



Senior House Nearly Ready

Stratton Contest Planned

Basketball Game Tonight With
Coast Guard Academy

Stratton Prize Contest Planned For This March

Presentations For Best Technical Papers To Be Made On Next Class Day

The plans for this year's Stratton Prize Competition, as announced by Professor Thomas H. D. Mahoney of the English department, the Contest Chairman, will include the presentation of the winning paper on Class Day and also the doubled prize money instituted last year. The contest is a competition among the students in the oral presentation of a technical paper.

Each of the six finalists will receive a prize, with \$100 being offered to the winner. Last year the prize money was increased to that amount in order to stimulate interest in the contest.

The eliminations to choose the finalists will be held on March 21st and 22nd, and the finals are scheduled for April 11th. Preliminary eliminations, to choose the competitors for March 21-22, will be conducted by the student professional societies.

This year a publicity committee with Lester W. Smith, '50, as chairman, has been formed to help promote interest in the competition. It is hoped that there will be a large number of competitors and a good audience at the final contest. All students are invited.

The Stratton Prizes were established in 1931 by the late President Samuel W. Stratton to give Technology students an opportunity to gain valuable experience in the preparation of scientific material for public presentation, and to acquire something of the art of speaking, the command of language, proper use of voice, and poise which add so greatly to the effectiveness of delivery. After President Stratton's death, friends provided funds for the continuation of the awards.

Rules covering the Stratton contest are:

Each paper is limited to a fifteen-minute presentation (preferably 12 minutes), and may or may not contain illustrative material, though preference is given to papers without illustration.

Papers should be meaty and concise and contain a brief introduction which goes right to the heart of the subject. Special attention

(Continued on Page 3)

"It" Takes Over Walker Memorial; '51, '52 Join Forces

"IT" will be held in Walker Memorial on Monday, February 21. That night at 8:30 p.m., "IT," which is a joint affair of the freshman and Sophomore classes, will begin. The program will consist of a minstrel show, written by John R. Thomas, '51, and a dance, with the music furnished by the Tech-tonians.

The minstrel show will be the "endmen, interlocutor, chorus routine" with several special acts. A large crowd is expected to attend the affair. Refreshments, including beer, will be served during the evening.

A committee made up of both freshmen and Sophomores is working on the affair. The Chairman is Fred W. Weitz, '51; the Sophomore members are Jack W. Carpenter, William H. Shenkle, John R. Thomas, George L. Tulin, Herbert H. Woodson, and Herbert F. Yamane. The freshmen are Lydia R. Bacot, Michael J. Godkin, Wesley J. Haywood, John B. Jamieson, Ward A. Kiddoo, Robert M. Lurie, Ralph A. Vittl, and Andrew Wessel.

Grad House Opens Snack Bar; Possibility of Music and Dancing

As a convenience to the student body, particularly Graduate Students, a new Snack Bar was opened this week in the Graduate House. The bar is located next to the Campus Room, and is open daily and Sundays from 11 a.m. to 12 midnight. The new lounge's prices and services are equal to the Walker Lounge Bar without, however, the music, television and dancing.

'LABURNUM GROVE'

On February 11 and 12 the M.I.T. Staff Players will present J. B. Priestley's *Laburnum Grove* in Morss Hall. *Laburnum Grove* was played by the Staff Players 10 years ago, but a new cast has been chosen for the 1949 production, among whom are four full Professors, a student wife, and other members of the Tech Family.

the Department of Chemical Engineering.

With Professor W. H. McAdams of the Institute, Dr. Lewis wrote "Principles of Chemical Engineering," one of the most important textbooks in its field. He has previously been awarded the Perkin Medal of the Society of Chemical Industry for valuable work in applied chemistry, the Priestley Medal of the American Chemical Society, and the President's Medal of Merit.

Honorary Degrees

In 1937, he received the honorary degree of Doctor of Science by the University of Delaware and in 1947 Princeton University awarded him the honorary degree of Doctor of Engineering. In this same year, according to a reader poll by the *Chemical Bulletin*, Dr. Lewis was designated as one of the "ablest chemists and chemical engineers working in the United States."

During World War II, he served as acting executive officers of the Department of Chemical Engineering at the Institute.

Dr. Warren Lewis Awarded Gold Medal By The American Institute of Chemists

Dr. Warren K. Lewis, professor emeritus of chemical engineering at the Institute, has been unanimously selected to receive the 1949 gold medal of The American Institute of Chemists. This citation is awarded annually for "noteworthy and outstanding service to the science of chemistry."

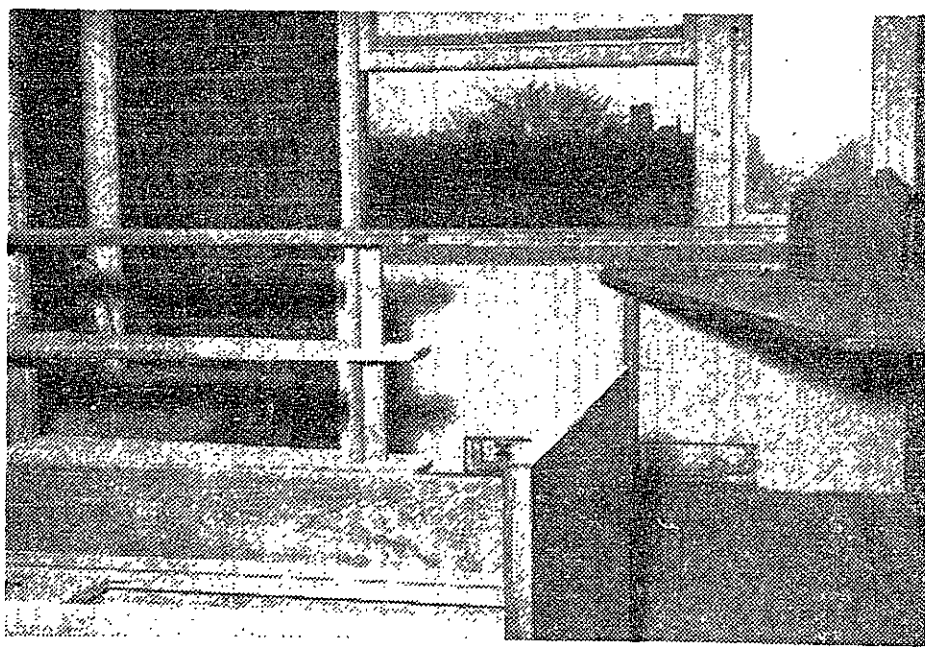
Presentation of the medal to Dr. Lewis will be made at the Annual Meeting of the Institute of Chemists, in Chicago, Illinois, May 6 and 7. Lawrence H. Flett, president, stated that the award is made in recognition of Dr. Lewis' administrative ability, leadership, and outstanding success as a teacher.

