statement was made that admission to the hockey games in the Boston Arena was free to the bearers of Bursar's cards.

THE TECH regrets to announce that hockey is the only sport which is not free to registered students of the Institute.

Just across the way

Students, we serve
Special Hot Luncheons
As Low As 25c

All Home Cooking
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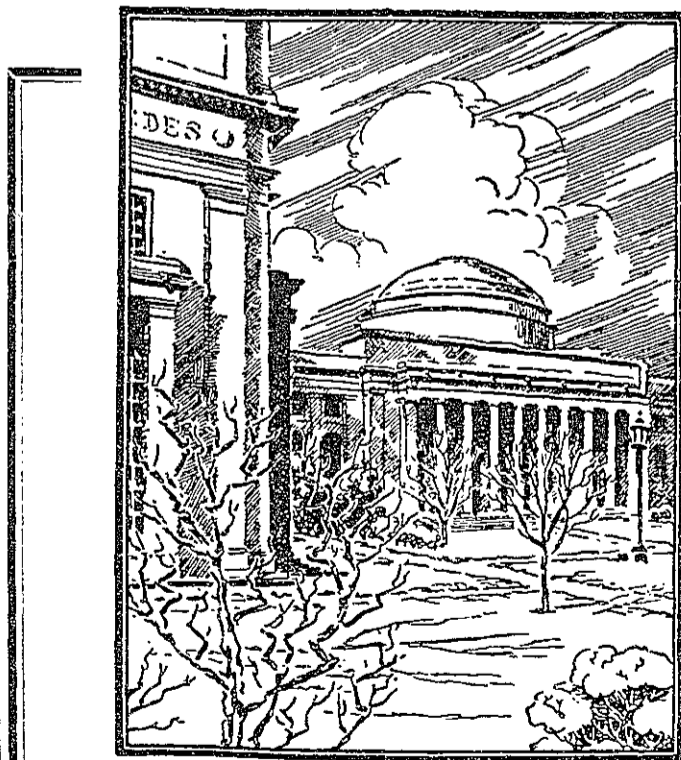
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CALENDAR

TUESDAY, DECEMBER 6

- 7:00 P.M. Ordnance Reserve Officer's meeting in the Faculty Dining room.
- 8:00 P.M. Northeastern vs. M.I.T. hockey game—Arena.

WEDNESDAY, DECEMBER 7

- 4:30 P.M. Electrical Engineering Colloquium—Eastman Lecture Hall.
- 5:00 P.M. C.P.S. Meeting—Room 3-432.
- 6:15 P.M. Army Ordnance Association dinner under East balcony of Main Hall.
- 6:30 P.M. M.I.T. Physical Society dinner in North Hall.
- 6:30 P.M. Course XV Graduate dinner in the Faculty Dining room.
- 6:45 P.M. Swim Club dinner in the Grill room.
- 8:00 P.M. Army Ordnance Association meeting in the West Lounge.

THURSDAY, DECEMBER 8

- 3:00 P.M. Seminar: "Theory of Atomic Nuclei" — Eastman Lecture Hall.
- 5:00 P.M. Pentagonal Pistol Match—Rifle Range.

SATURDAY, DECEMBER 10

- 8:30 P.M. Menorah Society Refugee Dance—Main Hall.

Dr. H. F. King Is Center Of S.A.E. Bull Session

Dr. Henry King of the Mechanical Engineering Dept. was the center of an automotive bull session taking place after the M.I.T. Society of Automotive Engineers banquet, which was held last week at Steuben's.

Dr. King is the society's faculty adviser and one of the purposes of the banquet was to enable new members to get acquainted with him. The bull session dealt mainly with the latest developments in the automotive field, but many other topics were discussed.

Society To Take Trip

The Society will make a trip on Dec. 10 to the Automotive Museum in Providence. This museum contains one of the largest collections of different types of automobiles in the country. Anyone interested in taking the trip or in joining the Society should see either Ralph W. Tucker, '39, Richard G. Falls, '40, or Joseph B. Wiley, '40, all in the dormitories.

