

## Kresge roof repair procedures outlined

By Tom Curtis

A four step procedure for analyzing and repairing Kresge Auditorium has been designed, according to William Dickson, Director of Physical Plant.

The four steps are:

- 1) installation of monitoring points so the engineers can check the daily movement of the roof shell;
- 2) the placement of support posts for the edge beams;
- 3) the removal of the lead coating;
- 4) repair of the damaged concrete.

The first step was completed this week and the first set of comparative readings were supposed to have been available yesterday. Dickson said he did not expect these readings to show any major movement. However, Dickson said, "There will be movement when materials are removed from the surface."

The installation of the support posts should begin the first part of next week. Dickson says he expects it will take "every bit of a couple of weeks to put that [the supports] in place."

When the support posts have been put in place, workmen can begin to remove the lead coating and the "sandwich" of materials which lies between the lead and the concrete. Workmen will begin at the top of the roof and work outward in concentric circles. As the workmen remove the covering, they will put down a water-resistant temporary covering to keep the roof protected.

While the first three steps are proceeding, engineers will be analyzing the buttresses and edge beams with ultrasonic testing. Dickson said this is "a reasonable way for finding the general condition of the concrete."

After analysis of the concrete and the removal of the coating has been completed, the workmen can replace the concrete in places where there is damage. All the work on the roof — including next spring's installation of a new copper coating — is being done by the Macomber Company. Ken Leach, one of the Macomber partners, was involved in both the original construction of Kresge and the 1963 installation of the lead coating.

Monday afternoon, these four steps in the repair of Kresge were explained to groups who had reserved space in Kresge. At this meeting, the groups were also told how to go about getting new space.

The space reassignment process will be handled by the office of Robert Holden, Associate Dean for Student Affairs. At Monday's meeting, Holden asked the groups to "think about what facilities can be converted to accommodate for [their] programs." Holden's office will be meeting with each group in the coming weeks.

Louis Menand, Special Assistant to the Provost and head of the Facilities Use Committee, told the groups MIT would first try to find spaces for them on campus and then inquire with other colleges by trying to use "brownie points" MIT has accumulated over the years. As a last resort, MIT would try to rent an outside hall.

Menand also outlined the priorities which are used for assigning space at MIT. He said academic needs have first priority, regular student activities are next, and programs which MIT hosts have lowest priority.



MIT scores the first goal during a Women's Field Hockey game against Pine Manor College on Monday. MIT won 3-1. (Photo by Eric Shrader)

## Clamshell to occupy Seabrook

Editor's note: Representatives of The Tech will be covering the occupation on October 6.

By Erik Sherman

On October 6, the Coalition for Direct Action at Seabrook (CDAS), an alliance of groups opposed to nuclear power which includes Boston Clamshell, is planning to occupy the site of the nuclear reactor which is under construction at Seabrook, New Hampshire.

The group wishes to cause the permanent cessation of construction of the plant by "non-violently, collectively entering Seabrook and with our physical presence [stopping] construction," according to Danny Gindes, a member of Boston Clamshell.

"[We plan] to take it and keep it till plans for completion of the nuke are completely and ir-

revocably cancelled," he explained.

The Coalition plans to achieve this goal by establishing a "community" at the actual construction site. They plan to continuously saturate the area with a large number of volunteers to make further construction of the reactor physically impossible.

To this end, the group has established an extensive support system. Over 100 people in the town of Seabrook are raising money and purchasing food and other materials needed for the occupation.

"People are actively working on transportation, child care, medical [care], and food. Thousands of pounds of food have already been donated," said Gindes.

Mandatory training sessions have been created for people who

wish to join the occupation. Completely non-violent methods of protest and resistance are being stressed.

Support for the action is not based only in New England, however. Groups from all over the country who oppose the use of nuclear power are sending personnel and supplies.

Commenting on Clamshell's decision to support the occupation, Gindes noted, "Legislative strategies have proved difficult. A moratorium would not affect present plants." The Clamshell Alliance wishes to halt all future construction of nuclear power plants and to shut down existing ones.

The only communications that the Coalition has had with New Hampshire authorities has been a one-line letter that the group sent, stating their intention of occupation.

Although violence on the part of the police is not expected, due to the unfavorable publicity that the state would receive, occupiers are being taught to deal with tear gas, high pressure water hoses, and physical attacks.

CDAS is arranging to have religious and other neutral observers present during the occupation to ensure that any violence on the part of the authorities would not go unnoticed.

The Clamshell Alliance was formed in 1976 to actively oppose the proliferation of nuclear power. Their support is solely on a "grass roots" level.

The CDAS was formed specifically for the task of organizing the occupation at Seabrook.

## MIT schools have financial difficulties

By David C. Lingelbach

The School of Engineering, the largest school at MIT, is operating "very close to the margin," according to Robert Seamans, dean of the school. "It is becoming harder and harder to meet the budget," he added. The reason for this has been that endowments haven't been coming at the same rate as they used to, and that the engineering school "hasn't been very successful at raising money."