Studied In Europe

After graduating from the Institute in 1905 with a B.S. degree, Dr. Lewis studied in Europe where he received the Ph.D. degree in 1908 at Breslau, Germany. He returned to the Technology staff in 1910 and in 1914 was promoted to the rank of professor. During the years 1920 through 1929 he served as head of

Interior Work On Senior House Under Way; Top Floor Rooms Near Completion As Term Ends

STRICTLY FUNCTIONAL



New functional furniture of a typical room in the Senior House.

Basement Flooded As Faulty Joint Looses Torrent

Work on the interior of the new Technology Senior House is well under way, with plasterers and carpenters working throughout the building. Proceeding from the top floors down, the finishing work will take several months to complete.

Although there are no finished suites as yet, the ceilings of the fourth and fifth floors have been plastered and door jambs have been placed. A few of the rooms contain units of the built-in furniture that they will have when completed, including drawers and tables. (See cut.)

Floors Mostly Cement

Lavatories have been installed, and some of the shower rooms have been tiled, but there are still no electrical fixtures to be seen. A walk through the halls of the new integral sign shaped building discloses most of the flooring as cement, although a few of the wedge-shaped rooms have floors of an asphalt material.

Floor laying and plastering is still in progress on the lower floors of the building, and interior finishing of the basement and foyer has not yet been started.

Basement Flood

Some trouble in construction was encountered last Wednesday night when a poorly soldered pipe joint in the basement let go, and water under from 60 to 80 pounds pressure cascaded onto the floor. Before alert maintenance men could locate the main shut-off valve, the water was from two to four inches deep over the basement.

Although the flood thoroughly wet everything on the floor, no extensive damage was reported, and the water was rapidly drained with a pump. No construction hitch is anticipated, although there may be a slight delay while the pipe is resoldered.

Senior Ring Orders Placed Next Term

Class of '50 or Earlier May Place Requests

Orders for class rings will be taken on Wednesday and Thursday, February 16 and 17, it was announced today by William O. Kincannon, Jr., Senior Ring Chairman. The L. G. Balfour Company will send representatives to the Institute on these days so that members of the Class of 1950 and earlier classes may place their orders.

The rings come in three sizes, large, medium, and miniature, and may be obtained in fourteen carat and ten carat gold or in sterling silver. The gold rings have three choices in finish, dark, medium, and light. Prices will be about the same as last year, with a ten carat gold, medium sized ring costing \$17.50 plus a twenty per cent luxury tax. A three dollar deposit must be made when the ring is ordered, with the balance due when the rings are delivered.

If students are unable to order rings on the above days, they may visit the local Balfour office, located at 230 Boylston St., Boston. All rings will be delivered sometime before the end of the spring term, 1949.

Large Fellowships Offered At Caltech By Howard Hughes

Awards Provide Chance For Post-Grad Study In Creative Aeronautics

Advanced technical students at the Institute have been invited by the California Institute of Technology to apply for the new Howard Hughes Fellowships in Creative Aeronautics.

The fellowship awards, Dr. DuBridge, president of Caltech, revealed, are open to all men anywhere who are U. S. citizens and who have sufficient technical background and proper qualifications to meet fully the requirements of the Institute for admission to graduate work. Each award will consist of:

- (1) A gift of \$1,500 to California Institute of Technology from Howard Hughes to cover tuition and research expenses at the Institute.
- (2) An additional gift from Mr. Hughes to each Fellow of \$1,500 or more, depending upon the qualifications of the recipient.
- (3) A salary of not less than \$2,000 to each Fellow for actual advanced development work at Hughes' Culver City, Calif., aircraft plant.

Applications received before February 15, 1949, will be judged by a committee including representatives of the California Institute of Technology and of Howard Hughes. It is planned to select annually two or three of the most outstanding candidates, whose qualifications will admit them to graduate study leading to the degree Doctor of Philosophy in Aeronautics or in Physics at the California Institute of Technology. The physics degree should include a minor in aeronautics.

Awards will be announced by April 1, 1949. Recipients will be notified of the amounts of cash gifts and salaries for part-time employment, based on experience and background.

Dorclan "Artists" Will Invade Bldg. 10

Annual initiation duties for membership in the Dorclan Society will be performed this year by twelve men dressed as French artists, according to announcement by James Staple, chairman of the initiation committee.

Today, pledges garbed in smocks, and berets, will appear in Building 10 in groups of two from 10:00 a.m. until 4:00 p.m. During their turn, each duo will take turns shining shoes and performing with a palette before an easel. With dark glasses and cigarette holders, each candidate will appear typical.

Tonight the initiation dance party is to be held in the Lagoon Building on the Esplanade. Dance music will be supplied by the Tech-tonians.

Functioning as an honorary social organization, the Dorclan Society is for active Dormitory juniors and seniors. President of this year's organization is Charles W. Davis '49, vice-president is Frank

(Continued on Page 2)

The Tech

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FRIDAY, JANUARY 14, 1949

No. 3

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Night Editor: George H. Myers, '51

Assistant Night Editor: Robert M. Lurie, '52

AGENDAS

Not very long ago *The Tech* ran the minutes of the Institute Committee as a regular feature. Shortly thereafter, the column was dropped. On page four of this issue, we are initiating a new experiment in bringing school politics to the student body. Until further notice, the agenda of the next meeting of the Institute Committee will be published in the Friday issue preceding each meeting. We hope that this publicity will enable students to keep abreast of their government's doings and protect their own interests when they are involved.

OUR EDITORIAL BOARD

In the past, the Editorial Board of *The Tech* has been an organization devoted to the elevation of big wheels to yet another position. This situation was all very good for the wheels themselves, but the newspaper reaped only occasional editorials, and then usually when the members of the board had some sort of personal interest in getting some plan across.

From now on things will be different. We're still going to have an Editorial Board, but the members will contribute to the running of the paper either by actually writing material or by serving as active sources of editorial matter. Initial appointments to the rejuvenated Board are Dale O. Cooper '51, Thomas L. Hilton '49, Daniel L. McGuinness, Jr. '50, and Fred Vanderschmidt, III '51.

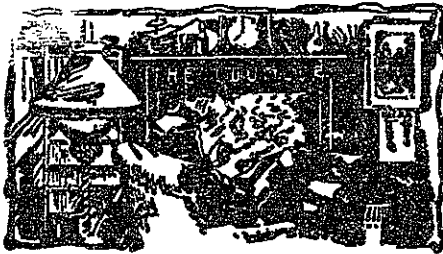
CONFUSION IN THE RECORD

One of the more interesting recent developments in consumer goods production was the announcement at the beginning of this week by R.C.A. Victor of their new seven-inch slow playing records. Apparently not to be outdone by Columbia, who announced last year their long playing, microgroove records, R.C.A. now comes forth with a disc that requires a turntable which revolves at 45 r.p.m. and a special pickup.

