

## Stratton honored

# New Academy created

Three noted engineers now at MIT were named as founding members of the newly created National Academy of Engineering.

Named were Julius A. Stratton, President, and Professors Antoine M. Gaudin and Thomas K. Sherwood.

All three have worked actively for the foundation of the Academy during the last few years. The Academy is intended to honor distinctive achievements in the fields of engineering in a manner similar to the programs of the National Academy of Science.

Although usually considered a physicist and administrator, President Stratton received an S. B. from MIT in 1923.

Prof. Sherwood, of Course X, received his doctorate at MIT in 1929. He has been a member of the faculty since 1930, and served as Dean of the School of Engineering from 1946 to 1952.

Dr. Gaudin is now the Course III Richards Professor of Metallurgy.

## Dean Johnson proposes new general education program be developed

"MIT clearly needs appropriate alternative academic paths for students who discover, for one good reason or another that they do not wish to major in either science or engineering. Course XV has long served as such an alternative, but it, like other courses in this category, is bound to be derivative to the mainstream."

"The time is perhaps coming when a third major program area at the undergraduate level should join science and engineering."

So write Howard W. Johnson, Dean of the Sloan School of Management, in the undergraduate program discussion section of the School's recently released annual 1963-4 report.

What is envisioned in the report is a "general education program."

The proposal grew out of work of the Course XV undergraduate committee, chaired by Prof. Thomas M. Hill.

## Stone named architect

# NASA contract awarded

The US Army Corps of Engineers and the National Aeronautics and Space Administration last week announced a tripartite master planning contract for the planned \$60 million NASA Electronics Research Center in Kendall Square.

The contract was awarded to the firm of architect Edward Durell Stone of New York City, and to planners Giffels and Rossetti, Inc., of Detroit and Charles A. Maguire and Associates of Boston.

At the same time NASA announced that the New England Division of the Army Corps of Engineers would be design and construction agents for the Center.

The architects and planners have 24 weeks to "execute site utilization studies, synthesis of functional operations, preliminary layouts, definition of architecture and materials of construction, conceptual drawings, cost esti-

mates, and a model of the entire complex," according to the announcement.

Edward Durell Stone studied in the MIT School of Architecture from 1925 to 1927. His work includes the U.S. Embassy in New Delhi and the National Geographic Society building in Washington, D.C.

Construction of the 42-acre facility, which is to include 10 laboratories for electronics and instrumentation research, is planned for the period 1965-69.

Giffels and Rossetti's work includes the Los Alamos Scientific Labs and Project Apollo launch pads A and B at Cape Kennedy.

The Maguire firm planned the pilot automated post office in Providence and the Deep Freeze 2 in Antarctica.

Despite the still-raging controversy over the Kendall Square construction site, the Army engineers have already begun test borings in the area.

## Finals schedule out

The Registrar's Office, now located in the Daggett Building at E19-335, announced last week that final examination schedules will be available this week in the Information Office, 7-111.

All students are advised to obtain a copy of the schedule for reference. Exams not listed, or any conflict in exams, such as two exams on the same morning, must be reported to the Registrar's Office by Wednesday, January 6, 1965.

The Daggett building is located at 50 Ames St. at the intersection of Ames and Main streets.

## Christmas convocation scheduled for tomorrow

Official Christmas activities for the student body begin tomorrow with the annual Christmas convocation at 11 a.m. in Kresge Auditorium; classes will be canceled from 11 am to 12 noon.

Dean George Harrison, Dean Emeritus of the School of Science, will be the principal convocation speaker. His announced topic will be "Science and the Christmas Spirit" and will contain a discussion of the meaning of Christmas as an expression of "the instinctive, age-old and profound appreciation of eternal verities," of which the religious embodiment is one important aspect.

In addition to the Christmas Convocation, the Association of Women Students will hold a Christmas open house tomorrow from 3:30 to 5:30 pm in the Cheney Room, 3-310.

## Redecorated Cheney Room to reopen

By Sue Downs

The Association of Women Students will mark the reopening of the Margaret Cheney Room by hosting a Christmas open house for all students tomorrow in the room, 3-310 from 3:30 to 5:30 p.m.

Two years ago a debate raged over whether to abolish the Cheney Room because its functions might be replaced by the new Student Center building and McCormick Hall. It was decided that the room would remain and be redecorated. Now the decorating has been completed, except for the arrival of a rug held up by a strike in Puerto Rico, and all are welcomed to the Open House to see it.

Named and built in the memory of a coed of the class of 1882 who died shortly before she was to receive her degree, the Margaret Cheney Room provided a feminine retreat in the midst of the male environment at MIT. It serves now as the headquarters for the AWS and as a base for

commuting as well as undergraduate and graduate girls; it can be used by any woman student.

Contrary to its title, the Margaret Cheney Room is not a room but a whole apartment. It is well equipped with a kitchen, a living room, a study room, locker room and showers, and even a resting area where girls may take a short nap between classes. This modernly decorated suite will serve as a convenient resting and studying place for the girls in between classes.

## Townes gets prize in Nobel ceremonies

Dr. Charles H. Townes, Provost, accepted the 1964 Nobel Prize in physics during presentation ceremonies in Stockholm, Sweden, December 10.

Dr. Townes was a co-recipient of this year's physics prize with A. M. Prokhorov and N. G. Basov of the USSR.



## IFC reports \$25,000 donated to IRD Fund

Marshall Dalton '15, chairman of the Alumni Inter-fraternity Council, announced last week that over 475 contributors have donated about \$25,000 in recent months to the Independent Residence Development Fund.

The announcement came at the Inter-fraternity Conference's December meeting, held last Thursday at Valle's Steak House in Newton.

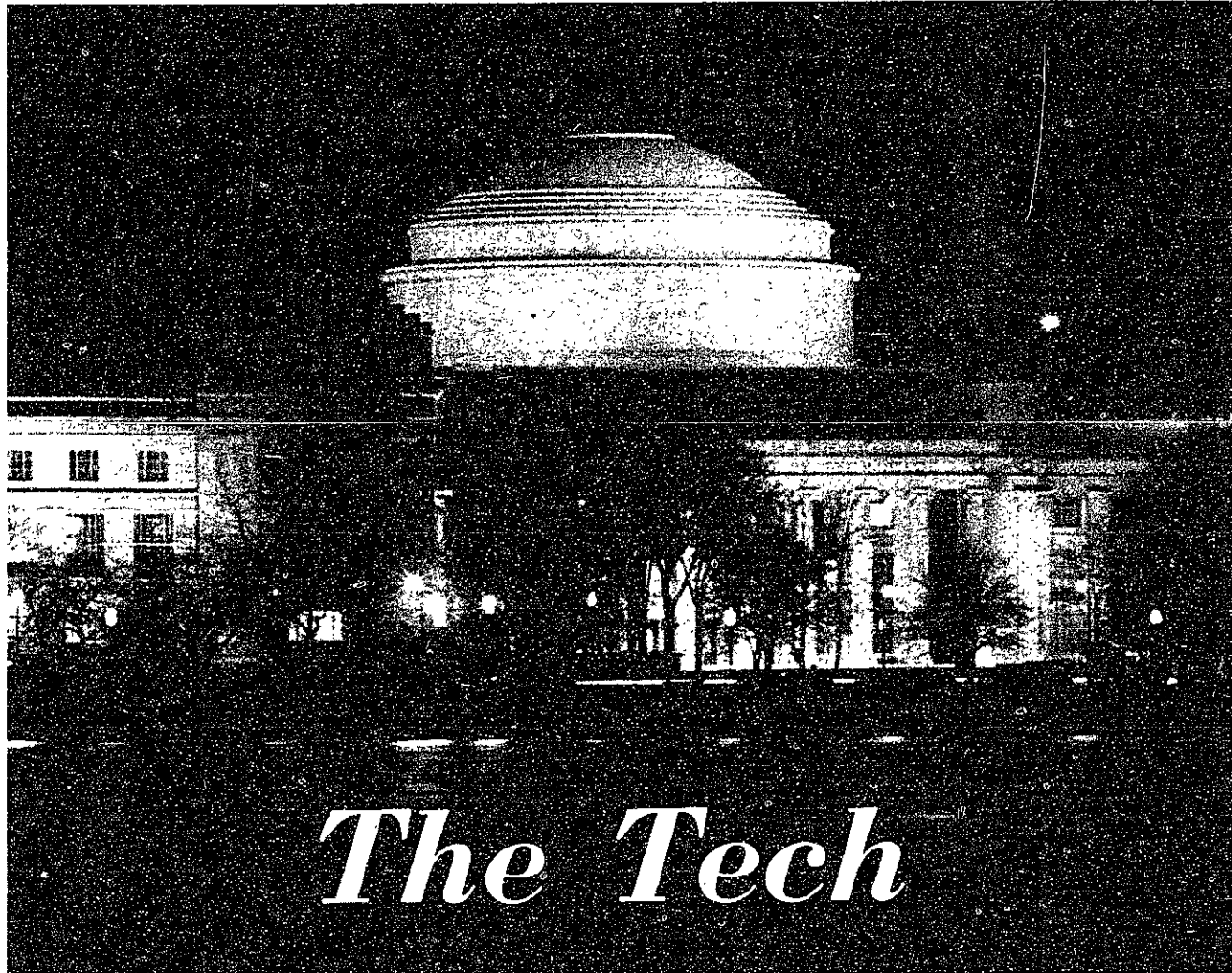
The IRD Fund was created early this spring to accept tax-deductible donations for use in loans to independent MIT living groups. Eventual announced goal of the fund was stated as \$2.5 million.

In other business, F. G. Fassett, Dean of Residence, spoke on the new Boston zoning code. A summary of the law prepared by MIT Planning Officer Robert Simha, was distributed to members.

Dave Anderson '66 of SPE was named IFC Rushing Chairman in an uncontested election.

Mike Kinkead '66 of ATO and Bob Large '66 of LXA reported on the recent National Inter-fraternity Congress in Cincinnati. A formal report will be circulated to fraternities next month.

Reports on the success of the IFC Blood Drive and the Inscmm reorganization plan were heard.



Vol. 84, No. 28 Cambridge, Massachusetts, Tuesday, December 15, 1964 Five Cents

## Activities Council action

# Two groups granted provisional status

Two new student activities received provisional recognition from Activities Council at a meeting held December 8.

Students for a Democratic Society were granted conditional activity status conditional upon the submission of a constitution which meets Activities Council and Inscmm requirements.

Course XXI Society was also granted provisional membership in the Association of Student Activities a group of all undergraduate activities.

All Course XXI students are automatically members of the Society, according to Donna Hayes '66 who represented the group at the Activities Council meeting. She stated that the Society plans to hold seminars for Course XXI majors at least once a year. Other activities planned include the possibility of an Arts Festival and the publication of a literary magazine. The literary magazine as planned would avoid conflict with Tangent.

In other council action, Daniel Murphy '65, WTBS representative to the council, was elected as Activities Council treasurer to fill a vacancy caused by the resignation of John Davis '66. Davis served as the TCA representative to the council.

It was reported at the meeting that all members of the Association of Student Activities will be sent minutes of future Activities Council meetings.

Other discussion included the role of activities in the dedication of the Student Center. A sub-com-

mittee report on Activities Council reorganization was deferred for later action.

The Council reorganization is part of the planned revisions of Student Government currently under discussion in Inscmm.

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## Art sale in Hayden

# Art group selling prints

An art sale of popular and noted artists' prints running from last Monday to December 22, is now under way in the Hayden Gallery.

Sponsored by the MIT Art Committee and the faculty Museum Committee, under Miss Eugene Bullitt, the sale includes both black and white and color prints, for sale at prices ranging from \$2.50 to \$150.

Lithographs by Picasso, Miro, Calder, Poliakoff, Rico Lebrun, Harold Altman and Victor Vasareley are being offered. Also included are etchings by Leonard Baskin, Dufy, Hamaguchi, Jack Levine, Pierre Soulages, Peter Takal, and a small group of 17th century artists.

A group of drawings and colors by 19th century artists, drawings by Sir Edward Burne-Jones, and posters by Roy Lichtenstein will all be offered.

The Gallery will be open from 10 a.m. to 5 p.m. weekdays and purchases may be claimed at the end of each day. Although the Gallery will be open from 1-5 p.m. Saturday and Sunday, no sales will be made on weekends.

The exhibit is constantly changing as prints are sold and replaced by others in the collection. The sale, held for the first time last year, may become an annual event.

**Libraries change over**

**Congress system replacing Dewey**

by Allan Green

The old Dewey Decimal System for the classification of books, long the standard cataloguing scheme for most of the country's libraries, is slowly being replaced at MIT by the Library of Congress (LC) classification, the system that is used in the National Library in Washington.

After a long internal study of the modified Dewey arrangement that the MIT libraries had developed, it was decided in 1963 to switch to the LC system. As a result all new books acquired since then have been filed separately according to LC order. Gradually, all of the library collections will be reshelved in the same manner; but, for the interim period, MIT's collections will be split in their stacking order and catalog arrangement.

Since there is, of necessity, a temporary lowering in library efficiency and convenience during the transition, it should be obvious that there are advantages to the LC system that override this temporary inconvenience.

Although the Dewey Classification had the twin advantages of being fairly well-known to library users and of being arranged logically and anemically, it has flaws that become apparent as a collection grows and is used almost exclusively for academic purposes.

**Dewey system designed for community libraries**

Dewey was influenced by the large, community public libraries that were prevalent in his day. He arranged his classification schedule for the casual library user, not the academician.

This is best illustrated by the Dewey arrangement in the field of literature. Works are not arranged by author, but by the type of writing—that is, poetry, drama, prose, and humor are all shelved in different sections even if written by one man. The LC system arranges all literature chronologically by century and alphabetically by author within each time period. Under the name of each author are all his writings, regardless of type, his biography, and any criticism of his works. This is obviously a tremendous gain in efficiency over the Dewey system.

Another fault of the Dewey

schedule is the disproportionate allocation of space he gives to certain topics. He obviously did not consider science and engineering as important as MIT does.

Finally, it is important in a library with a growing collection that the classification system it uses be flexible. Dewey's arbitrary division by tens makes it difficult to insert new sections or to adjust notation as the need arises.

**Congress system arranges books by expert recommendation**

The LC system avoids the errors of the decimal classification. The subject approaches are not all the same. While the Dewey

system was made by one person, LC is a composite of the recommendations of experts in each field. Science and engineering books, for example, were arranged by and for scientists, not by a philologist for browsing housewives.

But, one of the most powerful features of LC is its large provision for the cross-relationship of knowledge. The interdisciplinary growth of study in all fields today requires libraries to provide easier access to all relevant material.

The LC system is constantly kept up to date by an index of classification schedules and subject headings. The arbitrary alphabetic arrangement of books, makes it a simple matter to include new fields and topics.

Further, since LC is the National classification system, it can be used more economically than any local schedule. The Library of Congress, for example, issues catalogue cards for all new books printed in the country; and these can be incorporated directly into the MIT catalogue.

**Underprivileged children hosted at weekend parties held by students**

MIT students played Santa Claus this weekend to some 310 underprivileged children from Cambridge and Somerville.

Thirteen MIT fraternity houses on both the Boston and Cambridge sides of the river gave Christmas parties Saturday and Sunday afternoons for youngsters aged 5 to 12 years old. Two other parties for about 75 children were held in the Graduate House and the Walker Building.

Amid holiday decorations, including giant Christmas trees, the collegians entertained their primary school guests with refreshments, movies, games and caroling. At many of the parties a student dressed as Santa Claus distributed presents among the children. Each of the children received a gift.

The fraternities, many of which have played host to the community's children every Christmas for several years, include Alpha Epsilon Pi, Phi Gamma Delta, Phi Kappa Sigma, Chi Phi, Alpha Tau Omega, Delta Kappa Epsilon, Sigma Chi, Beta Theta Pi, Lambda Chi Alpha, Delta Upsilon, The

ta Xi, Phi Mu Delta and Student House.

Phi Mu Delta had as its guests 20 children from two Cambridge families who, according to the director of a local settlement house, would otherwise not be celebrating Christmas at all.

Kim Collins, a sophomore from Wichita, Kansas, coordinated arrangements for the young children and entertained 20 at the Walker Building party.