Seamans couldn't explain why funds weren't being raised, however, since the engineering school has very loyal alumni with a "remarkable capability for raising funds," and because he felt the funding process was basically a good one. Seamans added, "the engineering school was not getting a proper share" of the funds of the \$220 million fundraising campaign.

In the future, Seamans predicts expansion at both the undergraduate and graduate levels, as well as possibly new engineering buildings and redistribution of the Course 6 program. The Dean did not, however, predict when this expansion could take place.

Dean of the Sloan School of Management, William Pounds, says that his school's financial situation is "roughly similar" to

**Total Budget for each School FY 1979  
In Millions of Dollars  
(includes General Monies, Funds, and Research)**

<b>Engineering</b>	<b>\$49.4</b>
<b>Science</b>	<b>\$41.0</b>
<b>Humanities &amp; Social Sciences</b>	<b>\$10.0</b>
<b>Sloan School of Management</b>	<b>\$5.7</b>
<b>Architecture</b>	<b>\$4.8</b>

Graphic by Wendy Rowe

that of MIT. "The Sloan school is looking to operate at a deficit" for this year and good financial news is definitely not anticipated.

"We can always use more money," said Robert Alberty, Dean of the School of Science. He reiterated the fact that his school needs buildings very badly and that all of his departments need more space.

Dean of the School of Humanities and Social Sciences, Harold Hanham, is faced with special financial problems of his own. He explained that his school is the "worst hit" financially of all the schools. Hanham said that the school is struggling to ensure that graduates get the best places when they graduate from MIT. In spite of all that, MIT had some of the

finest programs in the nation in political science, economics, psychology, philosophy, and music, he added.

According to Hanham, the main problem in his school has been the deplorable facilities with which the students have had to work. He indicated that new facilities were needed for music (especially with the closing of Kresge), psychology, political science and economics, the humanities library, and philosophy.

Hanham said his school's bad financial position in mainly due to the fact that his school receives little or no research funds, as compared to the science and engineering schools, where 25-30% of their funds come from

research. He did point out, however, that MIT is "one of the best-run financial institutions in the country" and that the funding process is a "very humane system with a great deal of flexibility".

Vice President for Financial Operations, John Currie said that although there have been "modest surpluses" for the past two years, there would be no such luck this year. This, he explained, is mainly due to the energy crunch.

MIT is a "fiscally conservative institution," according to Currie, especially when compared with some of the other Ivy League schools, and is a well-run financial corporation.

## inside

The Kresge roof was an item of interest over a decade ago, as discussed in *Looking Back*. Page 2.

Rushing at fraternities causes a severe emotional strain on many freshmen. Can anything be done to solve this problem? Page 4.

The MIT golf team defeated Tufts and Northeastern in the last two weeks and is now preparing for the ECAC Regional Tournament. Page 8.

Looking Back

# Kresge roof has history of problems

*Editor's note: A good deal of testing preceded the choice for the present lead roof on Kresge, as was reported in two articles in The Tech. The first ran in the October 11, 1961 issue and the second in the October 24, 1962 issue.*

The egg is going to get a new shell!

However, "the egg" refers not to the product of a chicken, but to product of Eero Saarinen, who designed the unusual Kresge Auditorium. "The shell" refers to the projected new roof for Kresge. Or, more correctly, the new roof covering.

The original covering of the roof was a combination of stone and concrete, which had an unusual purpose. It seems that when you go up the Charles River for a short stay, you can line up the dome of the auditorium with the domes of building 7 and building 10. Because of this, the Institute wanted the three domes all the same color. Thus, the stone.

However, the roof, being one-eighth of a sphere, is subject to some very unusual temperature conditions.

For example, in the winter, even though the temperature around it may be 20° or colder, the sun shining on the dome may raise its temperature to the vicinity of 80° to 100°F. In itself, this can produce some unusual effects if the other side of the roof is covered with snow.

Moreover, when the sun sets, the roof is subjected to a very sudden temperature change, causing it to contract suddenly, and oftentimes cracking it. Thus, over the six years the dome has been in existence, it has weathered very much and is in very poor condition.

Before repairing the dome, the Institute wants to test the proposed materials before putting them on and risking the waste of more money. Thus, two mockups have been built.

It may seem to some that the lead would make a very heavy roof, but the facts of the matter are that the concrete was so thick that the lead is actually lighter. Thus, not only will the new roof stand the weather better, but also will not put so much stress on its supports.

Now there is only one problem left: The building won't match the other domes.

\* \* \* \*

Contractors and Physical Plant officials are doubtful that the work on the dome of Kresge Auditorium will be finished by the time winter weather sets in. Dick Collins, administrative assistant to the director of the Physical Plant, said that at least two months with favorable weather would be needed to complete construction.