The standard speed of 78 r.p.m. for regular records is based on the requirements of the old mechanical systems of reproduction which have heavy pickups with considerable inertia. Seventy-eight r.p.m. is inefficient for the lighter electrical pickups, and radio stations have long maintained another standard of 33-1/3 r.p.m. for their transcriptions. When Columbia released its new recording system they adopted the 33-1/3 r.p.m. standard and reduced the playing groove to .001 inch, permitting the groove density of about 300 per inch. Columbia also offered its process to any manufacturer who wanted to use it, including R.C.A. Now R.C.A. comes out with still a third speed, shaves Columbia's groove width by one ten-thousandth of an inch to .0009 inch, and presents a new record changing mechanism built into an enlarged spindle which can change the seven-inch records in a matter of three seconds. This means, according to one R.C.A. official, that the record fan can listen to forty-five minutes of nearly uninterrupted music. This is hardly an improvement on the twelve inch long-playing records which will do the same thing with only one break provided one is willing to go to the trouble of turning the disc over.

When the R.C.A. system is released next April, there will be three different systems confronting the record purchaser, none of them interchangeable. R.C.A. has been defending their move by promising benefits from the competition, but what is more likely, the consumer will suffer from the abandonment of standardization. Rather than leaving the consumer free to choose records by their individual merits, the conflicting systems will force him to choose on the basis of the machine he owns. Any duplication of equipment will be nothing but wasteful.

Columbia's system is rational. It has been accepted by a great number of connoisseurs, and it requires no changing mechanism which, traditionally, is subject to fits of temperament. R.C.A. seems to be trying to put something over on record buyers; personally, we won't have anything to do with their system.



Stories about the watchman at the new Senior House, who cashed in on students' curiosity, have been growing by leaps and bounds. Latest one to fall upon our ears was supposed to have taken place last Saturday. Evidently, Dr. Compton and Mrs. Compton, just off the train from their weekly sojourn to Washington, decided to pay the newly constructed building a visit. The couple got to the one and only open door, and the unknowing watchman approached Doc and tried to touch him for the half buck. Evidently Dr. Compton wasn't in the market for such a costly sight-seeing trip, and instead, hastened to tell the watchman who he was. Dr. Compton then proceeded to take several interested bystanders on a personally conducted tour of the place. Latest reports say the ex-watchman was heading in the general direction of Harvard University.

Those smooth small face towels dorm residents have been getting . . . ordinary towels with a shave.

Signs of the Times

The world's moving forward. On the new Shell Oil Company maps of Boston and vicinity, the Harvard Bridge is no longer called the Harvard Bridge. You guessed it . . . it's the M.I.T. Bridge.

DEFINITION OF THE WEEK
 Department. A physicist who puts bricks on the atomic pile . . . is called a nuclear meson.

Seen on bulletin board near Building Ten. "Apartment for rent, just off Harvard Bridge, near Boston side." Does a boat go with it?

Name for the New Senior House . . . The Pregnant Worm.

Conversation between two people, overheard while standing in line at Walker: "What did you come to M.I.T. for? . . . "Well, it wasn't for a good meal."

M. C. G.

Dorclan

(Continued from Page 1)

T. Hulswit '49, and the position of secretary is held by Walter F. Wagner '49.

Those being inducted into the society this year are Guy Bell '50, William Black '49, Thomas Dillon '49, John Gulick '49, Tim Hawley '49, Charles Johnson '51, Robert King '49, Blair Manning '50, James Miller '50, Fred Rayfield '50, Conrad Wroblewski '50, and Henry Simmons '50.

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Teachers Formed Union Affiliated With the A.F. of L.

There are labor unions; there are trade unions; there are even teachers' unions. Represented at the Institute is such an organization under the chairmanship of Professor Dirk Jan Struik.

Local 664 of the American Federation of Teachers was chartered by seven instructors of the Institute in December 1940. Originally several members of the faculty belonged to the independent Harvard Union, but at that time they believed that it would be advantageous to organize a Technology Local.

When It Began

At its outset the Technology Teacher's Union was fairly well represented. According to Professor Struik, there were faculty members, however, who felt that it was not the place of the teaching profession to participate in an organization which is affiliated with the American Federation of Labor as is the Teacher's Union.

The union was principally interested in instructor's tenure of office and civil liberties.

Schools Fail

A portion of the Preamble states: "We believe that the schools have failed of their fullest attainment because of undemocratic administration, adherence to tradition and lack of responsiveness to the needs of the community; and that the teachers must find the remedy."

Union Folds Up

Professor Struik says that because of the large turnover of the faculty staff during the war and the general lack of interest of the staff since then, activities of the teacher's staff have ceased. However the charter still lies in Professor Struik's desk drawer waiting for a renewed interest of faculty members.

Pretty Paula Kelly, T.C.A. Secretary, To Marry Senior

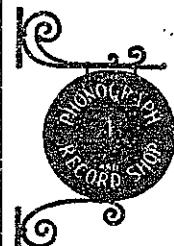
Miss Paula Kelly, popular T.C.A. secretary, is engaged. For those Techmen who are undoubtedly disheartened at this announcement we quickly add that the news constitutes something of a triumph for Technology, since the lucky gentleman is J. Ralph Hugget Jr., a member of the Class of '49.

The couple plan to marry sometime next September, after Ralph receives his degree in Course XV. Paula then intends to sacrifice the joys of the T.C.A. for a marital career.

Though both hail from the Boston vicinity, they met here at the Institute. It wasn't until a recent weekend at Tech House that Ralph became convinced, we are told, for it was then that he learned of Paula's culinary ability.

The black-haired, green-eyed colleen first came to Technology some four years ago, after completing studies at Leland Powers Theater School and Kathleen Dell Secretarial. In addition to her work on the T.C.A., she has maintained an active interest in life at the Institute. She had a dancing and singing role in last year's Tech Show.

Always maintaining a "very high opinion of Techmen," she claims that "Any woman would love to have the job I have."



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World Socialists, Debating Society Discuss Capitalism vs. Socialism

Two veterans of Boston Common oratory, members of the World Socialist Party, and two Techmen describing themselves as "average weight Republicans" squared off in 10-250 last Wednesday over the old question of socialism vs. capitalism. Presided over by dean of humanities John E. Burchard, the discussion took the form of a debate.

Lenord Fenton and George Gloss of the WSP defended the resolution that "Capitalism has outlived its social usefulness," while James Jenkins '50, and Edward Perkins '50, of the M.I.T. Debating Society, took the negative side. Speaking with intensity and conviction Fenton and Gloss presented capitalism as an evolved system that had been useful

in the past but now stood as an obstacle to further progress.

Jenkins and Perkins defended capitalism on the grounds that although not perfect, it was a better system on the whole than what socialism had to offer. More production, better labor, greater efficiency, and the competitive price system all offered a fairer distribution of wealth than socialism did, according to their defense.