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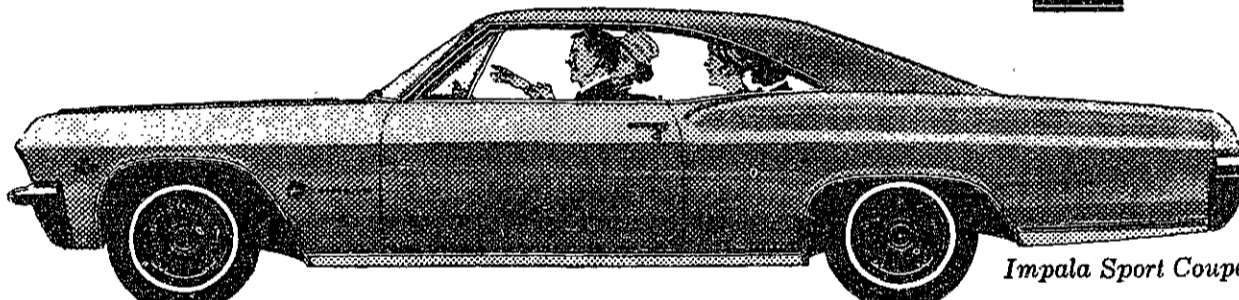
Dec. 21-25	Feb. 1-5
Jan. 4-8	Feb. 8-12
Jan. 11-15	Feb. 15-19
Jan. 18-22	Mar. 1-5
Jan. 25-29	Mar. 8-12

For folders, information or reservations, write lodge of your choice or Box 206c, Stowe Area Association, Inc., Stowe, Vermont.

\*available only to guests of Stowe Area Association members

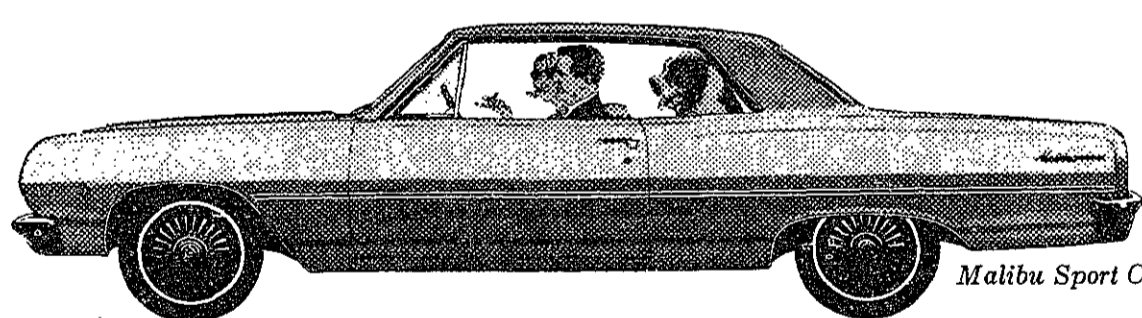
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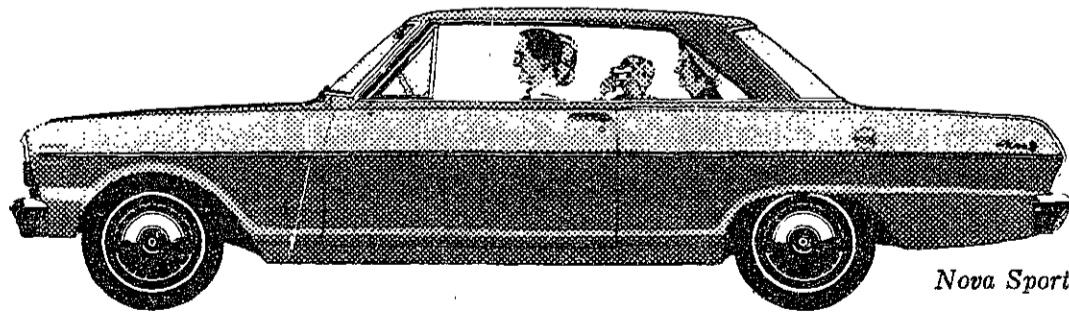
Impala Sport Coupe

**'65 Chevrolet** It's longer, wider, lower. It's swankier, more spacious. You could mistake it for an expensive car—if it weren't for the price.



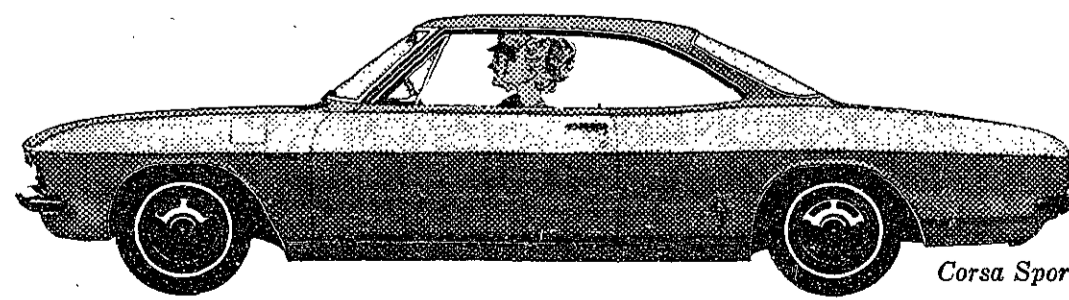
Malibu Sport Coupe

**'65 Chevelle** Fresh-minted styling. V8's available with up to 350 hp. A softer, quieter ride. And it's as easy-handling as ever.



Nova Sport Coupe

**'65 Chevy II** Clean new lines. Fresh new interiors. A quieter 6 and—V8's available with up to 300 hp. Thrift was never so lively.



Corvair Sport Coupe

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**Sailing group to give seamanship seminars**

A free series of sailing discussions, 'Seminars on Seamanship,' will begin Wednesday, January 6. Presented by the MIT Nautical Association, the winter series is designed to encourage Association members to become full coxswains.

Topics to be considered in the series include: charts and piloting, heavy weather seamanship, anchoring, sailmaking.

**New program instituted for juniors, to take year of courses in France**

The first program for American engineering and mathematics students to study abroad as juniors will begin next September in Nantes, France, under the Institute of European Studies. The Institute will conduct the foreign-study program in cooperation with the Ecole Nationale Supérieure de Mécanique, a French national

school of higher education in mechanical engineering, and the University of Nantes.

The program will begin with an intensive orientation period and will continue with regular French-taught courses in the students' major fields with additional courses in French language and literature, history, and art history. Local Nantes business organizations have guaranteed summer placement of engineering students in French industries.

Prerequisites include junior standing and a year of college French. All application material, which may be obtained from the Institute of European Studies, 35 E. Wacker Drive, Chicago, will be due in May.

**Sheehan receives patent**

The basic patent on the chemical synthesis of penicillin has been issued to Dr. John C. Sheehan, professor of chemistry, by the Commissioner of Patents in Washington.

Chemical synthesis of penicillin was accomplished by Dr. Sheehan and his research associates in 1957 after nine years of effort. During World War II there was a massive program involving thousands of chemists in the United States and Great Britain to synthesize penicillin, but the attempt failed.

Dr. Sheehan was awarded the John Scott Medal for 1964 by the city of Philadelphia for his work on penicillin.

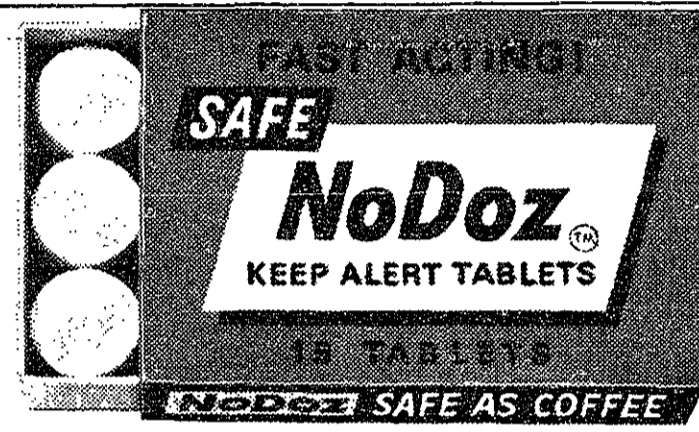
**Christmas Vacation Hours Dining Service schedule**

**Morss Hall:**  
8 a.m.-2 p.m. weekdays, Dec. 21-24, 28-31

**Pritchett Lounge:**  
11 a.m.-4 p.m. December 17, 18  
4 p.m.-7 p.m. weekdays, Dec. 21-24, 28-31  
9 a.m.-7 p.m. weekends, Dec. 19, 20, 26, 27, and Jan. 3  
9 a.m.-12 p.m., Jan. 3

**Graduate House:**  
Open Saturday, Dec. 19 and Sunday, Jan. 3 only. All facilities will be closed Christmas day and New Year's Day. All other dining facilities will be closed throughout the vacation.

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**Registrar releases registration figures**

A total of 3612 undergraduates and 3313 regular graduate students were schooled by 2,642 faculty, faculty emeriti, and teaching staff last school year, according to the 1963-64 Registrar's Office annual report.

The report, recently released, lists statistical breakdowns of course registration, degrees awarded, coed course registration, geographical origin, and, for graduate students, undergraduate college.

Course VI continued to dominate in undergraduate enrollments, claiming 541 graduate students and 246 seniors.

The top sources of graduate students, other than MIT, was Harvard, followed by the US Naval Academy, Rensselaer Polytechnic Institute, and Cornell.

**Library schedule**

	Aero	Rotch Eng'g Dewey	Science & Humanities	Res. Book & Rm.	Lindgren & Music
Friday, Dec. 18	9-5	9-5	8-10:45	8-5	9-5
Saturday, Dec. 19	9-1	9-5	8-9	9-5	9-5
Sunday, Dec. 20	closed	closed	1-10:45	1-5	1-5
Monday, Dec. 21	9-5	9-5	8-10:45	9-5	9-5
Tuesday, Dec. 22	9-5	9-5	8-10:45	9-5	9-5
Wednesday, Dec. 23	9-5	9-5	8-10:45	9-5	9-5
Thursday, Dec. 24	9-12	9-12	8-12	9-12	9-12
Friday, Dec. 25	closed	closed	closed	closed	closed
Saturday, Dec. 26	9-1	9-5	8-5	9-5	9-5
Sunday, Dec. 27	closed	closed	1-5	1-5	1-5
Monday, Dec. 28	9-5	9-5	8-10:45	9-5	1-5
Tuesday, Dec. 29	9-5	9-5	8-10:45	9-5	9-5
Wednesday, Dec. 30	9-5	9-5	8-10:45	9-5	9-5
Thursday, Dec. 31	9-5	9-5	8-5	9-12	9-5
Friday, January 1	closed	closed	closed	closed	closed
Saturday, Jan. 2	9-1	9-5	8-5	9-5	9-5
Sunday, Jan. 3	closed	closed	1-10:45	1-5	1-5
Monday, Jan. 4			Resume Regular Hours		

We were wary of

**MARTESIA STRIATA!**



The object of our concern was a small, wedge-shaped mollusk found in southern waters where we planned to lay telephone cables.

Like others of its genus *Martesia* (of the family *Pholadidae*), it is a borer.

Usually it bores into limestone or some other substance to find a home.

Would it—could it—bore into our undersea cables?

At the time, we were testing the performances of proposed dielectric

materials for undersea cables at various simulated depths, temperatures and ocean pressures. We also tested for resistance to marine biological attack.

The testing showed that our cable covering wouldn't be attractive to pholads, and in nearly fifteen years of experience with undersea telephone cables we have peacefully shared the ocean bottom with them.

But we had to be sure we could. In the telephone business, reliability is

everything. We must do all we can to safeguard service from interruption. No threat is too small to ignore, not even that posed by a tiny mollusk.

Right now we've got other problems.

Out in the Dakotas, hungry squirrels and field mice are nibbling on our wires.

We have to run.

 **Bell System**  
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# Cagers fall in close game

**Brown wins mile**

# Runners crush Bowdoin

**By Don Bosack**

MIT's varsity track team opened its indoor season at Bowdoin, Saturday, with a 73-40 victory. The Techmen won 9 out of 13 events from a strong Bowdoin team and increased their hopes for a fine season.

Captain Ken Morash '65 and Dave Carrier '66 lead the team in the field events with a first place each. Morash won the pole vault with a height of 12' 6", while Car-

rier took the broad jump with a distance of 21' 2 1/2".

MIT lost the remaining field events, but they crushed Bowdoin on the track. The trackmen swept both the 1 mile and 2 mile runs. Sumner Brown '66 was first in the mile with a time of 4' 43.6", and Rob Wesson '66 took the 2 mile in 10' 21.4".

**MIT-73 Bowdoin -40**

1 Mile Run: 1. Brown (MIT) 2. Wesson (MIT) 3. Oliver (MIT) 4'43.6"

2 Mile Run: 1. Wesson (MIT) 2. Oliver (MIT) 3. Andrews (MIT) 10'21.4"

1000 Yd. Run: 1. Brown (MIT) 2. Karman (MIT) 3. Beaver (B) 2'19.9"

600 Yd. Run: 1. Schwoeri (MIT) 2. Allen (B) 3. Ryder (B) 1'16.2"

High Hurdles: (45 Yd.): 1. Tervalon (MIT) 2. Good (B) 3. Tarbell (B) 5.9"

Low Hurdles: 1. Tervalon (MIT) 2. Bird (B) 3. Good (B) 5.5"

Pole Vault: 1. Morash (MIT) 2. Ekdahl (B) 3. Smith (B) 12'6"

Shot Put: 1. Coggins (B) 2. Stocking (B) 3. Willscher (B) 41'10"

Broad Jump: 1. Carrier (MIT) 2. Ross (MIT) 3. Wheeler (MIT) 21'2 1/2"

High Jump: 1. Seager (B) 2. tie between Jones (MIT) and Van Waldburg (B) 5'10"

35 Lb. Wt.: Schulton (B) 2. DeWitte (MIT) 3. Osborne (MIT) 57 7/8"

**By W. Thomas Compton**  
The varsity cagers opened their sixth season under Coach Jack Barry last Saturday with a disappointing 73-68 loss to Wesleyan. Last year MIT won 61-55, but it was the third game of the season. Wesleyan is now 2-0 after a previous drubbing of Tufts.

**Score tied 11 times**  
Wesleyan scored the first basket with 1:50 gone and led most of the half, although the score was knotted 11 times and MIT forged ahead six times. Neither team could pull away, and it was only with 2:15 left in the half that the lead was over three points. Wesleyan sunk a free throw for a 33-29 advantage and traded baskets till the buzzer sounded. They went to the dressing room with a 37-33 lead, mostly behind Werle's fine work from the charity stripe, 10 for 13. This kept them in the game while they were scoreless from the field for over five and a half minutes.

**Wilson, Hardt in foul trouble**  
The sophomores were experiencing first game jitters and committed needless fouls. Both tall men, Alex Wilson '67 and Bob Hardt '67 were in foul trouble with 3 each early in the half. The rebounding was good, however, as Greg Jerrell '67 came in to replace Wilson and brought down 10, second to Hardt's 13.

At the start of the second half, Wesleyan jumped to an 11 point edge with only three and a half minutes gone. They traded baskets for another three minutes and Wilson picked up his fifth foul.

**Tech pulls within one**  
Tech suddenly caught fire and pulled within one point, outscoring Wesleyan 13 to 3 over a five minute period. Then Hardt drew his fifth foul and it was all over. With their two big men out, they

just couldn't get the shots, Wesleyan opened to a 15 point margin and both teams substituted freely.

Captain Bob Grady '65 was high point man for the Engineers with 27, two behind Werle's 29. Hardt was the only other Techman to hit in the double figures.

MIT outrebounded Wesleyan 49-44 but it could have been better. The forwards were out of position occasionally when the guards shot. Again they didn't adhere to the pattern.

Box Score		Wesleyan	
Wilson	1 2 3 3 6 5 5	1 3 2 2 1 1 4	4
Mazola	1 2 2 0 1 6 3 5	5 10 4 6 10 4 14	14
Hardt	2 2 0 1 10 2 2	9 24 11 15 17 2 29	29
Grady	12 24 3 6 4 1 3	6 13 0 1 0 2 12	12
Yin	1 3 4 6 1 1 3	0 9 1 2 2 3 4	4
Taftus	1 7 1 9 5 2 0	2 3 0 0 2 4 4	4
Flick	1 1 0 0 3 0 2	0 3 0 0 1 2 0	0
Kinsella	0 0 0 0 1 1 0	3 11 1 3 8 2 7	7
Jerrell	3 6 0 0 10 3 6	1 4 0 1 2 4 0	0
Team	24 67 20 37 49 23 68	0 0 0 2 0 0 0	0
		27 80 19 32 44 24 73	73

## Take 3 decisions

# Wrestlers lose to Harvard 17-9

**By Dave Chanoux**

The MIT grapplers were defeated last week by Harvard, 17-9. Harvard jumped off to an early lead by winning the first match by a pin and maintained the advantage to the finish.

In the 127-pound class, with Larry Silverman '67 wrestling against Harvard's Howard Henjyoji '67, Henjyoji pinned Silverman at the 5:11 mark of the second period for 5 points. MIT got three points back in the 130-pound class. Tim Connelly '65 wrestled for Tech against Mike King. Connelly was in commend most of the way for the three points.

Tom Hall '66, battled against Harvard's Tom Gilmore '65 in the 137-pound class. Gilmore managed a takedown in the first period and reversals in the second and third for an 11-2 advantage, building the Harvard lead to 8-3.