Museum

(Continued from Page 1)

include two cases of exhibits on Colloidal Chemistry which were prepared by Professor Ernst A. Hauser, a working model of an artificial gas plant donated by the Boston Consolidated Gas Company, a demonstration of water flow phenomena, a graph of the Periodic Table of Elements with samples of all obtainable elements, and a case of fused quartz objects which were prepared by the Institute glass blower, Mr. James E. Ryan.

Course VI Has Telephone Exhibit

Professors Edward L. Bowles and Carlton E. Tucker have assembled the Telephony and Vacuum Tube exhibits for the Electrical Engineering department. This department also maintains the operating model Dial Telephone System and the showcase of incandescent electric lamps.

The models of mathematical surfaces and the stroboscopic demonstration of the formation of a hyperboloid have been installed mainly through the efforts of Professor Raymond D. Douglass of the department of Mathematics. This department will soon reinstall a stereoscopic demonstration of Descriptive Geometry surfaces.

Yacht Models in Nautical Museum

The Museum Committee was instrumental in obtaining the loan exhibition of the Henry P. Kendall Whaling Collection for the Nautical Museum. Other features of the Nautical Museum are the yacht models of Professor George Owens and the many detailed ship models made by Professor James R. Jack.

Exhibits which will appear soon include a model of an old New England pottery factory, refraction and reflection demonstrations and a textile exhibit.

Soph Dance

(Continued from Page 1)

Chaperones for the evening were Major and Mrs. K. B. Lawton, Professor and Mrs. N. H. Frank, and Professor and Mrs. Alvin Sloane.

Approximately 200 couples attended the dance, according to Norman I. Shapira, '41, chairman of the ticket committee. Most of these were Sophomores, although there was a sprinkling of upperclassmen and freshmen.

Previews and Reviews

(Continued on Page 2)

FINE ARTS — Now showing Slalom. On Wednesday Bob, Son of Battie with Will Fyffe and John Loder will begin. This photoplay has been greeted as one of the most unusual cinema efforts of the year. Will Fyffe is said to render genuinely fine and moving portrayals in the picture, which is the story of a Scotchman and his dog.

METROPOLITAN — James Cagney and Pat O'Brien in Angels With Dirty Faces held over, with the Jones Family Down on the Farm as the second feature. Thursday brings Submarine Patrol and Thanks for the Memory. **LOEW'S STATE AND ORPHEUM** — Held over, Robert Donat and Rosalind Russell in The Citadel, and Blondie. Thursday, Young in Heart with Janet Gaynor and Douglas Fairbanks Jr., begins.

KEITH MEMORIAL — Drums with Sabu and Raymond Massey is now in its second week. Other attractions are Ferdinand the Bull, The March of Time, and the new second feature Tarnished Angel with Sally Eilers.

SCOLLAY AND MODREN — Tyrone Power, Loretta Young, and Annabella in Suez, the saga of Ferdinand DeLesseps. The accompanying feature is I Stand Accused.

EXETER — Deanna Durbin in That Certain Age with Melvyn Douglas. Also Boris Karloff and Evelyn Brent in Mr. Wong, Detective.

PARAMOUNT AND FENWAY — Shirley Temple's latest photoplay Just Around the Corner. Second feature is Arrest Bulldog Drummond with John Howard.

UNIVERSITY — Frank Capra's hit, You Can't Take It With You starring Lionel Barrymore. The March of Time is on the same program.

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The Tech Inquires

(Continued from Page 1)

H. P. McCarthy, Physical Director:

"I most heartily approve of such a project. The members of the Hockey Team at present must arise at 5:30 mornings in order to practise at the Boston Arena. A skating rink at Tech would eliminate this handicap, enable the team to practise more often, and permit more men to try out for the sport. It also would provide exercise for the student body as a whole."