The debate was closed by a short question period. The World Socialist Party has run similar debates with Harvard and other colleges in the country; they are not associated with the Norman Thomas group. The debate was run under the auspices of the Lecture Series Committee.

New Eta Kappa Nu Officers For Next Term Announced

Eta Kappa Nu, honorary electrical engineering fraternity, announces the new officers for the spring term as A. Graham Sterling, G, President; Richmond Perley '49, Vice President; John A. Baring, G, Recording Secretary; Austin F. Marx '49, Corresponding Secretary; Emerson D. Callahan, G, Treasurer; and Kemon P. Taschioglou '49, Bridge Correspondent.

At its meeting in Tyler Lounge on Tuesday, January 11, the society also appointed standing committees to handle the elections, pledging duties, and other activities for the coming term. It was also decided to create an Executive Committee to be composed of the officers of the chapter.

CALENDAR OF EVENTS

JANUARY 14 TO JANUARY 22

FRIDAY, JANUARY 14

Mechanical Engineering Department. Seminar: "Determination of Boundary Stresses in the Pressing of Cylindrical Powder Compacts." Maurice E. Shank. Room 3-470, 4:00 p.m. Coffee will be served at Headquarters from 3:30 to 4:00 p.m.
Freshman Basketball Team. Game with Nicholas Junior College. Walker Gymnasium, 7:00 p.m.
Varsity Basketball Team. Game with United States Coast Guard Academy. Walker Gymnasium, 8:00 p.m.

SATURDAY, JANUARY 15

Modern Languages Department. Graduate Language Examinations. French examination, Room 24-502, 10:00 to 12:00 a.m. German examination, Room 3-440, 2:00 to 4:00 p.m.
Rifle Team. Match with Siena College. M.I.T. Rifle Range.
Varsity Swimming Team. Meet at Bowdoin College, 2:00 p.m.
Varsity Wrestling Team. Match at Amherst College, 2:00 p.m.
Freshman Wrestling Team. Match at Harvard University, 2:00 p.m.
Squash Team. Match at Amherst College, 2:30 p.m.
Freshman Swimming Team. Meet at Gardner High School, 3:00 p.m.

SUNDAY, JANUARY 16

Society of Arts. Popular Science Lecture: "Cosmic Rays—Their Nature and Properties." Dr. Bruno B. Rossi. Room 10-250, 4:00 p.m.

MONDAY, JANUARY 17

Electrical Engineering Department. "Electronic Measurements in Optical Problems." Donald E. Williamson, Baird Associates. Room 20E-121, 11:00 a.m.
Technology Dames. Talk on The Window Shop by Mrs. Michael Bever. Emma Rogers Room, 2:30 p.m.
Mathematics Department. Mathematical Lecture Series: "Mean Motions and Almost Periodic Functions." Professor Borge Jessen, University of Copenhagen. Room 2-240, 4:30 p.m. Tea will be served in Room 2-251 at 4:00 p.m.
Faculty Pistol Club. Rifle Section, Rifle Range, 5:00 p.m.
Flying Club. Ground School films. Room 20E-011, 5:00 and 7:00 p.m.
Research Laboratory of Electronics. Seminar: "Electron Wave Amplifier Tubes." Dr. A. V. Haeff, Naval Research Laboratories. Room 6-120, 7:45 p.m.

TUESDAY, JANUARY 18

Technology Matrons. The Bridge Group. Alice MacLaurin Room, 1:00 p.m. Mathematics Department. Mathematical Lecture Series: "Mean Motions and Almost Periodic Functions." Professor Borge Jessen. Room 2-240, 4:30 p.m.
Faculty Pistol Club, Rifle Range, 5:00 p.m.
Model Railroad Club. General meeting. Room 20E-216, 5:15 p.m.
Faculty Bowling League. Walker Memorial Alleys, 6:00 p.m.
Hockey Team. Game with University of Massachusetts. Skating Club of Boston, 7:00 p.m.

WEDNESDAY, JANUARY 19

Faculty. Meeting. Huntington Hall, Room 10-250, 3:15 p.m.
Metallurgy Department. Colloquium: "Process Metallurgy of Beryllium." Dr. C. B. Sawyer, The Brush Beryllium Company. Room 2-390, 4:00 p.m.
Freshman Swimming Team. Meeting with Dean Academy. Alumni Pool, 4:30 p.m.
Mathematics Department. Mathematical Lecture Series: "Mean Motions and Almost Periodic Functions." Professor Borge Jessen. Room 2-240, 4:30 p.m.
Catholic Club. "Consolations of a Catholic Believer." Reverend Francis P. Moran. Room 6-120, 5:00 p.m.
Faculty Pistol Club, Rifle Range, 5:00 p.m.
Hockey Team. Game with Boston University. Boston Arena, 7:00 p.m.
Chemistry Department. Physical Chemistry Colloquium: "Properties of Liquid Helium." Dr. Laszlo Tisza. Room B-23, Mallinckrodt Laboratory, Harvard University, 8:00 p.m.

THURSDAY, JANUARY 20

Technology Matrons. Tea. Bradford Washburn, Director of Boston Museum of Science, and Norman D. Harris, Educational Director, will describe plans for the new science center. Husbands are invited. The President's House, 3:00 to 5:00 p.m.
Physics Department. Colloquium: "Ferromagnetic and Paramagnetic Resonance at Microwave Frequencies." Dr. Arthur F. Kip. Room 6-120, 4:30 p.m.
Faculty Pistol Club, Rifle Range, 5:00 p.m.
Faculty Bowling League. Walker Memorial Alleys, 6:00 p.m.

EXHIBITION

The work of Mies van der Rohe, Director of the School of Architecture, Illinois Institute of Technology, will be on display in Lobby of Building 7 until January 29.

CALENDAR OF EVENTS

The Calendar will not be published during examination week, January 21-29; or the week between terms, January 28 to February 5. Beginning Tuesday, February 15, the Calendar will appear in The Tech each Tuesday and will not be published separately. The Tech will be distributed free of charge to all members of the staff, heads of D.I.C. projects, as well as to the leaders of various organizations. It will be mailed to others for one dollar a year, payable in advance at the Calendar of Events Office.

Material for the Calendar, February 16-22, is due in the Office of the Editor, Room 7-204, not later than noon on Thursday, February 10. Please note that the Calendar week beginning February 15 will include events for one week, Wednesday through Tuesday, and that the new deadline for material will be at noon on Thursday each preceding week.

Stratton Prize

(Continued from Page 1)

tion should be given to clear, grammatical English and the proper use of scientific terms.

The members of the final audience require that the paper should

be comprehensible to laymen. This fact, of course, does not mean that the speaker is prevented from maintaining a strictly scientific view involving the use of explained technical terms. The paper should be in the nature of an "on the job" report.