**Whiteman wins at 147**  
Marland Whiteman '66 went against Harvard's Phil Emmi '67 in the 147-pound class. Whiteman held the advantage, 3-2, giving three points to MIT.

Harvard's Ed Franquemont '67 dominated the 157-pound class winning over Bill Thilly '67 5-0. The score at this point was 11-6, Harvard.

Bob Wells '65 wrestled Harvard's Jeff Hall in the 167-pound class. Hall controlled the second period, with a takedown and a near fall to win three points, and a decision 6-4.

In the 177-pound class, Dave Schramm '67 outpointed Harvard's Captain Ben Brooks '65 5-4 for three MIT points making the score 14-9.

In the unlimited class Brook

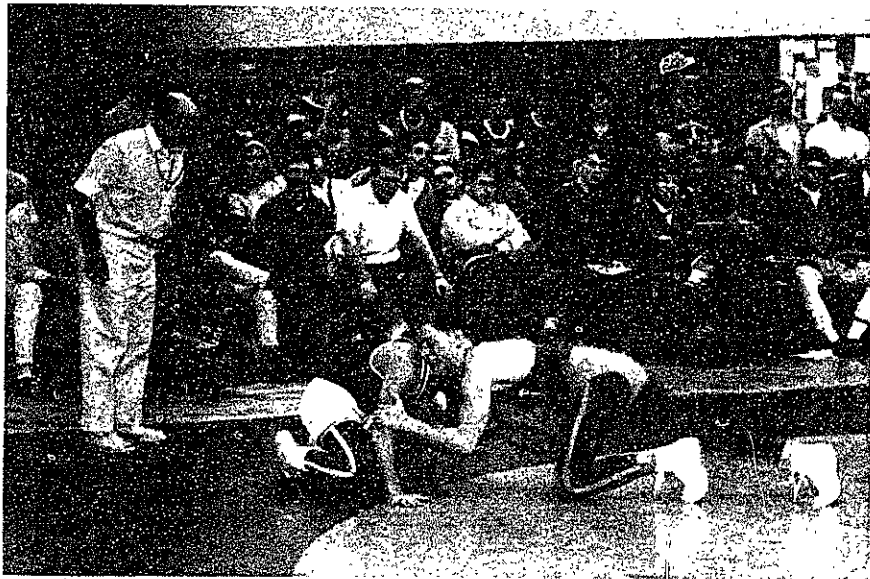


Photo by Bill Park

Landis '67 wrestled for Tech against Tack Chase '66. Landis was far underweight at 177; Chase weighed in at 218. The weight advantage was too much as Chase controlled the match 5-0, winning easily and sewing up the decision.

**Wrestlers lose to Harvard**  
The squad also toured to the Coast Guard Invitational held Friday and Saturday at Coast Guard. The meet drew some of the top wrestling schools in the East, including Navy, Syracuse, Maryland, and Springfield. No one on the team made it through the quarter-finals against the really stiff competition, but the experience should prove invaluable

when meeting the traditional New England rivals. This week the squad sees action in two matches. Tonight, they travel to Worcester Tech, and Saturday they meet Amherst on the home mats, hoping to pull above the .500 mark with two wins.

The MIT junior varsity lost to Boston College varsity 23-12 last Friday in a match which saw Dick Farrell '67 pin last year's third place winner in the New England.

Last spring's Aqua Capers '64, which many of you may remember attending, turned out to be a great financial success in support of the Olympic Fund. The MIT Swim Club netted \$1150 in the two shows held last April 24. Besides the direct contribution in the form of money, the associated publicity and the telecast of the event on WGBH-TV awakened all Boston to the appeal of the Olympic Fund and generated a great deal of interest. Congratulations to the Swim Club for a job well done.

# Aqua Capers '64 brings \$1150; Basketball scene has many extras

Turning back to this winter's action, the Tech sports fan may notice a few extra added attractions that go along with the basketball team. Not only do we have cheerleaders for the second straight year, but there is also a pep band again.

The band consists of some 25 members and, as evidenced by their performance last year, should add a great deal to the spirit at the games. The band was first organized last year by Tom Mueller '65, who directs the band this year along with John Rible '66. They will be playing at all home games this winter, and will also go to the games at Tufts and Brandeis.

Also once again a part of the basketball publicity team this winter is WTBS, the MIT radio station. They will be broadcasting all home games this winter at 88.1 FM.

## How They Did

- Basketball**  
Wesleyan 73, MIT (V) 68  
Wesleyan 62, MIT (F) 43  
MIT (JV) 84, Wentworth 45
- Fencing**  
MIT (V) 16, Brandeis 11  
MIT (F) 14, Brandeis 13
- Pistol**  
Army 1400, MIT (V) 1314
- Rifle**  
MIT (V) 1281, Wentworth 1198
- Squash**  
Penn. 9, MIT (V) 0  
MIT (V) 8, Dartmouth 1
- Swimming**  
Columbia 51, MIT (V) 44
- Track**  
MIT (V) 73, Bowdoin 40  
Bowdoin 66, MIT (F) 47
- Wrestling**  
MIT (F) 19, Harvard 15  
Harvard 19, MIT (V) 7  
Boston College (V) 23,  
MIT (JV) 12

**Cagers to play Iceland**  
Included on this winter's schedule is the name Iceland; the game is Saturday, January 16. No, this is not Iceland University, or a team from the north woods of Maine, but the national team of Iceland. The team is being brought here under the auspices of the United States Government on a good will tour basis, and Tech was one of the schools selected on their tour.

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## All-Sports Day

Nearly every sport has a home match Saturday, the second weekend of the winter season. This would be a good time to get out and see the winter squads in action, starting with a morning squash match and finishing off the day with an exciting hockey game in the evening.

Saturday, December 12

At Home—	
Squash (V) Toronto	10:00 am
Track (V&F) Bates	12:30 pm
Squash (V) Williams	2:00 pm
Swimming (F) St. John's	4:00 pm
Wrestling (F) Williams	2:00 pm
Wrestling (V) Williams	3:30 pm
Fencing (V) Newark	2:00 pm
Coll. of Eng.	2:00 pm
Hockey (V) Trinity	7:00 pm

## Falls to Columbia 51-44

# Swimming team loses season opener

**By Neal Gilman**

In an electrifying first meet of the year, culminating in a thrilling 400-yd. freestyle relay, the MIT swimming team lost to Columbia by a score of 51-44 last Saturday at the Alumni Pool. The team took an early commanding lead of 31-21 that slowly diminished to 44-44 before the final relay.

The mermen did well in the first half of the meet, winning five

out of the first six events. The meet began with an MIT victory in the 400 yd. medley relay by swimmers Frand Mechura '65, Capt. Cash Peacock '65, Bill Brody '65 and Dick Breinlinger '66 in a time of 4:03.7.

The lead was lengthened as Dick St. Peters '65 won his 200 yd. freestyle event in a time of 1:59.7, less than a second off his varsity record, while Eric Jensen '65 placed first in the 200 yd. individual medley, 2:21.9 and Brody won the 200 yd. butterfly, 2:31.5. Steve Snover '65 won his diving by a comfortable margin and Mile Crane '67 placed second in the freestyle.

At this point MIT led by 10 points, but this was not for long. Columbia scored a one, two victory in the 100 yd. freestyle and

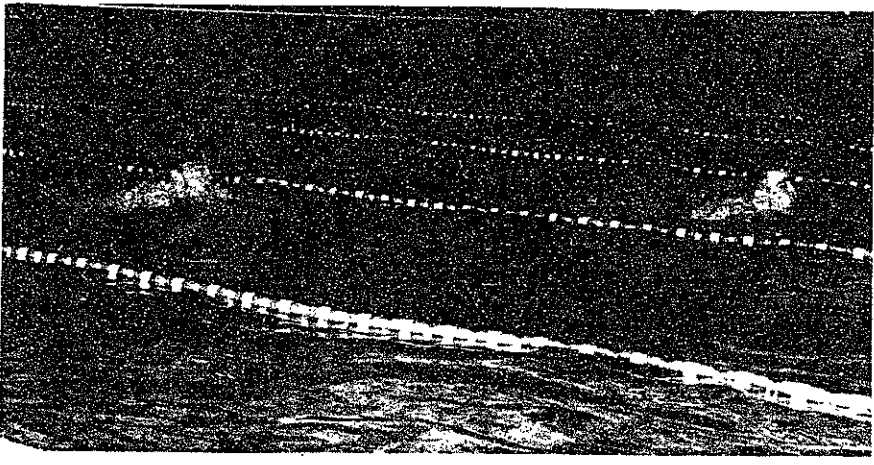


Photo by James Robertson

Mike Huke '65 (left) and Captain Cassius Peacock '65 churn away in the 200 yard breaststroke, against Columbia on the way to a 3rd and a 2nd. Columbia won the meet in the last race 51-44.

continued to win the next three events. Mechura, St. Peters, and Peacock had to settle for second place in the 200 yd. backstroke, 500 yd. freestyle, and 200 yd. breaststroke, respectively, while Jensen scored thirds in consecutive events behind Mechura and St. Peters. The score was 44 all with one relay remaining.

In this last see-saw race, Columbia was the first to take the lead. However, Crane '67, swimming the second leg, overtook the

leader and pulled one body length ahead. Columbia caught up in the third stretch. When Breinlinger hit the water, both swimmers were stroke-for-stroke. Breinlinger kept even with his opponent for three and three-quarter laps, but was touched at the wall. So went the race and the race and the meet; MIT lost by a touch.

Two home meets are scheduled this week. The mermen meet Tufts today and St. John's Saturday.

## Stratton honored

# New Academy created

Three noted engineers now at MIT were named as founding members of the newly created National Academy of Engineering.

Named were Julius A. Stratton, President, and Professors Antoine M. Gaudin and Thomas K. Sherwood.

All three have worked actively for the foundation of the Academy during the last few years. The Academy is intended to honor distinctive achievements in the fields of engineering in a manner similar to the programs of the National Academy of Science.

Although usually considered a physicist and administrator, President Stratton received an S. B. from MIT in 1923.

Prof. Sherwood, of Course X, received his doctorate at MIT in 1929. He has been a member of the faculty since 1930, and served as Dean of the School of Engineering from 1946 to 1952.

Dr. Gaudin is now the Course III Richards Professor of Metallurgy.

## Dean Johnson proposes new general education program be developed

"MIT clearly needs appropriate alternative academic paths for students who discover, for one good reason or another that they do not wish to major in either science or engineering. Course XV has long served as such an alternative, but it, like other courses in this category, is bound to be derivative to the mainstream."

"The time is perhaps coming when a third major program area at the undergraduate level should join science and engineering."

So write Howard W. Johnson, Dean of the Sloan School of Management, in the undergraduate program discussion section of the School's recently released annual 1963-4 report.

What is envisioned in the report is a "general education program."

The proposal grew out of work of the Course XV undergraduate committee, chaired by Prof. Thomas M. Hill.

## Stone named architect

# NASA contract awarded

The US Army Corps of Engineers and the National Aeronautics and Space Administration last week announced a tripartite master planning contract for the planned \$60 million NASA Electronics Research Center in Kendall Square.

The contract was awarded to the firm of architect Edward Durell Stone of New York City, and to planners Giffels and Rossetti, Inc., of Detroit and Charles A. Maguire and Associates of Boston.

At the same time NASA announced that the New England Division of the Army Corps of Engineers would be design and construction agents for the Center.

The architects and planners have 24 weeks to "execute site utilization studies, synthesis of functional operations, preliminary layouts, definition of architecture and materials of construction, conceptual drawings, cost estimates, and a model of the entire complex," according to the announcement.

Edward Durell Stone studied in the MIT School of Architecture from 1925 to 1927. His work includes the U.S. Embassy in New Delhi and the National Geographic Society building in Washington, D.C.

Construction of the 42-acre facility, which is to include 10 laboratories for electronics and instrumentation research, is planned for the period 1965-69.

The Maguire firm planned the pilot automated post office in Providence and the Deep Freeze 2 in Antarctica.

Despite the still-raging controversy over the Kendall Square construction site, the Army engineers have already begun test borings in the area.



## IFC reports \$25,000 donated to IRD Fund

Marshall Dalton '15, chairman of the Alumni Inter-fraternity Council, announced last week that over 475 contributors have donated about \$25,000 in recent months to the Independent Residence Development Fund.

The announcement came at the Inter-fraternity Conference's December meeting, held last Thursday at Valle's Steak House in Newton.

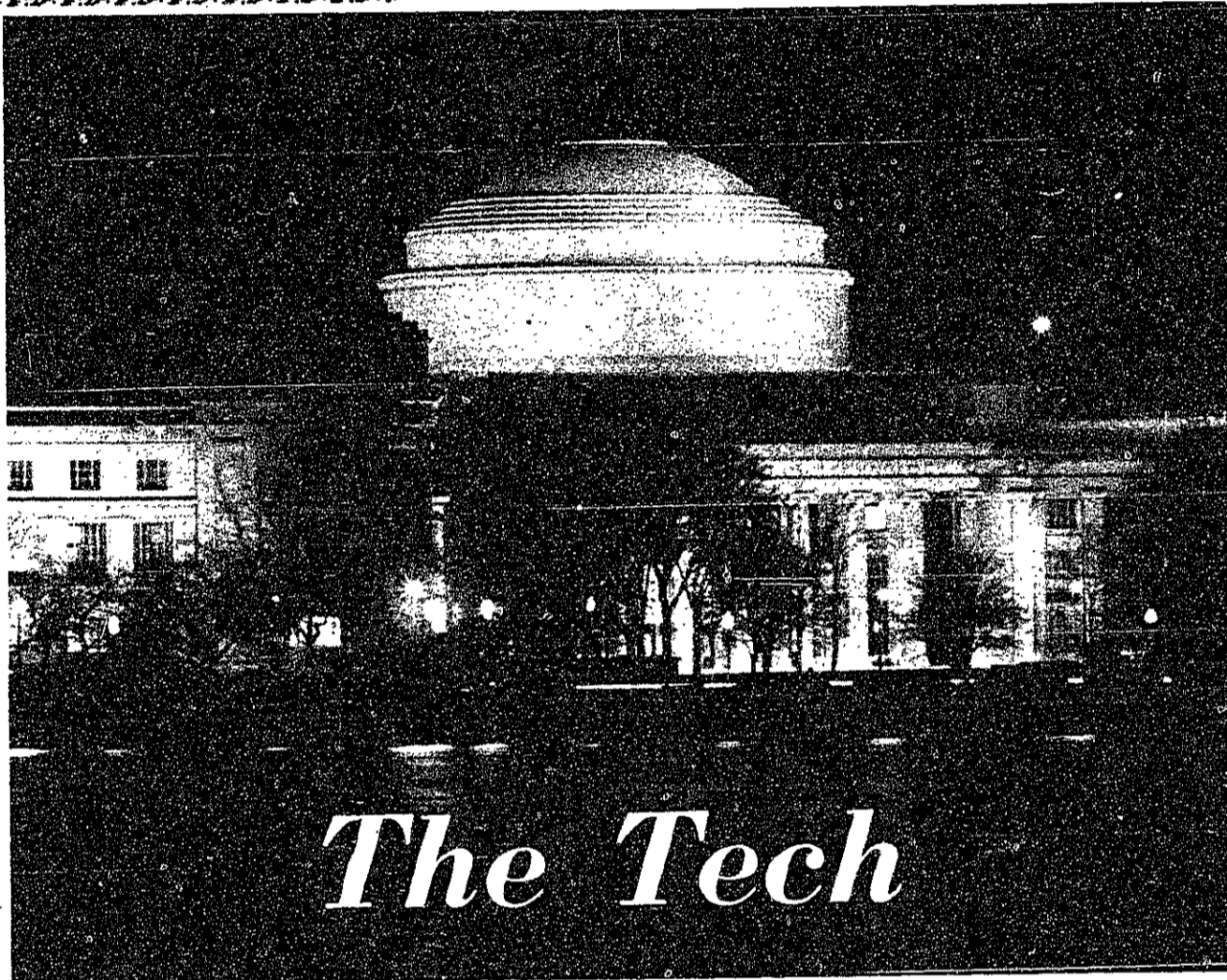
The IRD Fund was created early this spring to accept tax-deductible donations for use in loans to independent MIT living groups. Eventual announced goal of the fund was stated as \$2.5 million.

In other business, F. G. Fassett, Dean of Residence, spoke on the new Boston zoning code. A summary of the law prepared by MIT Planning Officer Robert Simha, was distributed to members.

Dave Anderson '66 of SPE was named IFC Rushing Chairman in an uncontested election.

Mike Kinkead '66 of ATO and Bob Large '66 of LXA reported on the recent National Inter-fraternity Congress in Cincinnati. A formal report will be circulated to fraternities next month.

Reports on the success of the IFC Blood Drive and the Inscmm reorganization plan were heard.



# The Tech

Vol. 84, No. 28

Cambridge, Massachusetts, Tuesday, December 15, 1964

Five Cents

## Activities Council action

# Two groups granted provisional status

Two new student activities received provisional recognition from Activities Council at a meeting held December 8.