L. W. Croke,

Assistant Medical Director:

"During winter, outdoor activities are naturally limited. For that reason most students build up an excess supply of adrenalin, and this excess can be eliminated by outdoor exercise such as the rink would provide. I own tennis courts which I flood each year with good results, and I would be glad to give any advice I can."

F. A. Magoun, Associate Professor of Humanities:

"I most certainly do. Technology has very wisely taken the lead in fostering athletic activities in which the student can participate for many years after he graduates. Dinghy sailing is an example. While the dinghies are laid up for the winter, it seems to me that ice skating is an excellent extension of this program."

V. N. Jaffe, '41, course XIX, dormitory:

"Yes; an outdoor skating rink on the campus would provide cheap recreation for the students, especially the dorm men, and at the same time give them outdoor exercise which is scarce during the winter."

Robert J. Cohen, '40, course IX-B, dormitory:

"I believe the skating rink would be of great benefit to Tech students as they would have a chance to participate in this fine sport without going to too much trouble. Who knows, some of the brownbaggers might come out of their holes and get a little exercise and fresh air."

Barton L. Hakan, '42, Course X, Dormitory:

"Without a doubt the ice skating rink would provide a great deal of pleasure and healthful exercise for the students at Tech. I believe the enjoyment from such a project would be well worth the effort and expense. We can't all be hockey stars, but with a convenient rink we could all get a lot of fun from such a keen sport."

Dimitri Azgapatian, '41, Course VIII-1, Dormitory:

"By all means. For some reason people seem to adopt the attitude skating is less of a sport than games for which gyms have been built and much money expended. Don't forget Tech's policy is sports for all, and skating is not a specialized team sport but a sport for all."

Tau Beta Pi

(Continued from Page 1)

Club on November 29. At the dinner Mr. Dean gave a short talk on engineering ethics.

Picks Members for Scholarship
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Brooklyn College First On Wrestling Schedule

The wrestling engineers have gotten well under way with their regular practice sessions under the experienced tutelage of Jay Ricks, Technology wrestling coach, in preparation for the forthcoming inter-collegiate matches.

The two matches scheduled before Christmas are with Brooklyn College in New York on Dec. 12 and with Wesleyan College on Dec. 17. Of the 28 varsity wrestlers, a team of 8 will be chosen by elimination to enter these matches. The elimination trials for the Brooklyn match will start Monday, with the final line-up being announced next Wednesday. The present Varsity captain is John Vyverberg, '39, who wrestles in the 118 pound class.

The 28 freshmen who are out for wrestling have also been practicing regularly and great results are expected from them according to Coach Ricks.

Debate

(Continued from Page 1)

dum to approve a declaration of war by the United States Congress except in case of invasion of the United States or the Western hemisphere.

To Meet, Bowdoin

On Saturday, December 17, the Institute debaters will be host to a team from Bowdoin College. A debate on the Ludlow question will be held that evening in the Eastman Lecture Hall at 8 P.M. In this debate, also a scheduled meeting in the Eastern Intercollegiate Debating League, the Tech speakers will oppose the amendment.

The EIDL is managed this year by the Institute; Peter Bernays, '39, is president, and Samuel Sensiper, '39, is secretary. Professor Theodore Smith, of the Department of English and History, faculty adviser for the Debating Society, is a member of the advisory faculty council of the league.

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Dr. Compton

(Continued from Page 1)

directed the world cosmic ray survey. He has published two books—"Secondary Radiations Produced by X-rays", and "X-rays and Electrons".

Dr. Compton is the younger brother of the Institute's president. He graduated in 1913 from the College of Wooster in Ohio and received his Ph.D. at Princeton in 1916. Between 1916 and 1920 he served as an instructor in physics at the University of Minnesota, as research physicist for the Westinghouse Light Co., and as a research fellow at Cambridge University in England.

Professor at Chicago

He became professor of physics and head of that department at Washington University in St. Louis, Mo., in 1920. Three years later he was made professor of physics at the University of Chicago, the position he now holds.

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