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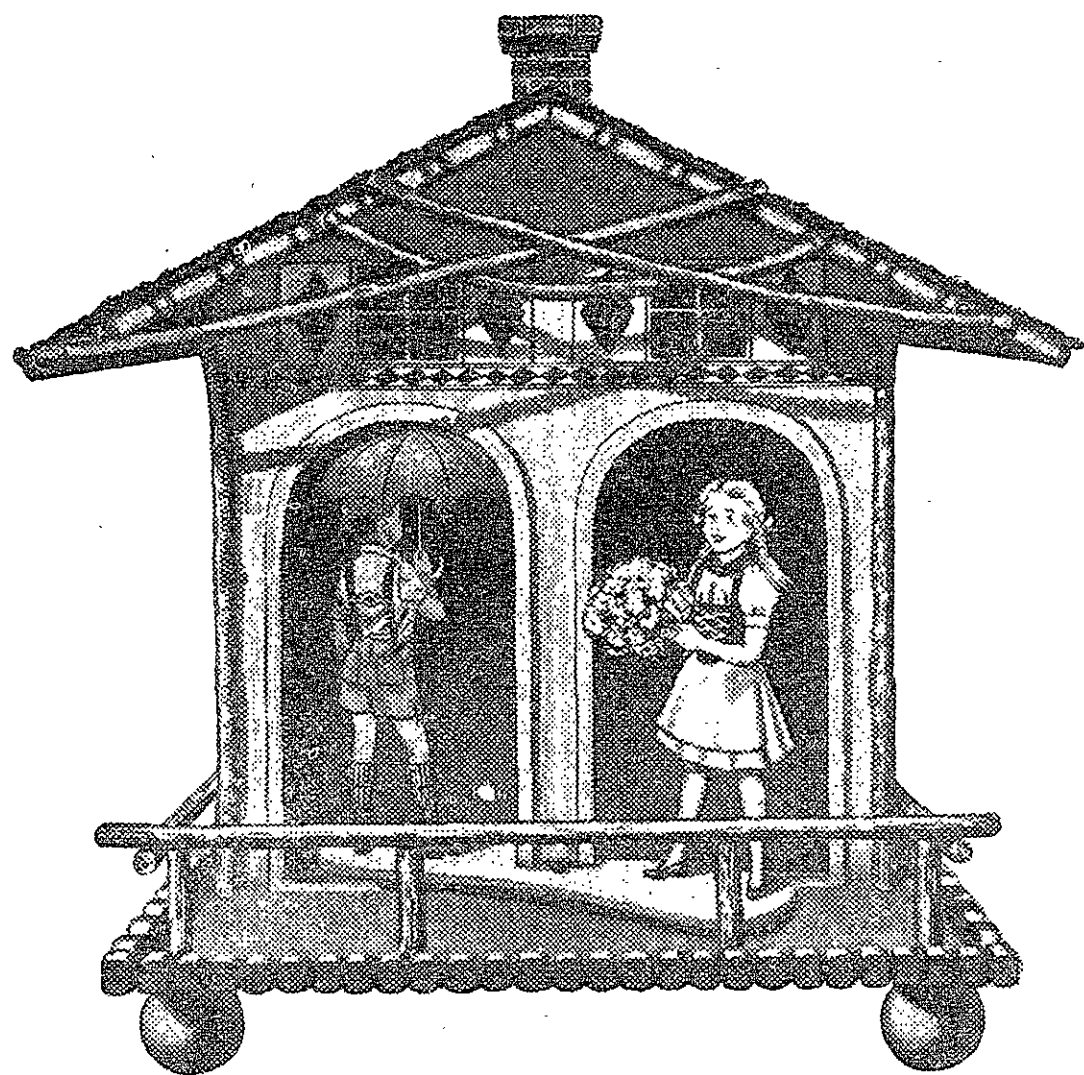
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Pucksters Drop 2 Tilts; Bow To BC, Northeastern

Northeastern took the Engineer hockey squad to the tune of seven to three last Wednesday night, for the Techmen's second loss of the week. On Monday night, the Engineers had put up a game fight against B.C.'s champions, only to lose out 11-5.

In the Northeastern tussle both squads played slow hockey for the first period; during the second and third frames the action was fast and rough, with the Husky six coming in on the long end of the scoring.

Lea Scores

Don Lea collected one tally at the beginning of the second period on a play from Hamilton and Fuller, and Ted Madden made a very nice solo dash seven minutes later, to match the Northeastern effort of that period. In the third and final stanza, Walworth scored on a pass from Lea for Tech's only goal, while James Bell and Reid of Northeastern went on a scoring spree of three.

The outcome of this game evened the score between the two teams at one game apiece, and might have knocked Tech out of the League playoffs at the end of the season. The Beavers will have a chance to improve their record as they meet the University of Massachusetts and a strong B.U. squad next week.

B. C. Unbeaten

Last Monday Boston College's pucksters so far undefeated this season, won an 11-5 decision over Tech to hold their positions as tops in the league, and perhaps tops in the nation. The Engineers played the superior Eagle squad on even terms through most of the game, and trailed by only 5-3 near the end of the second stanza, when B.C. broke out in a rash of goals.

The home squad just can't seem to keep the topheavy scores from coming, and though they look good on the ice, too many of the scoring threats are lost by poor puck handling near the net.

Trip Postponed

Last week's scheduled trip to New Hampshire and Colby was canceled due to the lack of ice on the latter's outdoor rinks. The trip has been rescheduled for February 24 and 25.

M.I.T. (3)—Connor (G), Madden (RD), Fuller (LD), Walworth (C), Hamilton (RW), Lea (LW).

N. U. (7)—Tilley (G), Kerivan (RD), F. Bell (LD), J. Bell (C), MacKenzie (RD), Reid (LD).

Substitutions
M.I.T.—Russell, Bjork, Hodges, Nolan, Chisholm, Tsotsi, Arey, Spaulding, Bradley.

N. U.—Rando, Bryne, MacEwen, DeVarennes, Johansen, Heavey, Nason, Shepardon, Barry, Howell.

Scoring
1st: (N.U.)—Kerivan from J. Bell, Heavey from Barry.

2nd: (M.I.T.)—Lea from Hamilton and Fuller, (N.U.)—Rando from Barry and Heavey, Reid from J. Bell and MacKenzie, (M.I.T.)—Madden alone.

3rd: (N.U.)—J. Bell from Reid, (M.I.T.)—Walworth from Lea, (N.U.)—Reid from J. Bell and MacKenzie, J. Bell alone.

Penalties
Barry, MacKenzie, Nason, Hamilton, Kerivan.

BOSTON COLLEGE (11)—G. Burke: rd, Songin; ld, Delorey; c, Lewis, rw, Fitzgerald; lw, Threadgold.

M.I.T. (5)—G. Connor, 11, Fuller; ld, Tsotsi; c, Walworth; rw, Lea; lw, Hamilton.