Students for a Democratic Society were granted conditional activity status conditional upon the submission of a constitution which meets Activities Council and Inscmm requirements.

Course XXI Society was also granted provisional membership in the Association of Student Activities a group of all undergraduate activities.

All Course XXI students are automatically members of the Society, according to Donna Hayes '66 who represented the group at the Activities Council meeting. She stated that the Society plans to hold seminars for Course XXI majors at least once a year. Other activities planned include the possibility of an Arts Festival and the publication of a literary magazine. The literary magazine as planned would avoid conflict with Tangent.

In other council action, Daniel Murphy '65, WTBS representative to the council, was elected as Activities Council treasurer to fill a vacancy caused by the resignation of John Davis '66. Davis served as the TCA representative to the council.

It was reported at the meeting that all members of the Association of Student Activities will be sent minutes of future Activities Council meetings.

Other discussion included the role of activities in the dedication of the Student Center. A sub-com-

mittee report on Activities Council reorganization was deferred for later action.

The Council reorganization is part of the planned revisions of Student Government currently under discussion in Inscmm.

## Redecorated Cheney Room to reopen

By Sue Downs

The Association of Women Students will mark the reopening of the Margaret Cheney Room by hosting a Christmas open house for all students tomorrow in the room, 3-310 from 3:30 to 5:30 p.m.

Two years ago a debate raged over whether to abolish the Cheney Room because its functions might be replaced by the new Student Center building and McCormick Hall. It was decided that the room would remain and be redecorated. Now the decorating has been completed, except for the arrival of a rug held up by a strike in Puerto Rico, and all are welcomed to the Open House to see it.

Named and built in the memory of a coed of the class of 1882 who died shortly before she was to receive her degree, the Margaret Cheney Room provided a feminine retreat in the midst of the male environment at MIT. It serves now as the headquarters for the AWS and as a base for

commuting as well as undergraduate and graduate girls; it can be used by any woman student.

Contrary to its title, the Margaret Cheney Room is not a room but a whole apartment. It is well equipped with a kitchen, a living room, a study room, locker room and showers, and even a resting area where girls may take a short nap between classes. This modernly decorated suite will serve as a convenient resting and studying place for the girls in between classes.

## Townes gets prize in Nobel ceremonies

Dr. Charles H. Townes, Provost, accepted the 1964 Nobel Prize in physics during presentation ceremonies in Stockholm, Sweden, December 10.

Dr. Townes was a co-recipient of this year's physics prize with A. M. Prokhorov and N. G. Basov of the USSR.

## Finals schedule out

The Registrar's Office, now located in the Daggett Building at E19-335, announced last week that final examination schedules will be available this week in the Information Office, 7-111.

All students are advised to obtain a copy of the schedule for reference. Exams not listed, or any conflict in exams, such as two exams on the same morning, must be reported to the Registrar's Office by Wednesday, January 6, 1965.

The Daggett building is located at 50 Ames St. at the intersection of Ames and Main streets.

## Christmas convocation scheduled for tomorrow

Official Christmas activities for the student body begin tomorrow with the annual Christmas convocation at 11 a.m. in Kresge Auditorium; classes will be canceled from 11 am to 12 noon.

Dean George Harrison, Dean Emeritus of the School of Science, will be the principal convocation speaker. His announced topic will be "Science and the Christmas Spirit" and will contain a discussion of the meaning of Christmas as an expression of "the instinctive, age-old and profound appreciation of eternal verities," of which the religious embodiment is one important aspect.

In addition to the Christmas Convocation, the Association of Women Students will hold a Christmas open house tomorrow from 3:30 to 5:30 pm in the Cheney Room, 3-310.

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## Art sale in Hayden

# Art group selling prints

An art sale of popular and noted artists' prints running from last Monday to December 22, is now under way in the Hayden Gallery.

Sponsored by the MIT Art Committee and the faculty Museum Committee, under Miss Eugene Bullitt, the sale includes both black and white and color prints, for sale at prices ranging from \$2.50 to \$150.

Lithographs by Picasso, Miro, Calder, Poliakoff, Rico Lebrun, Harold Altman and Victor Vasarely are being offered. Also included are etchings by Leonard Baskin, Dufy, Hamaguchi, Jack Levine, Pierre Soulages, Peter Takal, and a small group of 17th century artists.

A group of drawings and colors by 19th century artists, drawings by Sir Edward Burne-Jones, and posters by Roy Lichtenstein will all be offered.

The Gallery will be open from 10 a.m. to 5 p.m. weekdays and purchases may be claimed at the end of each day. Although the Gallery will be open from 1-5 p.m. Saturday and Sunday, no sales will be made on weekends.

The exhibit is constantly changing as prints are sold and replaced by others in the collection. The sale, held for the first time last year, may become an annual event.

**Libraries change over**

**Congress system replacing Dewey**

by Allan Green

The old Dewey Decimal System for the classification of books, long the standard cataloging scheme for most of the country's libraries, is slowly being replaced at MIT by the Library of Congress (LC) classification, the system that is used in the National Library in Washington.

After a long internal study of the modified Dewey arrangement that the MIT libraries had developed, it was decided in 1963 to switch to the LC system. As a result all new books acquired since then have been filed separately according to LC order. Gradually, all of the library collections will be reshelfed in the same manner; but, for the interim period, MIT's collections will be split in their stacking order and catalog arrangement.

Since there is, of necessity, a temporary lowering in library efficiency and convenience during the transition, it should be obvious that there are advantages to the LC system that override this temporary inconvenience.

Although the Dewey Classification had the twin advantages of being fairly well-known to library users and of being arranged logically and anemically, it has flaws that become apparent as a collection grows and is used almost exclusively for academic purposes.

**Dewey system designed for community libraries**

Dewey was influenced by the large, community public libraries that were prevalent in his day. He arranged his classification schedule for the casual library user, not the academician.

This is best illustrated by the Dewey arrangement in the field of literature. Works are not arranged by author, but by the type of writing—that is, poetry, drama, prose, and humor are all shelved in different sections even if written by one man. The LC system arranges all literature chronologically by century and alphabetically by author within each time period. Under the name of each author are all his writings, regardless of type, his biography, and any criticism of his works. This is obviously a tremendous gain in efficiency over the Dewey system.

Another fault of the Dewey

schedule is the disproportionate allocation of space he gives to certain topics. He obviously did not consider science and engineering as important as MIT does.

Finally, it is important in a library with a growing collection that the classification system it uses be flexible. Dewey's arbitrary division by tens makes it difficult to insert new sections or to adjust notation as the need arises.

**Congress system arranges books by expert recommendation**

The LC system avoids the errors of the decimal classification. The subject approaches are not all the same. While the Dewey

system was made by one person, LC is a composite of the recommendations of experts in each field. Science and engineering books, for example, were arranged by and for scientists, not by a philologist for browsing housewives.

But, one of the most powerful features of LC is its large provision for the cross-relationship of knowledge. The interdisciplinary growth of study in all fields today requires libraries to provide easier access to all relevant material.

The LC system is constantly kept up to date by an index of classification schedules and subject headings. The arbitrary alphabetic arrangement of books, makes it a simple matter to include new fields and topics.

Further, since LC is the National classification system, it can be used more economically than any local schedule. The Library of Congress, for example, issues catalogue cards for all new books printed in the country; and these can be incorporated directly into the MIT catalogue.

**Underprivileged children hosted at weekend parties held by students**

MIT students played Santa Claus this weekend to some 310 underprivileged children from Cambridge and Somerville.

Thirteen MIT fraternity houses on both the Boston and Cambridge sides of the river gave Christmas parties Saturday and Sunday afternoons for youngsters aged 5 to 12 years old. Two other parties for about 75 children were held in the Graduate House and the Walker Building.

Amid holiday decorations, including giant Christmas trees, the collegians entertained their primary school guests with refreshments, movies, games and carol singing. At many of the parties a student dressed as Santa Claus distributed presents among the children. Each of the children received a gift.

The fraternities, many of which have played host to the community's children every Christmas for several years, include Alpha Epsilon Pi, Phi Gamma Delta, Phi Kappa Sigma, Chi Phi, Alpha Tau Omega, Delta Kappa Epsilon, Sigma Chi, Beta Theta Pi, Lambda Chi Alpha, Delta Upsilon, The

ta Xi, Phi Mu Delta and Student House.

Phi Mu Delta had as its guests 20 children from two Cambridge families who, according to the director of a local settlement house, would otherwise not be celebrating Christmas at all.

Kim Collins, a sophomore from Wichita, Kansas, coordinated arrangements for the young children and entertained 20 at the Walker Building party.

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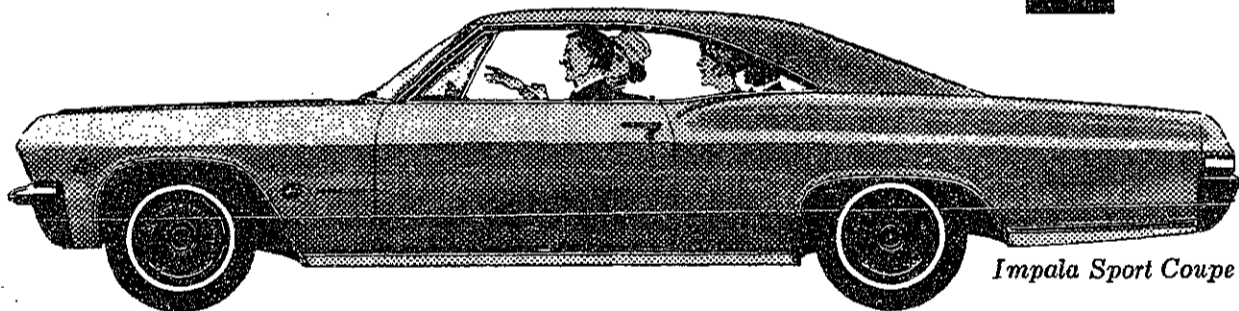
Dec. 21-25	Feb. 1-5
Jan. 4-8	Feb. 8-12
Jan. 11-15	Feb. 15-19
Jan. 18-22	Mar. 1-5
Jan. 25-29	Mar. 8-12

For folders, information or reservations, write lodge of your choice or Box 206c Stowe Area Association, Inc., Stowe, Vermont.

\*available only to guests of Stowe Area Association members

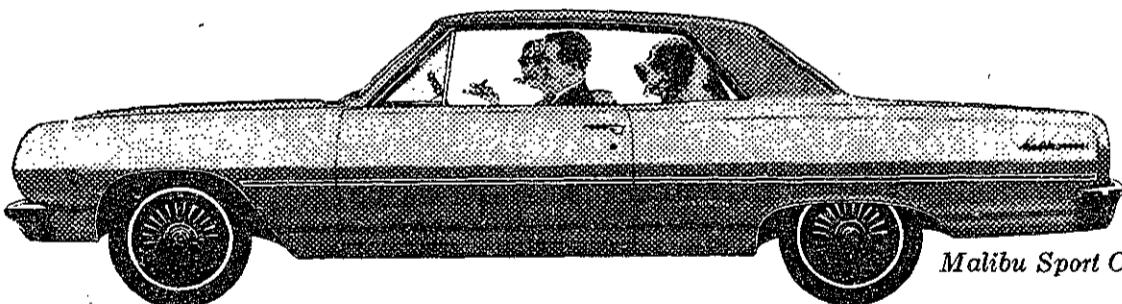
**More on the way every day! Thanks for waiting!**

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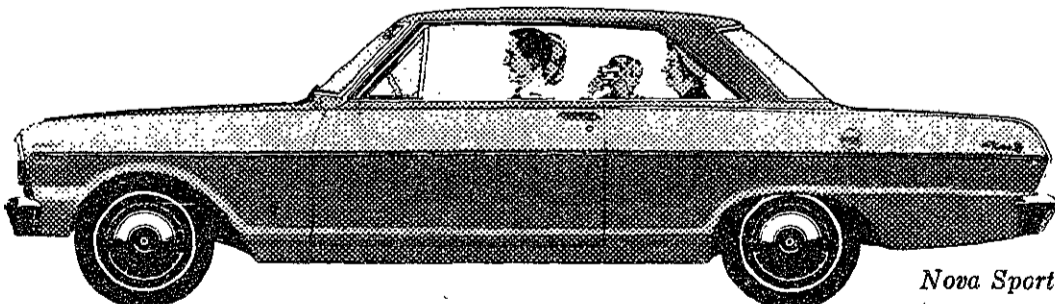
Impala Sport Coupe

**'65 Chevrolet** It's longer, wider, lower. It's swankier, more spacious. You could mistake it for an expensive car—if it weren't for the price.



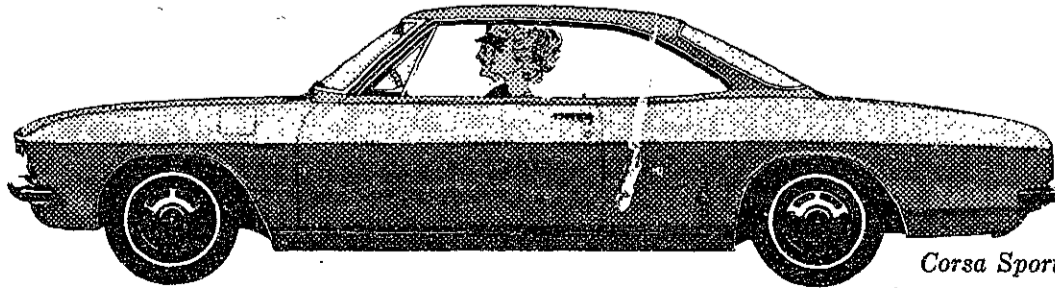
Malibu Sport Coupe

**'65 Chevelle** Fresh-minted styling. V8's available with up to 350 hp. A softer, quieter ride. And it's as easy-handling as ever.



Nova Sport Coupe

**'65 Chevy II** Clean new lines. Fresh new interiors. A quieter 6 and—V8's available with up to 300 hp. Thrift was never so lively.



Corvair Sport Coupe

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### Sailing group to give seamanship seminars

A free series of sailing discussions, 'Seminars on Seamanship,' will begin Wednesday, January 6. Presented by the MIT Nautical Association, the winter series is designed to encourage Association members to become full coxswains.

Topics to be considered in the series include: charts and piloting, heavy weather seamanship, anchoring, sailmaking.

### New program instituted for juniors, to take year of courses in France

The first program for American engineering and mathematics students to study abroad as juniors will begin next September in Nantes, France, under the Institute of European Studies. The Institute will conduct the foreign-study program in cooperation with the Ecole Nationale Supérieure de Mécanique, a French national

school of higher education in mechanical engineering, and the University of Nantes.

The program will begin with an intensive orientation period and will continue with regular French-taught courses in the students' major fields with additional courses in French language and literature, history, and art history. Local Nantes business organizations have guaranteed summer placement of engineering students in French industries.

Prerequisites include junior standing and a year of college French. All application material, which may be obtained from the Institute of European Studies, 35 E. Wacker Drive, Chicago, will be due in May.

### Sheehan receives patent

The basic patent on the chemical synthesis of penicillin has been issued to Dr. John C. Sheehan, professor of chemistry, by the Commissioner of Patents in Washington.

Chemical synthesis of penicillin was accomplished by Dr. Sheehan and his research associates in 1957 after nine years of effort. During World War II there was a massive program involving thousands of chemists in the United States and Great Britain to synthesize penicillin, but the attempt failed.

Dr. Sheehan was awarded the John Scott Medal for 1964 by the city of Philadelphia for his work on penicillin.

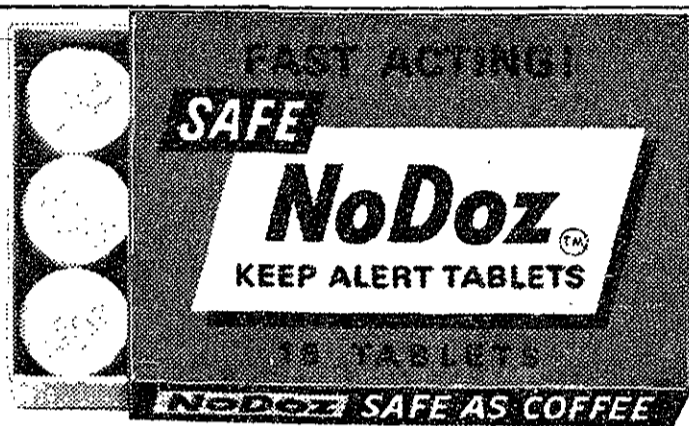
### Christmas Vacation Hours Dining Service schedule

**Morss Hall:**  
8 a.m.-2 p.m. weekdays, Dec. 21-24, 28-31

**Pritchett Lounge:**  
11 a.m.-4 p.m. December 17, 18  
4 p.m.-7 p.m. weekdays, Dec. 21-24, 28-31  
9 a.m.-7 p.m. weekends, Dec. 19, 20, 26, 27, and Jan. 3  
9 a.m.-12 p.m., Jan. 3

**Graduate House:**  
Open Saturday, Dec. 19 and Sunday, Jan. 3 only. All facilities will be closed Christmas day and New Year's Day. All other dining facilities will be closed throughout the vacation.

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makes you feel drowsy while studying, working or driving, do as millions do... perk up with safe, effective NoDoz Keep Alert Tablets. Another fine product of Grovo Laboratories.

### Registrar releases registration figures

A total of 3612 undergraduates and 3313 regular graduate students were schooled by 2,642 faculty, faculty emeriti, and teaching staff last school year, according to the 1963-64 Registrar's Office annual report.

The report, recently released, lists statistical breakdowns of course registration, degrees awarded, coed course registration, geographical origin, and, for graduate students, undergraduate college.

Course VI continued to dominate in undergraduate enrollments, claiming 541 graduate students and 246 seniors.

The top sources of graduate students, other than MIT, was Harvard, followed by the US Naval Academy, Rensselaer Polytechnic Institute, and Cornell.

### Library schedule

	Aero	Rotch Eng'g Dewey	Science & Humanities	Res. Book Rm.	Lindgren & Music
Friday, Dec. 18	9-5	9-5	8-10:45	8-5	9-5
Saturday, Dec. 19	9-1	9-5	8-9	9-5	9-5
Sunday, Dec. 20	closed	closed	1-10:45	1-5	1-5
Monday, Dec. 21	9-5	9-5	8-10:45	9-5	9-5
Tuesday, Dec. 22	9-5	9-5	8-10:45	9-5	9-5
Wednesday, Dec. 23	9-5	9-5	8-10:45	9-5	9-5
Thursday, Dec. 24	9-12	9-12	8-12	9-12	9-12
Friday, Dec. 25	closed	closed	closed	closed	closed
Saturday, Dec. 26	9-1	9-5	8-5	9-5	9-5
Sunday, Dec. 27	closed	closed	1-5	1-5	1-5
Monday, Dec. 28	9-5	9-5	8-10:45	9-5	1-5
Tuesday, Dec. 29	9-5	9-5	8-10:45	9-5	9-5
Wednesday, Dec. 30	9-5	9-5	8-10:45	9-5	9-5
Thursday, Dec. 31	9-5	9-5	8-5	9-12	9-5
Friday, January 1	closed	closed	closed	closed	closed
Saturday, Jan. 2	9-1	9-5	8-5	9-5	9-5
Sunday, Jan. 3	closed	closed	1-10:45	1-5	1-5
Monday, Jan. 4			Resume Regular Hours		

We were wary of

# MARTESIA STRIATA!



The object of our concern was a small, wedge-shaped mollusk found in southern waters where we planned to lay telephone cables.

Like others of its genus *Martesia* (of the family *Pholadidae*), it is a borer.

Usually it bores into limestone or some other substance to find a home.

Would it—could it—bore into our undersea cables?

At the time, we were testing the performances of proposed dielectric

materials for undersea cables at various simulated depths, temperatures and ocean pressures. We also tested for resistance to marine biological attack.

The testing showed that our cable covering wouldn't be attractive to pholads, and in nearly fifteen years of experience with undersea telephone cables we have peacefully shared the ocean bottom with them.

But we had to be sure we could. In the telephone business, reliability is

everything. We must do all we can to safeguard service from interruption. No threat is too small to ignore, not even that posed by a tiny mollusk.

Right now we've got other problems.

Out in the Dakotas, hungry squirrels and field mice are nibbling on our wires.

We have to run.



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# Hope for a disillusioned age

The spirit of Christmas comes under much discussion these days; there are some who feel it proper to point out all the commercialism, hypocrisy, and hedonism which are undeniably a part of the modern holiday. Unfortunately, those who find Christmas a time—or an excuse—to let fly literary barbs at their age are in no wise helping the situation.

The predominant virtue of Christmas is hope—hope in a divine providence, or in the goodness of human nature, or in the opportunity for betterment and happiness of the individual; a hope that transcends religious doctrine or political affiliation. A day dedicated to hope cannot fail to be justified.

The faults of our fellow man seldom go unnoticed; in this season it behooves us to recognize their virtues. At MIT, it is sometimes difficult to put aside the very real burden of academic pressure and look around optimistically. Christmas should therefore be especially meaningful to the students; it offers them a time not only for relaxation, but also for re-dedication and re-evaluation of their po-

sition at an outstanding scientific institution.

The Administration recognizes the value of such mental or spiritual uplift; this year, the Christmas Convocation will be highlighted by Dean Emeritus Harrison speaking on 'Science and the Christmas Spirit.' The convocation is not presented for those who believe in a specific dogma, but for those who optimistically feel that there is something to be gained by meeting with their fellows, and that the world isn't such a bad place to live in, after all.

Attending the convocation, or buying gifts, or sending cards, all mean something to many people. It may be easy to find fault with their motives. But the spirit of Christmas leads one not to criticize, but to join in an affirmation of hope that there may indeed be peace on earth for men of good will.

## Discrimination?

We are sorry if we implied in our editorial last week that the Department of Humanities was entirely responsible for the management of the New York City Ballet last week. We are aware of Professor Douglas' considerable efforts to book the event. His letter on this page indicates where some of the problems lay.

However, we feel it our duty to stick to our defense of the students' priority at educational productions. We do not feel it is unfair or discriminatory that those who are paying for their education should receive the first opportunity to further it. We hope that the Administration agrees with this policy, and that the small number of students at the ballet reflected more an underestimation of appeal than a downgrading of student status.

We are also disappointed at the poor estimation of The Tech photography equipment. Our photographers require no flash, and their shutters could not have been distinguished from the others heard during the performance.

Certainly in the future The Tech will do all it can to encourage such high-quality productions—for the students.

## Boston Council

We attended the meeting of the Boston Intercollegiate Council held a week ago Sunday, and were quite surprised to find how some of the delegates viewed the organization. We (and MIT student government) are unable to believe that the Council will have any real influence other than as a forum for comparison and discussion.

A few of the member schools have hopes of establishing the Council as a petition-signing body; this is doomed to failure. Over-zealous action could lead to the failure of the Council due to lack of support; hopefully the MIT men can provide some of the leadership at subsequent meetings to keep the Council to its task and prevent it from becoming a waste of time.

## Kibitzer

By Mark Bolotin

**NORTH**  
 ♠ J 10 7 3  
 ♥ 7 6 5 4 3  
 ♦ K 8 7 3  
 ♣ none

**WEST**  
 ♠ 9 6 2  
 ♥ A Q 9 8 2  
 ♦ J 5 2  
 ♣ K Q

**EAST**  
 ♠ Q 8 5 4  
 ♥ K 10  
 ♦ Q 10 6  
 ♣ J 9 8 3

**SOUTH**  
 ♠ A K  
 ♥ J  
 ♦ A 9 4  
 ♣ A 10 7 6 5 4 2

Bidding:  
 South West North East  
 1♣ pass 1♥ pass  
 2♣ pass 2♦ pass  
 3♣ pass pass pass  
 Opening lead: 2 of diamonds

Today's hand can be used to illustrate a variety of principles, but, in keeping with the holiday season, it might be best to show how declarer received a Christmas present by remembering to allow the opponents an opportunity to make a mistake.

North should undoubtedly have passed South's bid of two clubs to prevent an obvious misfit from getting too high. Nevertheless, three clubs was not an unreasonable contract; it can be made if the clubs break three-three, but should be set otherwise.

### Queen "finessed"

Declarer wanted to keep the diamond king for an entry to the board, so he let the opening lead ride around to his ace. Trying to find a play better than the club break, which should occur just more than one-third of the time, South led a low club which was taken by West's queen. West, who was a very cooperative opponent, led a low spade.

Declarer realized that with only one entry to the board he could not take a ruffing finesse through East. Instead, he gave East a chance to blunder and played the

jack to "finesse" the queen. Being a very obliging opponent, East covered with the queen which was taken by the king to set up dummy's ten. Declarer next took the ace of trumps, the king of spades, the king of diamonds, and the ten of spades on which he sluffed a heart to hold his losses to three trumps and one diamond.

### Alternate play

If West chooses not to open with a diamond lead, but tries to force declarer's trump holding by repeated heart leads, South can still make his contract. He ruffs the second heart, then starts on the trump suit. West wins South's low trump with the queen and leads a third round of hearts. East can gain nothing by ruffing, so he sluffs either a spade or a diamond without effecting the final outcome.

Declarer trumps and cashes the ace of trumps, which drops the king. East undoubtedly has the nine of trumps, or else West would have won the first trump lead with it, and he probably has the jack. However, South can hold his remaining trump losses to one trick by an end play. He cashes his spades and diamond and ends on the board in order to ruff either a heart or a spade. The ruff is a crucial play, because he must reduce his trump holding to the same length as East's.

Finally, he exits with a diamond to complete his end play. As long as East has the nine of spades (which he must have by West's play on the first trump trick), South must take one of the last two tricks with his ten-seven behind either the nine of the Jack-nine.

Without all three helpful heart leads, South cannot ruff often enough to shorten his trump holding, so that he has no end play to save a trump trick.

## Letters to The Tech

### Ballet tickets

To the Editor:

There were two prime problems in arranging the Abramowitz Memorial Lecture this year. One was to find a date, when Kresge was open, which would fit the rehearsal and performance schedule of the New York City Ballet at the Lincoln Center. The other was to find some way of distributing tickets equitably. One effort succeeded. The other did not.

The Department of Humanities specifically asked at the outset that faculty and students be given first access to tickets. This stipulation is a matter of record. But in discussing the question with the Administration, we were told that it would be unfair to discriminate against all other parts of the Institute. The total population of MIT — with the national laboratories — is around 16,000. Kresge holds a few more than 1200. Demand exhausted the supply of tickets in three hours except for a small block of seats reserved for the sponsor, his guests and members of a few dance groups in the Boston area.

The prohibition of cameras was made at the company's request. Flash equipment can endanger timing and shutter noises can be almost as distracting to the performers.

Neither accusation nor apology can repair the disappointment of

those who did not see the performance. We hope to bring the New York City Ballet back. The Tech could help the cause by urging more performances of this kind.

Richard M. Douglas  
 Head of the Department  
 of Humanities

### Crew results

To the Editor:

I would like to correct the article concerning the crew races in The Tech of November 24. The article is inaccurate throughout.

The headline states "Sophs Win Richards Cup." In actuality, the cup was won by the heavyweight seniors, with the juniors 1 1/4 lengths behind, and the sophomores dead last. In the lightweight interclass contest, the sophomores were victorious, but this was not a cup race.

Later in the article it is stated: "... in the following coxed fours race, another boatload of lightweight sophomores barely missed upsetting ... (a) boatload of senior lights; the race was won by the heavyweight four." The article fails to even mention the presence of the four containing oarsmen who had rowed at Laconia, N. H., last summer in preparation for the Olympic trials. This four finished second, five lengths behind the heavyweight four, and still fully ten lengths ahead of the two battling lightweight fours.

Yet another significant omission was made: the annual houseboat race was won by Burton House, followed by NRSA and the Fijis out of a field of twelve shells.

In view of this article and another error-filled crew article earlier this fall, I can only hope that The Tech will — in the future — remember its responsibility to give accurate and complete coverage to the MIT community.

David L. Waltz, '65  
 Pres. Tech Boat Club



Vol. LXXXIV No. 28 Dec. 15, 1964

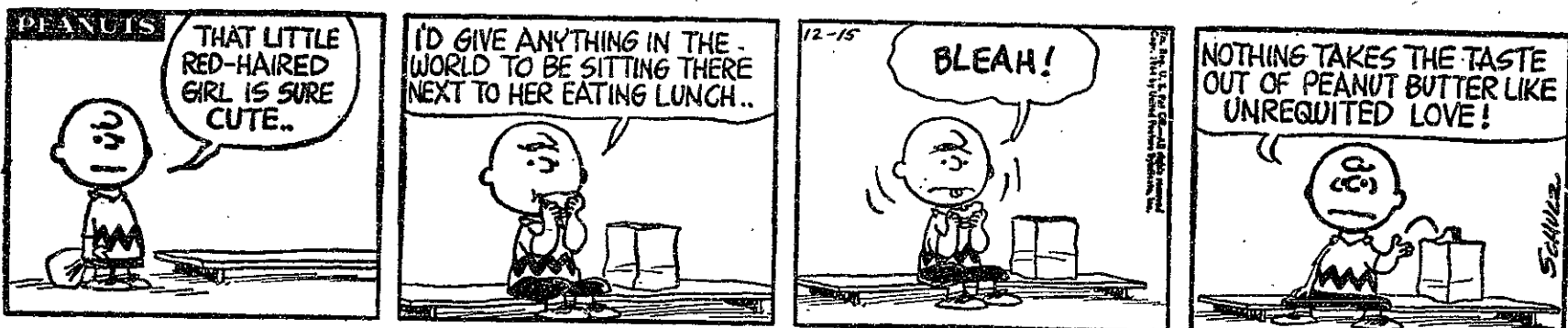
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Unsigned editorials in The Tech are the opinion of the Tech's Board of Directors, not that of MIT. The Tech welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed, but names will be withheld upon request.



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**Dining staff lack noted**

**Student employment problem seen**

By Bob Horvitz  
"Lack of student employment in the MIT dining areas has developed into a definite problem," declared Mr. Laurence H. Bishoff, Assistant to the Vice-President on Operations and Personnel, "The present wage level, with a base rate of \$1.35, seems to just

not be attracting enough students to work there." There are a number of important factors which have caused this decline in the number of students desiring work in the dining facilities, according to Mr. Bishoff. First, the wage scale of the libraries is just about equal, and quite a few students seem to prefer to work there.

Secondly, laboratory jobs seem to be increasingly more attractive. "In the past few years, there has been an obvious change in student attitude toward laboratory work," Mr. Bishoff revealed. "As laboratory courses at school are continually improved, students get a better exposure to and become more and more interested in laboratory work." Also, the wage rates of those working in the laboratories is in general higher than of those in the dining areas.

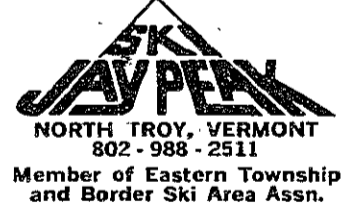
Another factor in this decrease in student employment is the fact that work in the dining areas is no longer a main source of student support. Today there are more funds available from more numerous areas. Very few students look towards the dining services as a main source of aid.

"The dining system used to be tied to the cost of commons meals," explained Mr. Bishoff. "In other words, students earned their meals. This viewpoint has changed significantly, and fewer and fewer students do so today."

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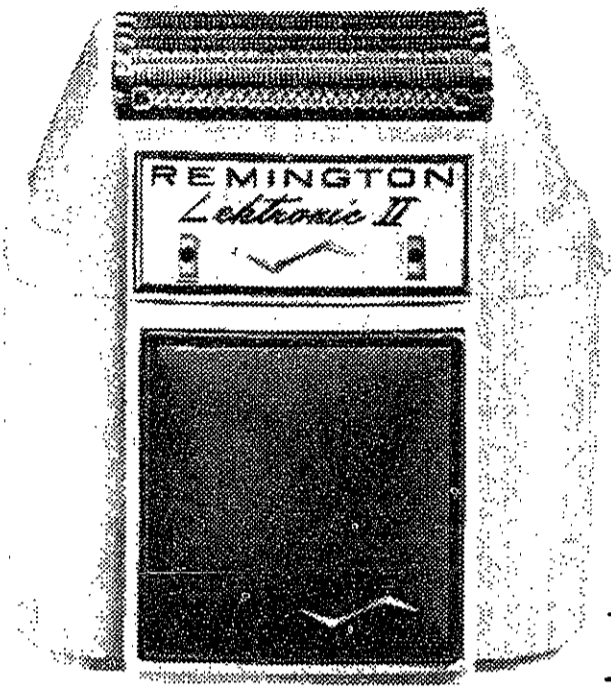


"The dining areas are just not a substantial source of student jobs," continued Mr. Bishoff. "This is evidenced in the fact that while we are faced with a grave shortage, other jobs have waiting lists of desirous applicants. Of the students who are still working here, more and more are desiring shorter work shifts. Something must be done to solve this problem."

One good possibility, according to Mr. Bishoff, is to increase the wage scale. Such an increase could either be effected as a straight raise to everyone or as a percentage boost of about 6%-7%. "At any rate," declared Mr. Bishoff, "it would not be an excessive raise."

If a pay boost fails to attract more MIT students to the dining areas, other sources of employment will have to be explored. "Because employment here is no longer a major source of student aid, we don't feel we owe our students work," Mr. Bishoff explained. Thus, students from other schools could be hired at rates comparable to what ours are now being paid. However, in this case, problems of transportation and of class-scheduling around working hours develop.