B. C. spares: Mulhern, Harrington, McIntire, Bryne, Dooley, Gallagher, Talbot, Ahearn, Shellenbach.

(Continued on Page 6)

AA Elects Lopez As President; Rorschach, Brinkley Also Named

George A. Lopez '50 was elected President of the M.I.T. Athletic Association for the coming year at the AA's annual elections meeting last Tuesday evening. At the same time Rich Rorschach and Amiel Brinkley were elected to fill the posts of varsity vice-president and intramurals vice-president, respectively.

The three elected comprised the slate presented to the AA by its executive committee at a previous meeting. Lopez and Rorschach, both unopposed, were elected on a white ballot, while Brinkley was opposed by Joe Gottlieb, who was nominated from the floor.

Formerly Equipment Manager

Lopez, who will take over the reins of the AA from retiring President Jim Veras at the next meeting, has served during the past two years as Assistant Equipment Manager and then as Equipment Manager. Rorschach, the new varsity vice-president, has been on the basketball team for the past two seasons, and has also served as manager of the golf team. Brinkley has been assistant intramurals manager and volleyball manager, and now takes over as vice-president in charge of intramurals.

The appointment of a new Treasurer, Publicity Manager and Equipment Manager will be announced at the AA's next meeting.

BEAVER BARKS

By Leo Sartori

We first of all wish to add our congratulations to the many which Jim Veras has been currently receiving. Jim, for the benefit of those few who may not have heard, was named last week to the All-America soccer team as center halfback. This honor climaxed a brilliant career which saw him captain the Tech booters for two years, and gain All-New England and All-North recognition.

While we were talking with Mr. Geiger the other day, the conversation got around to his recent western trip. At Chicago Mr. Geiger attended a conference of the College Physical Education Association which turned out to be quite interesting.

It seems that with television and other factors cutting down on gate receipts, more and more are having to dig down into their own funds in order to support their athletic programs. This fact is causing some collegiate authorities to think twice about the real purpose and value of college sports.

What we're driving at is the fact that the actual purpose of collegiate athletics is not (or should not be) to field winning teams to please alumni or get a lot of publicity for the school, but rather to develop the minds and bodies of as many young men as possible, and to instill the spirit of sportsmanship and fair-play. This has been the philosophy in back of the athletic program here at Tech for some time, and the program has been improved and extended since Mr. Geiger took over as Athletic Director.

No Football

People may scoff at the fact that Tech has no football team and our teams don't win many national championships, but the fact remains that the individual athlete especially if he is not a star, can get a lot more attention and aid here than at many institutions which regularly field successful teams. For example anyone can go down to the Briggs Field track and get the benefit of Oscar's advice and attention, even if he can't run the hundred yard dash in 9.8.

Of course students and alumni like to see their teams compile winning records. We enjoy reporting Tech victories as much as anyone. However, to ignore completely the average individual with an average amount of talent and concentrate on the handful of stars who make up a varsity team is, in our opinion, defeating the primary purpose of collegiate athletics. Apparently some others are slowly coming around to that viewpoint too.

NCAA Meets

The other meeting which Mr. Geiger attended was that of the NCAA at San Francisco. Here too the main topic under consideration was apropos of the subject we've been discussing.

The NCAA is getting a little worried about the matter of athletic scholarships and aid to athletes in general. It has adopted a Sanity code under which scholarship aid to athletes may not exceed tuition (plus registration expenses, etc.), and also all scholarships and financial aid to athletes must be made public.

This step has been needed for a long time. It is a well-known fact that many colleges do little less than bribe star high school athletes to come out and play football "for dear old Yoo-hoo U." In The Tech's Fido issue a while back we wrote a story which ridiculed this practice by applying it to Tech, but when applied to certain Southern (and some Northern) schools the story loses any humorous connotation it may have had.

Forcing the details of financial aid given to athletes is certainly a step in the right direction. Of course there are ways of circumventing rules such as the Sanity code. Cooperative alumni can always be found who will give the athlete in question a nice job such as inspecting the office twice a year, and pay him \$75 a week for doing it. Not much can be done about this sort of thing, but it is hoped such farcical practices as the "competition" among colleges for high school athletes will be at least reduced.

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AGENDA

Institute Committee Meeting
January 19, 1949

Old Business:

Moved (Gottlieb): that Institute Committee write a letter to President Truman advocating his support of a federal world government provided the name of those in favor of this motion be listed in the letter.

New Business:

1. Motion by the freshman class to the effect that:
(a) A member of the freshman council of the class of 1952 who is delinquent in his attendance at their meetings will automatically be replaced.
(b) The term of office of section leaders of all future freshman classes be extended from one term to one year.
2. Moved (Exec. Comm.): that the Tech Show budget be approved.
3. Moved (Exec. Comm.): that the freshman dance budget be approved.

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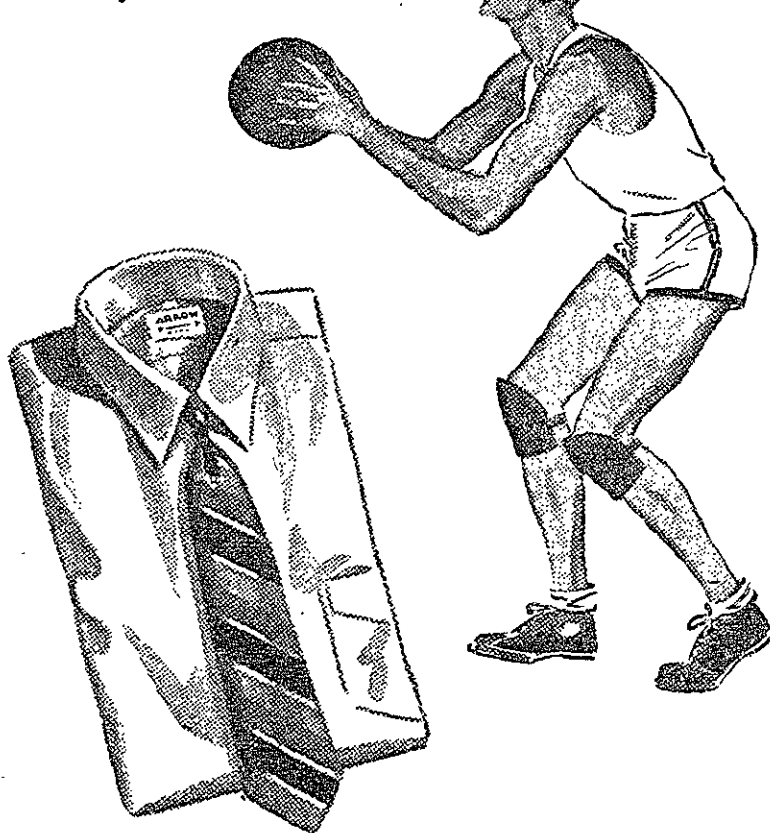
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Sports Schedule