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**NOTICE**

In recognition of the lateness of the Christmas mails and the vacation period, as a service to our members, December 1st bills, usually due by the end of the month, will be eligible for Patronage Refund if paid on or before January 10th, 1965.

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movies . . .

# Ann Margaret shows acting talents

By Thomas Jensen

'Kitten With a Whip,' now at the Keith Memorial Theatre, exhibits a remarkable job of integration of acting and photography with the story.

All of the leading actors demonstrated unusual feeling for their parts. John Forsythe plays a man deeply involved in a situation not of his own making which, exposed, could cost him the nomination for state senator which he seeks. Alone in the house, his wife away to reconsider their marriage, Forsythe discovers a fugitive from a girl's reformatory in his daughter's bedroom. His efforts to help this young girl in trouble are rewarded only with threats of ever more serious consequences. Like the veteran actor he is, he handles the part with ability far too often lacking in American films.

Peter Brown and Roger Anderson are Ron and Buck, the two

**KITTEN WITH A WHIP:** Written and Directed by Douglas Heyes. Produced by Harry Keller; starring Ann Margaret as 'Jody Dru,' John Forsythe as David Stratton, Peter Brown as Ron, Roger Anderson as Buck, Diane Sayer as Midge; at the Keith Memorial Theatre.

young troublemakers invited to share the fun of baiting Forsythe. Ron is the punk with a college education and his own ideas of existence, while Buck is all temper and brawn, with no brains. Both actors are extremely capable and handle their parts superbly. There is no stiffness, they fit their parts with a surety and ease typical of all the acting in the movie. Midge is the young hairbrained girl brought along for her wheels. Diane Sayer, as Midge, also seems entirely at home with her part.

Above this fine cast, Ann Margaret stands out with her magnificent performance as Jody Dru, the 'Kitten with a Whip.' Ann Margaret plays the part so well that the audience is left with the impression of a manic depressive girl or a true to life succubus with her victim, and is never able to decide which. Jody changes her moods completely and without warning; Ann Margaret handles each phase with a convincing reality that makes the character come alive. As a demonic figure later in the picture, she is equally successful, her beauty detracting nothing from the image. Ann Margaret has here shown that she can handle rolls running the gamut from the

teenage rock and roll fan in 'Bye-Bye Birdie' to a female looking for kicks at any cost.

Superb acting would be less effective without the equally capable directing of Douglas Heyes. The story plot follows essentially European lines, but is done in a fine example of American style. This is no imitation of European directors, but an independent effort, marked by a continuity and clarity not found in European films.

Since the screen play was also written by Heyes, he is able to mold the acting and photography to fit the story. The photographic attitude is extremely important to the communication of ideas. Always, the audience feels a direct concern with the action, which heightens the identification with the characters that Heyes desires. The photography of the fast action scenes is especially good.

The moral of the story reflects a certain change in American attitudes; it seems now that the good samaritan wins if he's lucky. This may be only a minor variation on an old theme, but with good directing of fine acting the result is a very good, very entertaining film in the too long ignored American style.

# Choral Society presents Bach's Spiritual Drama in six acts



Photo by Scott Mermel  
The MIT Choral Society, accompanied by the Cambridge Festival Orchestra and conducted by Klaus Liepmann, presented Bach's 'Christmas Oratorio' last Saturday. Shown here is Eunice Alberts, alto soloist. Barbara Wallace, soprano, Blake Stern as the tenor Evangelist who narrates the story, and Paul Matthen, bass, were also featured. The performance was done in German, a feature that enabled non-German speaking listeners to ignore the lyrics and enjoy Bach's magnificent music.

# BSO begins its fifth organ series

The fifth season of Symphony Hall organ concerts will be presented by the Boston Symphony Orchestra beginning January 10. The series will consist of five concerts at 6:00 pm on January 10 and 24, February 14 and 28, and March 28.

E. Power Biggs will open the concerts on January 10. Allan Birney, winner of the 1964 Boston Chapter of the American Guild of Organists Competition and now a graduate student at Boston University, will play at the next concert.

Following performances will be by George Faxon, organist and choirmaster at Trinity Church; Donald Willing, organist and choir director of the First Congregational Church of Wellesley; and John Ferris, organist and choirmaster at Harvard University.

Season subscriptions will be sold at \$6.00 per subscription at the Symphony Hall boxoffice through January 10. After that date, tickets to individual concerts will be \$1.50.

## BSO Concert

Thursday, Dec. 17, 7:30; Open Rehearsal.

Friday, Dec. 18, 2:00; Saturday, Dec. 19, 8:30; Symphony Hall, Mr. Leinsdorf conducting: Schumann, Symphony No. 3, in E-flat major, "Rhenish"; Op. 97; Fine, Toccata Concertante; Brahms, Concerto in A minor for Violin and Violoncello, Op. 102; Joseph Silverstein, Violin, Jules Eskin, Cello.

Sunday, Dec. 20, 3:00, Symphony Hall, Richard Burgin conducting: Schubert, Symphony No. 4, in C minor, "Tragic"; Carter, Variations; Moussorgsky, "Pictures at an Exhibition".

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## Movie Schedule

Astor — 'Becket', no times available.

Beacon Hill — 'Topkapi', 1:15, 3:30, 5:25, 7:30, 9:30.

BOSTON CINERAMA — 'Mediterranean Holidays', evenings 8:00, matinees Wed. 2:00, Sat. and Sun. 2:00 and 5:00.

BRATTLE — Today: 'My Name Is Ivan' and 'A Tribute to Dylan Thomas.' Wed. through Sat.: Peter Lorre in Fritz Lang's 'M,' plus 'The Most.' Starting Sunday: 'The Doll.' Shows daily 5:30, 7:30, 9:30, matinees Sat. and Sun. 3:30.

CAPRI — 'Farty Girl' and 'The Candidate,' 2:00, 3:50, 5:45, 7:40, 9:35. Starting Dec. 25 'John Goldfarb. Please Come Home', no times available.

ESQUIRE — 'That man from Rio' and 'Shot in the Dark', no times available.

EXETER — 'The Finest Hours', 2:00, 3:50, 5:45, 7:35, 9:30.

GARY — 'Mary Poppins', 9:00, 11:30, 2:00, 4:30, 7:30, 9:30.

KEITH MEMORIAL — 'Kitten with a

Whip', no times available. Starting Dec. 25 'Father Goose', no times available.

HARVARD SQUARE — Today: 'The Lovers', 3:10, 6:35, 9:55; 'An Affair of the Skin', 1:30, 4:45, 8:10. Wed. through Sat.: 'One Potato, Two Potatoes', 3:10, 6:25, 9:45; 'I Know Where I'm Going', 1:30, 4:50, 8:10. Coming: 'A Hard Day's Night', 'Fantasia', 'Topkapi'.

LOEW'S ORPHEUM — 'Goodbye Charlie', 9:50, 12:15, 2:35, 4:55, 7:16, 9:30, Sun. 1:00, 3:05, 5:20, 7:30, 9:45.

MUSIC HALL — 'A Hard Day's Night', no times available. Starting Dec. 25 'Goldfinger', no times available.

PARAMOUNT — 'Because You're Mine', no times available.

PARQ SQUARE CINEMA — 'Western Light', no times available. Coming 'Sex and the Single Girl'.

SAXON — 'My Fair Lady', evenings 8:30, matinees Wed. Sat. and Sun. 2:00.

WEST END — 'Lorna', 1:05, 4:05, 7:05, 10:00; 'Whats Up Front', 11:35, 2:35, 5:35, 9:35.

## Theatre Schedule

CHARLES PLAYHOUSE 'The Rivals' Tue-Fri. 8:30, Sat. 6:30, 9:00, Sun. 3:00, 7:30. Ends Dec. 20. Starting Dec. 23 'She Loves Me', same times.

COLONIAL — Starting Dec. 26. 'Everybody Out, the Castle is Sinking', evenings 8:30, matinees Wed. 2:15, Sat. 2:30.

HOTEL BOSTONIAN PLAYHOUSE — 'Him', Tues-Fri. 8:30, Sat. 6:00, 9:45, Sun. 5:00, 8:30.

SHUBERT — 'The Merry Widow', 8:30, evenings, matinees Wed. and Sat. 2:30. Starting Dec. 28 'Baker Street', same times.

WILBUR — 'Peter Pan', evenings 8:30, matinees Wed. 2:15, Sat. 3:30.

HARVARD SQ UN 4-4580

Today: 'The Lovers', 3:10, 6:35, 9:55; 'An Affair of the Skin', 1:30, 4:45, 8:10. Wed. thru Sat.: 'One Potato, Two Potatoes', 3:10, 6:25, 9:45; 'I Know Where I'm Going', 1:30, 4:50, 8:10. Coming: 'A Hard Day's Night', 'Fantasia', 'Topkapi'.

BRATTLE SQ TR 6-4226

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# drama at mit . . .

## 'Galileo' comes to Dramashop

by Jeff Stokes

Dramashop is to be congratulated on its latest effort. The company, which draws most of its talent on campus, carried out the opening night of 'Galileo' with courage and feeling; and if the actors strained reality at times it was partially due to the clumsy structure of the play. There are probably few plays more appropriate to the atmosphere of MIT, but as a work of art it falls a bit short of the best drama of our time. How much of this lack is due to the translation, I cannot say.

Bertolt Brecht has taken the legendary scientist and fit him into the mold of a tragic hero. Galileo manifests nearly every quality that makes a character tragic: he is 'large' in stature and frame, he is intensely devoted to what he believes is right, and he periodically gives himself over to fits of introspection. Battered by poverty, hunger, and a jealous church, he faces his enemies with careless, self-righteous bravado. And then comes a stupendous bow to reality, a twist not common in classic drama, but increasingly popular in our times. Emerging from the Inquisition with his ideals violently shaken, he nurtures a kind of distorted nihilism until his death in 1642.

Yet for all his ingenious rendering of Galileo's life into a tragic plot, Brecht falls victim to some of the monstrosities of style that became obsolete hundreds of years ago. The dialogue lacks that subtlety so characteristic of the modern theatre, so necessary to a public bent on realism in art and science alike. As for the chorus of nuns, for which I know not whether to blame Brecht or someone else, it was outmoded long before Shakespeare. They had magnificent voices, but almost anyone would object to its petty moralizing and rehashing of the plot.

In fact, Brecht's message is quite obvious without their help: scientific investigation, when carried to destructive ends, when exploited for commercial gain, or when pursued simply to appease curiosity, has no justification; science has one aim and that is to feed men and make them happy. And yet physics, for Galileo and some of us today, satisfies an inner need far more enduring than hunger.

The actors did their best to cope with the pomposity of their



Photo by James Robertson

The Pope and his Cardinal Inquisitor discuss the fate of Galileo Galilei in the Kresge Auditorium Little Theatre. Costumes were hemmed by residents of McCormick Hall.

lines. Joseph Morlan, '65, who played Galileo, started with difficulty, but as the action drew to a close his performance approached mastery. I found John Sowle, '66, and David Fan the most convincing, Anthony Turrisi, '56, the most amusing. In spite of a general tendency to stand motionless when speaking, the actors showed a genuine talent of which MIT can be proud. The lavish costuming must have

been the main expense of the production. Perhaps the most remarkable aspect of all was the set design; the same set, with only slight modifications, was transformed from Galileo's study to His Highness the Pope's boudoir and back again with no loss of credibility. In the background a sky changing from sunrise pink to a star-studded, deep blue added a necessary touch of reality to every scene.

### Making the Scene

THIS WEEK  
MUSIC

S	M	T	W	T	F	S
		15	16	17	18	19
20	21					

**Boston University Concert Hall** Dec. 15, 8:30 pm; Boston University Chorus; conducted by James Cunningham; program: Hindemith, 'Six Chansons,' Barber, 'Reincarnations,' Schütz, 'A German Requiem,' and Brahms, 'Motet on the text of the Fifty-first Psalm.' Dec. 16, 8:30 pm, University Symphony Orchestra, directed by Clayton Hare; program: Bartok, 'Concerto No. 3,' Liszt, 'Concerto No. 2,' and Brahms, 'Symphony No. 4,' admission free.

**Jordan Hall** -- concert, New England Conservatory Chorus, Lorna Cooke deVaron, conductor; Dec. 16, 8:30 pm; program: Handel, 'Te Deum,' Crawford, 'Magnificat,' Schubert, 'Deutsche Messe,' Gibbons, 'Magnificat,' and Persichetti, 'Te Deum,' admission free.

**Tufts University** -- Concert Band, Dec. 17, 8:00 pm; program: Strauss, 'Concerto Grosso,' Strauss, 'Die Fledermaus,' Handel, 'Concerto Grosso,' Robert Russel Bennett, 'Suite of Old American Dances,' and two folk dances by Barok. Cohen Fine Arts Center; admission 50c.

**Boston University Concert Hall** -- Phi Mu Alpha Sinfonia, Dec. 17, 1:00 pm; admission free.

**Gardner Museum** -- concerts; Dec. 17, 3:00 pm; Jennike Barton, mezzosoprano, Terry Decima, piano; program: Badings, 'Chansonnettes,' Bossmans, 'La Chanson des Marins,' Ketting, 'Sonnet 194,' and Badings, 'Chansons Orientales,' Dec. 19, 3:00 pm; Deborah Moriarty, piano; program: Bach, 'French Suite No. 6,' Chopin, 'Waltz, A minor,' Schubert, 'Moments Musicaux,' 'Impromptu, A flat major,' Dec. 20, 3:00 pm; Takako Nishizaki violin; Newton Wayand, piano; program: Vivaldi, 'Sonata, A major,' Wieniawski, 'Concerto, D minor,' Tartini, 'Sonata (Devil's Trill),' Bloch, 'Nigun,' and Elgar, 'La Capricieuse,' admission free.

**First Congregational Church in Cambridge** -- 'Amahl and the Night Visitors,' Christmas Opera by Gian Carlo Menotti; Dec. 20, 4:00 pm. General admission free, reserved seats \$5.00 for two.

**New England Conservatory Chamber Orchestra** -- Dec. 22, 8:30 pm. WGBH-TV; program: Vivaldi, 'The Seasons,' conducted by Frederick Prausnitz.

**LECTURE**  
**International Student Association** New Zealand and the Fiji Islands, color slides by Robert Stewart, Harvard; Dec. 18 at 8 pm; International Student Association, 33 Garden Street Cambridge.

**Ford Hall Forum** J.B. Rhine, 'Extra-sensory Perception; What Use is it?' Dec. 20, 8:00 pm, Jordan Hall.

**International Student Association** -- buffet dinner, 'Baroque and Christmas Music,' Stanley Myers Quartet; Dec. 20 at 6:30 pm.

**ART EXHIBITIONS**  
**Hayden Gallery** -- Christmas Sale of prints, Dec. 14 to Dec. 22, 10-5 weekdays, 1-5, Sat. and Sun.

**Institute of Contemporary Art** -- Dec. 20 at 3:00 pm, gallery talk by Molly Rannels, followed by a tour and coffee hour; I.C.A. Galleries at 100 Newbury Street.

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8:30 P.M.

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MIT

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Building 10 Lobby

'GALILEO' by Bertolt Brecht, directed by Joseph Everingham; cast: Joseph Morlan, '65, as Galileo, Beatrice Paupert as Mrs. Sirtli, Lois Inman as Virginia Galilei, John Sowle, '65, as Federzoni, Anthony Turrisi, '56, as Cardinal Belarmino, Robert Moore, '60, as Cardinal Barberini, and David Fan, G. as the Cardinal Inquisitor. Produced by the M.I.T. Dramashop.

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## USMA has conference

Michael Leavitt '66 and Edward Miller '66 represented MIT at a conference on the Problems of Modernization in Underdeveloped Countries sponsored by the United States Military Academy at West Point, December 2-5.

Approximately 200 students from 95 colleges and universities heard Kenneth Young, former ambassador to Thailand, deliver the conference keynote address on December 2. Secretary of Agriculture Orville Freeman also spoke to the conference. He explored the possibilities of using US food surpluses in the fight for peace.