FRIDAY, JANUARY 14		
Basketball—Freshmen vs. Nichols Jr. College at Walker Gym—7:00 p.m.		
—Varsity vs. Coast Guard Academy at Walker Gym—8:15 p.m.		
SATURDAY, JANUARY 15		
Swimming—Freshmen vs. Gardner High School at Alumni Pool—		3:00 p.m.
—Varsity vs. Bowdoin at Brunswick, Maine—		2:00 p.m.
Wrestling—Varsity vs. Amherst at Amherst—		2:00 p.m.
—Freshmen vs. Harvard at Harvard—		2:00 p.m.
Squash—Varsity vs. Amherst at Amherst—		2:30 p.m.
Fencing—Varsity vs. Bowdoin at Brunswick, Maine—		2:30 p.m.
Rifle—Varsity vs. Siena College at home—		1:00 p.m.
TUESDAY, JANUARY 18		
Hockey—Varsity vs. U. of Mass. at Boston Arena—		7:00 p.m.
WEDNESDAY, JANUARY 19		
Hockey—Varsity vs. Boston University at Boston Arena—		7:00 p.m.
Swimming—Freshmen vs. Dean Academy at Alumni Pool—		4:30 p.m.

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Varsity Wrestlers To Meet Amherst Undeclared Frosh Aim For 2nd Harvard Win

Technology's wrestlers will be trying for their first win of the season this Saturday, as they travel to Amherst for their first match away from home. Previously, the Red and Grey grapplers have tied Tufts, and lost to Harvard and Wesleyan.

The freshmen squad will meet Harvard in a return match, and will be trying for their fourth victory in a row. The frosh squad has beaten Tufts, Harvard and Wesleyan.

Both the freshmen and varsity matches will be the last meets of this term, and the teams will remain idle until February 12, when they meet Springfield.

WESLEYAN SUMMARY
Varsity: Wesleyan 13, MIT 12
121 lb. class: Jack Silliman (W) defeated Sam Raymond (T) by decision (4-1).

Cagers Lose To Northeastern Despite Madden's 24; Huskies End Frosh Win Streak, 68-62

SPORTS RALLIES

The A.A. wishes to announce two sports rallies to be held at the beginning of next term.

A crew rally will be held on Monday, February 7 (Registration Day), at 5:00 p.m. in Room 10-250. All interested are invited to attend.

A baseball rally will be held on Wednesday, February 9, at 5:00 p.m. in Room 10-250, to make plans for the coming season. Warren Berg, the new baseball coach, will be present to meet all candidates, and everyone is invited to attend.

123 lb. class: Bill Berkman (W) defeated John Christian (T) by decision (6-4).
134 lb. class: Dave Findlay (T) defeated Tony Brewer (W) by decision (6-3).
145 lb. class: Art Stemler (W) defeated Tom Callahan (T) by decision (6-3).
156 lb. class: W. Haggerty (T) and Jack Dolph (W) fought to a tie in 2-08 of 2.
167 lb. class: Dick Lemmerman (T) defeated Belluono (W) by pin in 1:04 of 3rd.
178 lb. class: Neal Keller (W) defeated Bill Bruce (T) by pin in 0:51 of 2nd.
Unl. lb. class: Lars Soderberg (T) and Pete Wichowski fought to draw (7-7).

Freshmen: MIT 27, Wesleyan 5
121 lb. class: Bill Chen (T) won by forfeit.
128 lb. class: Larry Foley (T) defeated Harold Buckingham (W) by pin in 2:17 of 2.
136 lb. class: Warren Russel (W) defeated Larry Mayer (T) by pin in 2:00 of 1st.
145 lb. class: John Hanson (T) defeated Clyde McKee (W) by decision (3-0).
153 lb. class: Sam Mitchell (T) defeated Jack Schwartz (W) by decision (6-0).
163 lb. class: Hugh Robertson (T) defeated Bruce Munro (W) by pin in 2:08 of 2.
175 lb. class: Charles Bading (T) defeated George James by decision (12-11).
Unl. lb. class: Gene Rappoport (T) defeated Bill Copeland (W) by decision (4-1).

Riflemen Conquer Mass. U. For Eighth Straight Victory

Scoring its eighth successive win, the undefeated Tech rifle team edged out a squad from the University of Massachusetts last Saturday in a match held on the losers' range. The score was 1342 to 1325. Jim Robertson and Charles MacDonald were high scorers for Tech. Each fired a 270 out of a possible 300.

Tomorrow afternoon will find the Beaver riflemen playing host to Siena College of Albany on the home range.

By **LEW BERGER**
Huntington Avenue Y.M.C.A. was the scene of a double Tech defeat last Wednesday evening as both quintets were drubbed by Northeastern. The varsity dropped its seventh straight, 67-52, while the previously unbeaten freshman team was dumped, 68-62.

Ted Heuchling's club played a much finer game than is indicated by the final score. Individually, Captain Jim Madden, stitched hand and all, captured scoring honors with a total of 24 points. More important, however, is the fact that Tech played together as a unit throughout the entire contest. The classy ball-handling and drive were there all right, but the opposition was just too good.

Opening Minutes Even

Things stood even in the early moments of play. Then Fran Walsh and Tom Blair started a drive which pulled the Huskies out in front, 26-9. Morton's foul and pivot shots followed by Madden's long goal

AI CLASSES

All AI athletic classes for this term will terminate today, it was announced by Mr. Geiger. First meetings of next term's athletic program will be held on Monday, February 7.

Bridge Regionals Set For February

Eliminations for the New England Regional Bridge Tournament will be held on January 15 and 22, and February 12 and 19, at 1:30 p.m. in Tyler Lounge. From these competitions four pairs will be chosen to represent M.I.T. in the Regionals which are scheduled to be held on February 23, 24, or 25.

The purpose of the New England Regionals is to pick qualifiers for the National Intercollegiate Bridge Tournament to be held in Chicago in April.

In order to be eligible for the Regionals, an entrant must have competed in at least four bridge tournaments this year.

closed the gap to 26-14, but at intermission, the Beavers trailed by the considerable margin of 32-18.

The second-half found the Engineers desperately trying to regain lost ground in vain. Whenever they managed to put together a few points, Northeastern bounced back on easy lay-ups and tap-ins. At one point, Hitchins, Rorschach, Hong, and Honkalehto brought Tech within nine points of the Huskies, at 41-32, only to have Walsh, Diehl, and Blair score seven straight markers. From here on in Tech never threatened.

Statistically and Otherwise . . .

The Engineers took 81 shots to drop their 16 field goals, a .197 percentage, while they sank 20 out of 29 free throws for a .690 average. . . . Tech sorely missed the services of . . . The going should be easier against Coast Guard in Walker Gym tonight.

Freshman Game Exciting

The preliminary game proved to be much more exciting than the varsity contest. A seemingly outclassed Tech freshman squad suddenly found itself in the second half and almost added a "Frank Merriwell" finish to the books.