## Harvard Trust opens branch in Tech Sq.

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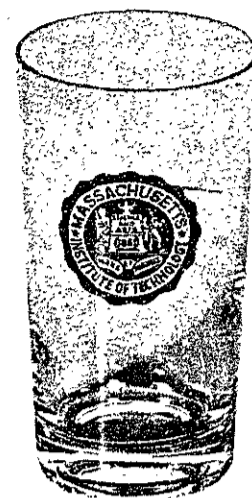
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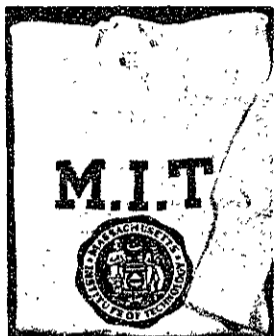
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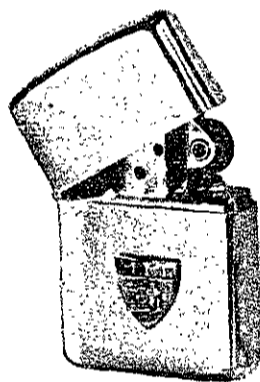
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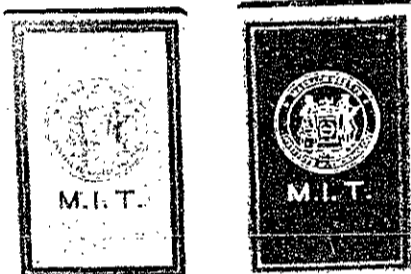
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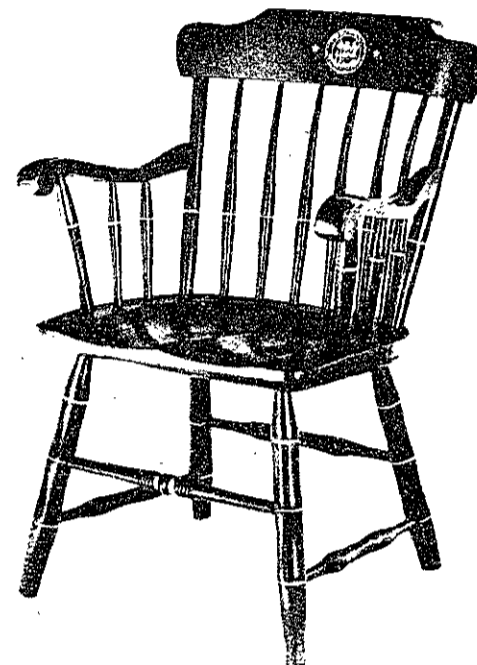
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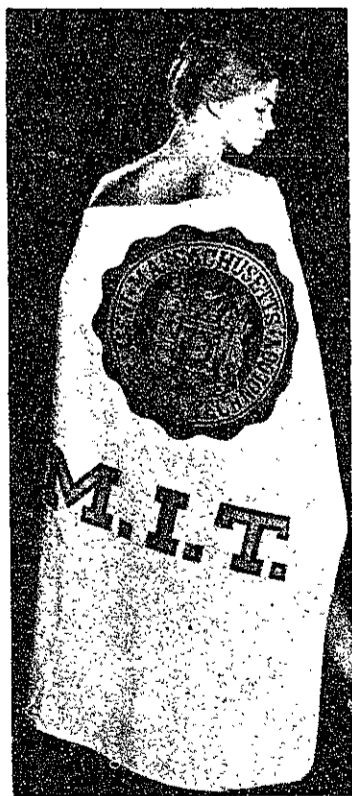
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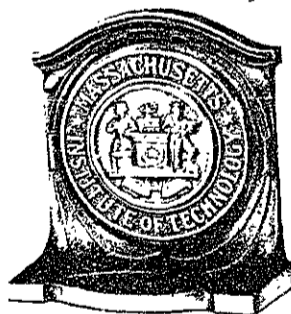


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# IM hockey favorites win; TC, Fiji lead

by Jack Seaquist

IM hockey favorites continued to roll up impressive victories as the second week of the young season came to a close. It was Sigma Phi Epsilon 7, East Campus 1 in the only upset of the week. A well-balanced attack told the story as six Eps found the scoring mark with Chuck Tsiang tallying two.

Pi Lambda Phi picked up two more wins this week as they topped Delta Tau Delta 4-0 and narrowly got by Sigma Alpha Mu 2-0. Sophomore Paul Ness of Pi L Phi got the hat trick in the first game and had one goal and one assist in the second to up his lead in

the individual scoring department to 11 goals.

Theta Chi continued to romp as they took Senior House 6-1 to move into 1st in A League. Bill Jessiman '63 scored four more goals to up his total to nine in two games. Phil Smith '65 was also impressive with two goals and three assists.

Grad House came back from last week's forfeit to tromp Sigma Nu 18-1. In other major games, Phi Gamma Delta A shut out Sigma Chi 3-0 to tie with Theta Chi. Lambda Chi Alpha took Delta Upsilon 3-1, and Phi Mu Delta battled to a scoreless tie with Sigma Alpha Mu.

In the strong MIT Community League, Civil Engineering took two games over Gaels by 4-3 and 5-2. Individual stars for both teams were defensemen as MIT frosh coach Wayne Pecknold from the Course I team scored one in the first game and got the hat trick in the second.

## College World

## Minnesota students raise tuition by selling birthday cakes to parents

By David Vanderwerf

We reported on several money-making schemes in schools around the country last week. Students at the University of Minnesota, reports the Minnesota Daily, have come up with yet another idea—the Minnesota Student Cake Agency.

The idea is a familiar one. Lists of students and of their parents' names and addresses are obtained, and letters are sent encouraging parents to send whatever fee is requested to have a cake delivered to a son or daughter for his or her birthday. In some schools this is an accepted practice. At Minnesota, apparently, it is not.

Minnesota, it seems, has a number of authorized student government agencies and student activities, most of whom simply use their initials in correspondence. Thus students are used to official correspondence with only the initials MSA (Minnesota Student Association) or MSC (Medical Student Council), or similar expressions. So, when the MSCA circulated a questionnaire asking for names and addresses of parents and for date of birth, few students

thought anything of it, and most simply filled out and returned the form.

Some students, however, became curious about the form and asked the Student Activities Bureau what MSCA stood for. The bureau, which regulates solicitation in dormitories among its other activities, had no record of the existence of such an organization, and was understandably perturbed.

Names of students, investigation showed, has been obtained by calling secretaries of dormitories and requesting the lists. Thinking that the request was from MSA, the secretaries had mailed the lists, which are supposedly confidential.

The forms themselves asked the student to "take careful stock of himself, his ambitions, and his available time." Students were also asked to check various student activities in which they were interested. The stamped, self-addressed questionnaire was then to be returned to an address at the university post office. They were signed "Harrison C. Trippe, Admin., MSCA. Officials at Minne-

sota had no record of such a student, however.

Finally located was one R. Winslow Hatch, apparently one of the leaders of MSCA. He stated that the group was part of a "massive, octopus operation" to sell cakes in order to make college expenses. According to Hatch, the operation had been quite successful on another, unspecified campus. Forty percent of all profits, said Hatch, would be donated to a scholarship fund.

With University officials and lawyers studying the situation, MSCA suspended operations. "But," said Hatch, "we're always open to new ideas."

### Mink kick the habit

While money-making activities in Minnesota were squelched, a money-saving experiment in Michigan failed, reports the Michigan State News.

MSU researchers were attempting to use tranquilizers on mink to make the normally vicious little animals quiet down. This would let mink breeders to raise them in colonies instead of individual cages, and thus reduce the cost of mink fur.

Last year, the experiment seemed to be working. Mink fed reserpine, the tranquilizer, showed fewer bite marks on their pelts than did untreated mink. It was felt then that it was merely a matter of finding the proper dosage.

This year, however, disastrously different results were obtained. Not only did the supposedly tranquil mink do as much fighting as the untreated ones, but they also gained less weight and took longer to reach sexual maturity.

All is perhaps not lost, though, reports the News. Information gained from the experiments indicates that another approach, based on the social order of the animals, may be of more use. The mink, however, are now off the tranquilizer habit.

### On Stage

Sometimes minks get people's goat, but not at Minnesota. There they've already got a goat, and it's the star performer for the University Theatre.

People around campus were slightly surprised to see the goat, Little Bear by name, calmly grazing in back of one of the university buildings. But the animal, "a bigger ham than most of the actors," is being used in a production of "Heidi."

Although the biggest problem, according to the director, was finding a rehearsal time convenient for all, it can be assumed that Little Bear, at least, had no schedule conflicts.

## Intramural Results

### Hockey

- Pi Lambda Phi 4, DTD 0
- Sig Ep 7, East Campus 1
- Theta Chi B 1, Phi Kappa Sigma 0
- PKT 4, ATO 1
- Phi Kappa Theta 2, PSK 0
- Pi Lambda Phi 2, SAM 0
- Phi Mu Delta 0, SAM 0
- Lambda Chi 3, DU 1
- BSAC 2, Instrumentation Lab. 1
- Course I 4, Gaels 3
- Course I 5, Gaels 2

### Minor League basketball

- Burton B 41, Pi Lambda Phi 39
- Student House 39, Burton C 34
- Chemistry A 73, Sigma Chi 29
- NRSA 44, EC Fourth Floor 37
- Grad House B 43, SPE B 23
- TDC B 37, PLP B 19
- EC Bemis 32, Conner First 31
- Sigma Chi 41, Theta Chi B 40
- Tau Epsilon Phi 40, ATO B 28
- Senior House B 47, PDT 39
- Chi Phi 26, No. 6 12
- DKE 45, EC Monroe 42
- Burton Fifth 36, ATO B 34
- Sigma Chi 50, PSK 36
- Burton B 61, TDC 27
- Grad House B 54, Grad Econ B 30
- Nuc. Eng. 55, AEPi A 33
- Student House 80, Baker D 44
- Chemistry B 75, EC Fourth 26

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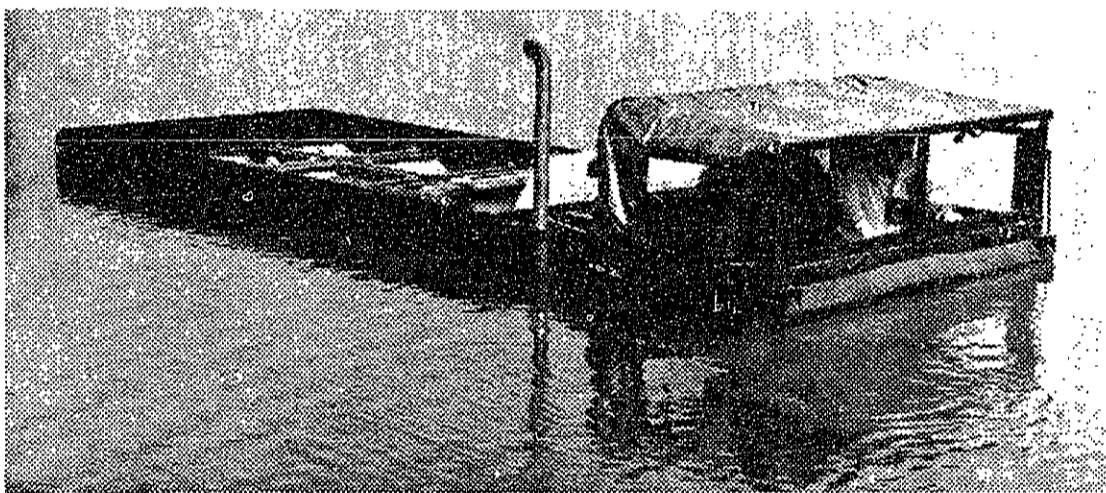
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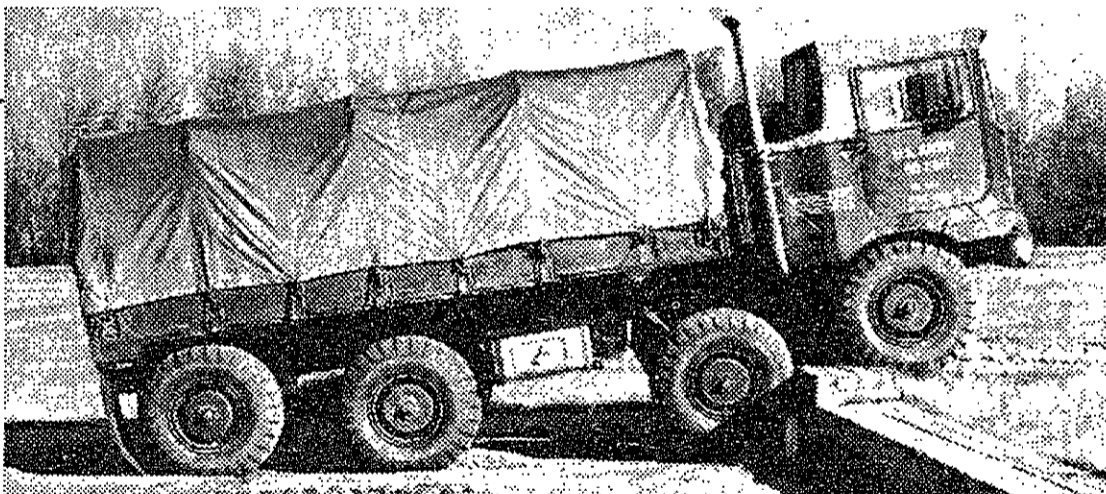
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## Poly Sci NL champ

### AL enters crucial week

By Russ Mosteller

Political Science has already clinched the National League championship with a 6-0 record as Intramural Basketball heads into the last week of its regular season. The America League is still undecided. Grad Economics Association leads Grad Management by only half a game and has two yet to play.

In the game that really decided the National League winner, Poly Sci defeated Senior House A, 46-40. The game was remarkably close and hard fought all the way. In the last few minutes, Senior House—then only three points behind—fouled to get possession of the ball, and Poly Sci capitalized on the resulting free throws.

Earlier in the week both of Poly Sci's other challengers — Burton A and Baker A—had been eliminated from the race. Baker played Senior House, both of whom had 4-1 records going into the game. Senior House carted off a 49-44 victory behind the 22-point sharpshooting of Harry Koons.

Burton A, also the possessor of a 4-1 record, went up against Phi Mu Delta, which had won only one game all season. The Delts were not to be denied, however. Only three men broke into the

### Baker House, PMD lead in IM bowling

Fifty teams are participating in the Intramural Bowling League Monday and Tuesday nights. The season is half completed with four weeks remaining. Baker A is tied with Phi Mu Delta A.

Teams are ranked on a modified Peterson Point system which is slightly different from last year. One point is given for each fifty pins total pinfall and one point is awarded the team winning each of the three games and total during each match.

Individual averages	
1. Morrison, Baker A	187
2. Campbell, Phi Gamma Delta	186
3. Strong, Phi Mu Delta	186
4. Dana, Senior House B	179
5. Souk, Sigma Alpha Epsilon	178
6. St. Peter, Alpha Tau Omega	177
7. Kanstrom, Tau Epsilon Phi A	177
8. Watson, Alpha Tau Omega	176
9. Hedberg, Baker "A"	175
10. Bochnowski, Spe A	174
11. Pulkonik, Paradise Cafe	173
12. Hollenbeck, Alpha Tau Omega	172
13. Yeasley, Phi Mu Delta A	171
14. Coswell, East Campus A	171
15. Schlosser, Baker B	170
16. Schlosser, Baker B	170
16. Papenhausen, Sigma Rhi Epsilon "A"	170
17. Smith, East Campus A	170
High Team Series: 1708 Phi Mu Delta A	
High Team Game: 639 Alpha Tau Omega	
High Ind. Series: 634 Strong, Phi Mu Delta A	
High Ind. Game: 256 Seniawski, Phi Delta Theta	

## Squashmen win 1 of 3; Top Toronto easily 6-3

By Mark Helfand

The MIT varsity squash team had a rough week winning one match out of three. Amherst shut down the squad 8-1 Wednesday, and the team beat Toronto 6-3, then lost to Williams, 8-1 Saturday.

Wayne Wilner '65, was the only winner against Amherst, one of the tougher squads on the schedule.

After Captain Tomas Guillermo '65 lost his match at number one, MIT swept the next three matches with Ted Cruise '65, Don Ward '65, and Ken Comey '65. Despite this second impressive victory, the team's national ranking will not improve.

The match against Williams was played shortly after the Toronto, which contributed to giving Williams, one of the tops, nationally, an easy victory, as Ken Comey was the only Tech winner.

## Fencers fall to Harvard

By Alan Cohen

The MIT fencing team was thwarted twice this week, first by Harvard 21-6, and then by weather that forced a postponement of the Newark College of Engineering meet. These results evened the team's record at 1-1.

Harvard trounced the MIT fencers in an obvious overmatch last Wednesday afternoon. The opening

foils matches foreshadowed the coming events. MIT lost the first four contests as Harvard forged an immediate, commanding lead that was never narrowed. The foils matches went to Harvard 7-2 with Wheeler '65 and Churninoff '67 managing the only victories.

Harvard completed the mauling by taking both the epee and sabre in the identical score, 7-2. Goeke '65 and De Bonte '67 in epee, and Oppenheimer '65 and Silverstein '65 in sabre salvaged single victories but only after the victory of the meet was decided. The meet closed with Harvard winning 21-6.

No fencing events are scheduled this week. The Newark match will be rescheduled.

### On Deck

Today, Tuesday, December 15

Wrestling (V) Brown, Home, 7:30 pm

Wrestling (F) Brown, Home, 6:00 pm

Squash (V) Harvard, Home, 4:00 pm

Wednesday, December 16

Basketball (V) Bowdoin, Home, 8:15 pm

Basketball (F) Bowdoin, Home, 6:15 pm

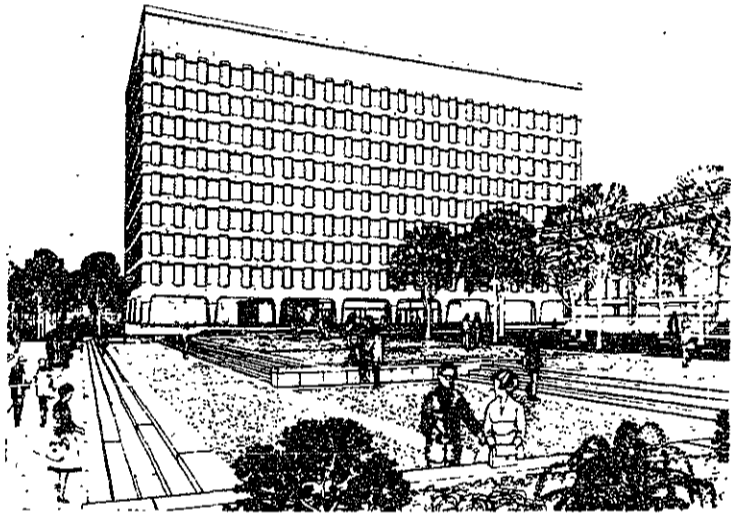
Swimming (F) Boston Latin School, Home, 4:00 pm

Track (V) Tufts, Away, 6:30 pm

Track (F) Tufts, Away, 6:30 pm

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WHERE THE CONCEPTS OF TOMORROW ARE THE PROBLEMS OF TODAY

## Frosh Sports

### Wrestlers win over Williams 21-11

By John Kopolow

The MIT freshman wrestling team made it two straight victories for the season by out-pointing Williams College 21-11. Steve Reimers in the 177 lb. class, pinned his man; Steve Bishko (123 lb.) and Charley Smith (167 lb.) picked up five points each on forfeits although Smith pinned his overweight opponent anyway.

In the 147 lb. class, Norm Hawkins was in control throughout his match, outscoring his man, 5-0. John Fishback also defeated his opponent on points, 9-6. The only MIT grapplers to lose were Bill Harris (130 lb.) and Jack Woo (137 lb.) on points, and heavyweight Tom Garvey was pinned by a man 60 pounds heavier than he.

#### Swimming

The frosh swimming team was very impressive in its first meet of the season beating Tufts easily. Indicative of the skill of this year's swimmers is that four freshman records were broken in the 63-32 win. In the 200 yd. individual medley, Winston Gard-

ner set a record at 2 min. 23.0 sec. He also completed the 100 yd. butterfly in record time of 1 min. 0.2 sec. John McFarren's time of 52.6 sec. in the 100 yd. free style, and John Preston's time of 1 min. 9.2 sec. in the 100 yd. breast stroke are also the best any Tech freshman has done.

The frosh were defeated by St. John's by a 59-36 score. John Preston still captured the 100 yd. breast stroke easily. In the diving competition, both Dan Gentry and Fred Solomon took firsts.

#### Basketball

The freshman basketball squad made a much improved showing against a well-drilled Phillips Exeter team but still went down to defeat, 77-72. Although getting off to a slow start, they fought back mid-way in the first half and led by five at one point. However, Exeter regained the lead shortly and held it. Late in the second half, the frosh trailed by as much as 15, but behind the phenomenal shooting of forward Dave Jansson, they narrowed the gap to three with less than two minutes remaining. An effective stall employed by Exeter held off the frosh. Jansson pumped through 40 points, most of which came on jump shots from the corner. Guard

Dave Altmann finished with 14. In a close game against Trinity last Saturday, the frosh came out on top, 79-76. The half-time score was deadlocked at 39-39, and the two teams were never separated by more than a few points. Leading scorer for MIT was Dave Altmann, who drove brilliantly throughout the game, totalling 27 points. He was followed by Jansson's 22; Bill Chotowski and Steve Derodeff had 13 each.

#### Hockey

The frosh hockey squad, hampered by lack of depth with only twelve men on the team, suffered two defeats last week. In a hotly contested duel with Rivers Country Day, they lost 3-1, Mike Harris picking up the lone MIT goal. The frosh were no match for Browne & Nichols High School, as their wearied troops were constantly facing fresh opponents. The final score was 9-0.

### Riflemen win third; Run over Harvard

By Karl Frederick

Harvard suffered defeat, 1231-1195, at the hands of the MIT rifle team in Friday evening's match at Harvard. Both teams were hampered by the temporary loss of one of their top shooters.

This year's contributors to Harvard's annual downfall were Dave Hamada '65, 261; Karl Frederick '65, 252; Steve Walther '66, 248; Jim Bridgeman '65, 236; and Charles Marantz '67, 234.

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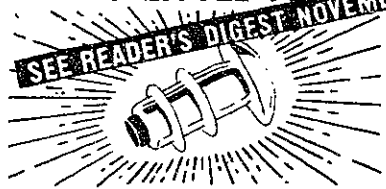
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# Cagers shade Brandeis 58-56

The Cagers played an exciting game while beating Brandeis last Tuesday, 58-56. Then on Saturday they lost 89-78 to a powerful Trinity team. This brings their season record to 1-2.

For a team that held the lead only five times in the game, for a total of less than 2 minutes, they were choosy about when they led, particularly, right at the buzzer. The game was very close all the way, with the score tied 13 times. Barry Zimmerman scored with 15 seconds gone, and he pretty much kept Brandeis leading the rest of the way. Zimmerman ended up with 24 points, including 10 for 13 from the field.

Tech led a well balanced attack with four players in double figures. Alex Wilson '67, was high point man with 16. Alex made his first six free throws in a row and wound up with eight for ten, much better than the team's .608 percentage.

The first half was close all the way. With eight minutes left before intermission, Brandeis went on top with a basket by Santo Cimino. Brandeis kept a 2 to 4 point margin till the half ended at 32-30. When play resumed, the Engineers suddenly found themselves 5 points behind. Twice in first 10 minutes they fought back to a tie after being 5 points down, due largely to senior Captain Bob Grady's .500 shooting.

Greg Jerrell '67, came in later in the half and played some good, aggressive ball. Frank Yin '65, stole the ball twice in succession and made easy layups, and wound up with 6 for 9 from the field.

Wilson tied the score at 54 all with 2:30 left. Cimino scored, putting Brandeis on top 56-54. Jack Mazola '66 tied it up with a nice one from the left of the key. Then with 10 seconds left, Brandeis lost the ball out of bounds. Mazola put MIT on top for the first time in the second half with one second left. Brandeis immediately called time out, but when they passed the ball in, it hit the ceiling ropes. MIT passed the ball in and

Mazola missed a shot at the buzzer; final score, 58-56.

**Trinity leads throughout**  
Trinity took the lead immediately and spent the remainder of the game widening the gap. With 8 minutes remaining, Tech pulled within 4 points but couldn't keep the fire going. Belfiore and Overbeck were Trinity's big guns with 31 and 25 points respectively. They racked up most of their points in the first half, hitting from far out.

MIT did a great job on offensive rebounding, but there weren't many defensive rebounds to get with Trinity hitting 47%. Alex led in rebounds, 19, more than double anybody else's total.

Alex, again, was high point man, better than doubling his previous high with a fantastic 34 points. Grady hit for 18 and Mazola 11, to round out the double figure scorers. Grady is shooting at a .500 clip for the first three games, fantastic by anyone's standards.

### Box score

MIT	fga	fg	fta	ft	reb	pf	pts
Yin	9	6	3	0	4	3	12
Hardt	10	3	6	3	12	1	9
Mazola	11	4	3	2	4	1	10
Grady	10	5	1	1	4	3	11
Wilson	14	4	10	8	13	2	16
Jerrell	2	0	0	0	2	0	0
total	56	22	23	14	41	10	58

Brandeis	fga	fg	fta	ft	reb	pf	pts
Zimmerman	13	10	4	4	5	2	24
Hymoff	4	2	4	3	0	2	7
Schwann	9	3	0	0	3	2	6
Cimino	11	5	2	2	4	3	12
Jacobsen	8	1	1	1	3	2	3
Goldstein	2	1	0	0	2	1	2
Rovner	4	1	0	0	3	4	2
total	51	23	11	10	21	17	56

MIT	fga	fg	fta	ft	reb	pf	pts
Wilson	20	12	13	10	19	4	34
Hardt	5	3	3	3	5	1	9
Mazola	13	4	3	3	3	2	11
Grady	16	8	2	2	4	3	18
Yin	5	1	1	0	7	4	2
Jerrell	5	2	0	0	4	0	4
Kinsella	2	0	0	0	2	0	0
Talus	1	0	0	0	0	0	0
total	67	30	23	18	44	14	78

Trinity	fga	fg	fta	ft	reb	pf	pts
Moirisee	3	1	0	0	4	3	2
Overbeck	22	12	1	1	9	2	25
Bremer	1	1	1	1	4	3	3
Belfiore	19	10	13	11	8	2	31
Hotrhan	14	6	2	1	5	4	13
Landes	7	3	0	0	5	3	6
Rissel	8	3	3	3	2	0	9
Hickey	2	0	0	0	1	0	0
Kadyk	0	0	0	0	1	0	0
Kadyk	0	0	0	0	1	0	0
total	76	36	20	17	36	18	89



Photo by Desmond Booth

MIT's Bob Hardt '67 (dark uniform) goes up for one of his 12 rebounds against Brandeis in a game won by MIT 58-56.

## Snap losing streak

# Skaters beat Trinity, fall to UMass

By Gerry Banner

MIT's hockey team broke its winless jinx in its second game of the season last Saturday night by edging Trinity 5-4 at the Dupont Rink. The hockey team had lost their opening game 7-1 to UMass last Wednesday in a contest postponed from the previous week.

In the UMass game, Tech's defensemen just couldn't contain the pressing Redmen offense. Tech goalie, Bob MacDonald '66, had his hands full in making 40 saves, in addition to the seven shots that got by him. On the other hand, the UMass goalie was forced to make only 20 saves, showing the consistent control of play by the Redmen. The one Tech goal came in the second period off the stick of Capt. Hank Newall '65 with an assist from Pete Getting. The offense showed spurts of fine play which were more frequent in their second game.

More than 100 fans turned out for the Trinity game and they were not disappointed. In the first period, following a Trinity goal, scores by Capt. Newall assisted by Tony Pasquale '66, Pete Getting '67 aided by Steve Shapiro '66 sent the Techmen into a 2-1 lead. In the second period, Newall and Pasquale made it 4-1 with passes from Pete Catto '66 and Lorne Wood '66 respectively. Later in the period, following another Trinity tally, Shapiro scored what proved to be the winning goal with an assist again going to Wood. Two subsequent Trinity goals were not enough to deny Tech its first hockey victory in two years.

### How They Did

- Basketball**  
MIT (V) 58, Brandeis 56  
Trinity 89, MIT (V) 78  
Phillips Exeter 77, MIT (F) 72  
MIT (F) 79, Trinity 76
- Fencing**  
Harvard 21, MIT (V) 6
- Hockey**  
UMass 7, MIT (V) 1  
MIT (V) 5, Trinity 4  
Rivers Country Day 3, MIT (F) 1  
Browne & Nichols 9, MIT (F) 0
- Squash**  
Amherst 8, MIT (V) 1  
MIT (V) 6, Toronto 3  
Williams 8, MIT (V) 1
- Swimming**  
MIT (V) 65, Tufts 30  
MIT (V) 64, St. John's 31  
MIT (F) 63, Tufts 32  
St. John's 59, MIT (F) 36
- Wrestling**  
MIT (V) 17, WPI 16  
MIT (V) 21, Williams 5  
MIT (JV) 24, Emerson (V) 8  
MIT (F) 21, Williams 11
- Rifle**  
MIT (V) 1231, Harvard 1195

Record now 2-1

# Grapplers top Williams; Beat WPI in close one

By Dave Chanoux

The MIT wrestlers won two matches last week to boost their season's record to 2-1. Last Wednesday, the squad traveled to Worcester Tech, winning 17-16. Saturday, they outclassed Williams 21-5 on the home mats.

Worcester won the first two matches on decisions, then followed by the 137-pound division by pin to take 11-0 lead. But Marland Whiteman '66, 147 pounds, and 157-pound Bill Thilly '67 both scored pins to cut the Worcester lead to one point at 11-10.

In the 167-pound class, MIT captain Bob Wells '65 and R. A. Tata '66 wrestled to a draw, thus giving each team two points. Brook Landis '67 put MIT ahead for the first time by pinning Worcester's G. W. Pomfret '67 in their 177-pound match, with MIT taking the lead 17-13.

Dick Nygren '66 wrestled for MIT in the unlimited class against Bob Traske '65. Though Nygren lost the decision 4-2, the team held on to victory 17-16.

The squad dominated the first seven matches against Williams. Larry Silverman '67 led off in the 123-pound class by winning a 6-0 decision over Howard Kisbaunum '67. Then Tim Connelly '66 outclassed Dean Bades '66 15-0. Hal Hultgren followed with a takedown in the last six seconds in the 137-pound class to win a 5-3 decision over Chip Malcomb.

Marland Whiteman continued the squad's winning ways with an 8-4 decision over Bob Olsen '67. Bill Thilly '67 followed with a 7-0 decision over Art Wheelock '65 in the 157-pound class to give MIT a 15-0 lead.



Photo by Saul Moollem

MIT forward Pete Getting '67 (light uniform) has a close shot blocked by the Trinity goalie Vic Sulkowski in last Saturday's game at the MIT rink. MIT broke a 2-season losing streak by edging Trinity 5-4.

## Lose to Boston College

# Trackmen outrun Bates



Photo by Paul Stamm

MIT broad-jumper Rex Ross '66 soars high on take-off heading for a 22' 6" effort, good for first place in the MIT-Brandeis meet held last Saturday in the cage. The Tech runners won their home meet by a 75-38 score.

MIT's varsity trackmen split two meets last week to bring their indoor season record to a 2-1 mark. Wednesday, the Techmen lost 68-45 to Boston College, but they came back strong Saturday to roll over Bates, 75-38.

A bright spot in MIT's loss to B.C. was senior captain Ken Morash's new school record in the pole vault, Morash '65 broke his own record with a height of 13' 2 1/2". Other first places were taken by Sumner Brown '66, mile; and Al Tervalon '65, low hurdles.

Sumner Brown was the leader in Saturday's victory as he won both the mile and the 1000 yd. run. His time of 2:20.0 in the 1,000 yd. run set a new cage record.

Four other MIT runners took firsts against Bates. Bob Wesson '67 won the two mile; Larry Schwoeri '66 won the 600 yd. run. Dennis Silvers '66 took the 50 yd. dash, and Terry Dorchester '65 won the high hurdles.

In the field events, Rex Ross '66 won the broad jump with a distance of 22' 6", while Tom Jones '66 took the high jump. MIT also won the mile relay with Bob Dunlap '67, Terry Dorchester '65, Rusty Epps '66, and Kim Collins '66.

So far the winter season has gone as expected, with the squad losing to BC and winning the other two. Tomorrow they head out to Tufts expecting to improve their winter record to 3-1 before vacation.

# Swimmers swamp Tufts, St. John's

By Neal Gilman

Highlighted by two new varsity records, the varsity mermen swept through two victories last week against Tufts and St. Johns with scores of 65-30 and 64-31. Bill Brody '65 lowered his 200 yard individual medley record twice this week to the time of 2:17.1, and he helped swimmers Dick Breinlinger '66, John Groves '65, and Mike Crane '67 set a new 400 yard freestyle relay record of 3:32.5 seconds.

The mermen won seven out of the eleven events in Wednesday's meet against Tufts, sweeping five of the seven. Brody won the 200 yard individual medley in a record time 2:18.0 and Dick St. Peters won his usual 200 yard freestyle in 2:01.1, as Eric Jensen '65 and Woody Stoddard '66 gained seconds in these events. Frank Mechura '65 gained another MIT first in the 200 yard backstroke, 2:30.0, as Jensen finished second.

Jay Goodman '66, swimming his first competitive 500 yard freestyle, did surprisingly well. He won his event in 6:08.3, ahead of Stoddard. Steve Snover '65 and Howard Gillis '67 finished one-two in the diving and Roger Rasmussen '66 won the 200 yard breaststroke in 2:41.5. Crane gained two second places in the 50 and 100 yard freestyle races as Victor Silva '67 also gained a second in the 200 yard butterfly.

In last Saturday's meet against St. John's MIT did even better, winning all but one event and

setting two varsity records. As Brody lowered his varsity record in the 200 yard individual medley, St. Peters and Crane won the four freestyle events. St. Peters won the distance events with times 2:03.8 and 5:55.5 in the 200 and 500 yd freestyle, and Crane won the sprints in 23.9 and 52.9 in the 50 and 100 yard freestyle. The team has one more meet before finals on January 9 against the strong team of Williams.

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