After an uninteresting first quarter the Husky yearlings held a 17-10 lead. With John Silk supplying the scoring punch, Northeastern widened its margin to 37-16 at half-time.

Trailing 49-25 midway in the third quarter, Tech gradually pulled itself together. Jules Kassig touched off the rally with a one-hander, and Lee and Mattson followed with field goals. With things picking up, the Tech five began to play Northeastern all over the court, trying to prevent the Huskies from bringing the ball into their own forward court. This strategy brought the Beavers up to a 12 point deficit with ten minutes to play.

Larry Garthe, Kassig and Nacey paced the last period drive as Tech pulled to within four points of the Huskies at 62-58. This was as far as the Frosh could get, however, as Northeastern went on to win, 68-62. The loss was a tough one for Warren Berg's quintet after six straight victories.

Varsity Game

M. I. T. (52)	G. F. P.	NORTHEAST'N (67)	G. F. P.
Madden, rf	8 8 24	Diehl, rf	3 1 7
Hong	0 1 1	Sheldon	0 0 0
Rorschach, lf	1 3 5	Cappuccio	0 0 0
Butzow	0 0 0	Blair, lf	5 3 13
Kyros	0 0 0	Greene	1 1 3
Morton, c	2 1 5	Walsh, c	7 5 19
Hitchins	1 1 3	Butchard	0 0 0
MacMillan, rs	0 2 2	Austin	0 0 0
Campbell	1 1 3	Podenzler, rs	3 4 10
Honkalehto, lg	2 3 7	Gosselin	0 0 2
Inman	1 0 2	O'Connor	0 0 0
TOTALS	16 20 52	Keyes, lg	3 3 9
		Landhi	1 0 2
		Vente	1 0 2
		TOTALS	24 19 67

FRESHMAN GAME

M. I. T. (62)	G. F. P.	NORTHEAST'N (68)	G. F. P.
Garthe, rf	0 6 6	Colo, rf	3 3 9
Kassig	4 5 13	Perkins	1 1 3
Herdman, lf	0 1 3	Silk, lf	7 5 19
Hoborst, c	1 1 3	Anderson, c	2 0 4
Lee	3 0 6	Granger	4 1 9
Alstine	0 0 0	Toltz, rs	1 2 4
Giantz, rs	0 3 3	Ferrari	5 4 14
Jankowski	1 0 2	Walls	1 0 2
Nacey, lg	8 0 16	Lombardo, lg	0 4 4
Mattson	3 2 8		
Porter	0 0 0		
TOTALS	20 22 62	TOTALS	24 20 68

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Options: Electric Power

Electrical Communications

Electronic Applications

Electrical Engineering-Cooperative Course

General Engineering

Marine Transportation

Mechanical Engineering

Options: General Mechanical Engineering

Engineering Science

Automotive Engineering

Mechanical Engineering-Cooperative Course

Metallurgy

Options: Metallurgy
Mineral Engineering

Meteorology

Naval Architecture and Marine Engineering

The duration of each of the above undergraduate courses is four academic years and leads to the Bachelor's degree with the following exceptions: Architecture, Marine Transportation, Food Technology (Five-Year Course), Physical Biology, and the Co-operative Courses in Electrical Engineering and in Mechanical Engineering, which extend over a period of five years. In addition to the Bachelor's degree, the above five-year courses lead also to the Master's degree, with the exception of Architecture and Marine Transportation which lead to the Bachelor's degree only.

Metallurgy Lab Just Remodeled

Shumann Discloses Purposes Of Project

Recently completed for use by undergraduate students in Course III was the remodeling of the Process Metallurgy Laboratory in the basement of Building 8. According to Professor Reinhardt Shumann, who is in charge of the project, the laboratory is designed for flexibility in dealing with the fundamentals of Process Metallurgy rather than for plain trade school experience.

Begun last year after financial support had been promised by Dr. Thomas K. Sherwood, Dean of Engineering, the laboratory had its christening Monday, January 3. Those invited to the christening party were staff members, undergraduates, and secretaries. Prominent among the various foods served were steaks cooked in one

of the newly installed gas furnaces. This new \$50,000 project boasts of some apparatus with tremendous power consuming ability. Impressive among the equipment are the 150 KVA transformer and the induction heating equipment. Temperatures up to 1600° C can be furnished by the induction heating apparatus. The laboratory is fully equipped and capable of handling the chemical processes involved in the refining of most of the common metals. Such processes as reduction of metal oxides, roasting, sintering, and the refining of liquid can be carried out.

The First Church of Christ, Scientist
Falmouth, Norway and St. Paul Sta. Boston, Massachusetts
Sunday Services 10:45 a.m. and 7:30 p.m.; Sunday School 10:45 a.m.; Wednesday evening meetings at 7:30, which include testimonies of Christian Science healing.
Reading Rooms—Free to the Public, 8 Milk St.; 237 Huntington Ave.; 34 Boylston Street, Little Bldg., Street Floor. Authorized and approved literature on Christian Science may be read or obtained.



Hockey
(Continued on Page 4)

M. I. T. spares: Arey, Nolan, Grady, Madden, Chisholm, Russell, Hodges, Spaulding, Burrell.

FIRST PERIOD—M.I.T. Lea (unassisted), 1:30; B.C. McIntire (Mulhern, Delorey), 3:00; B. C. Gallagher (Byrne), 4:15; M. I. T. Nolan (unassisted), 5:00; B. C. McIntire (Mulhern, Songin), 9:00; B. C. Fitzgerald (Lewis), 18:33. Penalty: Delorey (charging).

SECOND PERIOD — B. C. Songin (Threadgold, Fitzgerald), 6:24; M. I. T. Madden (Walworth), 9:00; B. C. Lewis (Delorey), 13:33; B. C. Mulhern, (McIntire), 18:34. Penalties: Hamilton (board check), Mulhern (holding), Walworth (interference).

THIRD PERIOD — B. C. Harrington (Mulhern), 5:24; B. C. Songin (Mulhern), 8:24; M. I. T. Lea (Walworth), 6:15; M. I. T. Walworth (unassisted), 7:33; B. C. Mulhern, (McIntire), 10:33; B. C. Threadgold (Lewis), 19:30.

PLACEMENT INFORMATION

If you are interested in writing to any of the following companies, come to Room 7-101 for their address.

Baker Manufacturing Company, Evansville, Wisconsin, XVI.

Cambridge Field Station (Civil Service) Cambridge, Mass., VI, II.

Civil Service Commission of Canada, Ottawa, Any Canadian Students.

Corning Glass Works, Corning, New York, VIII, V, VI, X, II, XV, XIV, XVIII.

Fairchild Aircraft, Hagerstown, Maryland, XVI, XV.

Navy Department, Bureau of Ordnance, Washington, D. C., Any Engineering Students.

The Formica Insulation Co., January 17—X, II, XV.

International Business Machines Corp., January 18 (Feb. Grads Only)—II, VI.

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