Workmen have been covering the dome with lead sheets since the middle of September. Expansion and contraction of its outer

surface has been giving the Physical Plant trouble ever since Kresge was built in 1955.

Six months after the building was completed, the dome's concrete outer cap and outer coating began to crack. A new plastic coating proved to be ineffective.

After five years of experimenting, Physical Plant experts and representatives of the architect and general contractor decided that lead sheets would provide the best covering.

Last year, the south corner of the dome was covered with a prototype of the present covering. At the same time, the corner facing Rockwell Cage was covered with a special type of lead shingle.



This side up, please. Due to a printer's error, this photo appeared on its side in Tuesday's Tech. (Photo by Kevin Osborne)



## Maserati Merak or Lamborghini Silhouette?

*If you know...  
you probably know  
St. Pauli Girl Beer.*

People who know the difference in fine things know the difference between imported beer and St. Pauli Girl, the superb imported German beer.

"Girl" fanciers favor St. Pauli Girl with its delicious, full-bodied flavor and sparkle. Many have even discovered St. Pauli Girl Dark with its hearty and distinctive German richness.



Imported from Bremen by Carlton Sales Company, New York, N.Y.

Maserati. If its "Flying Buttress" rear-quarter treatment didn't tip you (Silhouette has air scoops!) Ms. Liberty should have. Factory Lamborghinis are no longer imported. Buffs have to spend small fortunes to make them "U.S. legal!"

classified advertising

**HELP WANTED** Fledgling Jewish Magazine looking for Business Manager to solicit advertising, handle bookkeeping and general business duties. Some sales or business experience preferred. Earnings by commission. Call Susan at 391-2387.

**S-100 HARDWARE** ADM-3 terminal \$400, IDS 80 column printer \$375 8k memory static 250 ns. \$80, 8" innovex floppy \$250 controller & cables \$50, 4Mhz z-80 \$80. 661-3718.

**WESTERN PANTS**  
Levi's  
BUTTON FLY 501's  
Walker's  
292 Boylston St., Boston

**Bill's TV Rentals, Sales and Service**

New and Used TVs, Stereos and Video Recorders  
Rentals start at \$7.50 per week plus delivery  
Long and short term rentals  
933-8866  
933-8408

# notes

## Announcements

Transcripts with summer session 1979 included will be available September 24, 1979

\* \* \* \*

Applications for advanced degrees in February 1980 must be returned to the Registrar's office, E19-335, by today.

\* \* \* \*

The Experimental Study Group still has a few openings for freshmen this term. If you are interested in studying GIR's at your

own pace, would like a more flexible schedule, or would like to be part of a small academic community with ready access to staff, consider joining ESG. Stop by 24-612 to visit (we're open 24 hours a day) or call Holly Sweet at x3-7786 for more information before October 12th (the deadline for joining this fall).

\* \* \* \*

Freshman ID's and pictures are available in the Office of Freshman Advising, 7-103, and should be picked up as soon as possible.

\* \* \* \*

MIT Seniors interested in university teaching who plan to start graduate school next September are eligible for a **Danforth Foundation Prebaccalaureate Fellowship Award**. A similar award is available to graduate students pursuing their doctorates. The application date is October 19. Interested students should contact Dean Jeanne Richard in the Graduate School Office, 3-136, x3-4869.

\* \* \* \*

Students interested in volunteering to work in the Cambridge Public Schools in all aspects of curriculum from the high school through to the elementary level should call **Cambridge School Volunteers** at 498-9218.

\* \* \* \*

The **Northeast Personal and Business Computer Show** will be held at Hynes Auditorium today through Sunday. The show opens at noon each day, and general adult admission is \$5, which includes tech talks, free updates, and lectures by internationally recognized speakers. For more information, call 524-0000.

## Lectures

Dominique Desanti, French historian, biographer, and journalist for *Le Monde* will be the first speaker in the Foreign Language and Literatures Sections series on **"The Political Role of the Writer in Twentieth-Century Western Society."** Desanti's talk, in French, will be at 8pm on Tuesday, October 2, in room 37-252.

Starting at \$25. **WESTERN HATS**  
STETSON  
**Walker's**  
HINO APPAREL, INC.  
292 Boylston St., Boston

**ANY U.S. BOOK IN PRINT**  
ORDERED BY TELEPHONE  
DELIVERED DIRECTLY TO YOUR HOME OR OFFICE  
ALL MAJOR CREDIT CARDS ACCEPTED  
OUR 8TH YEAR WORLD WIDE  
**944-8060/7 DAY - 24 HOUR SERVICE**  
COOPERATIVE BOOK SERVICE OF AMERICA, INTERNATIONAL  
Reading, Massachusetts 01667 U.S.A.

# news roundup

## World

**Ireland awaits Pope** — Pope John Paul II's visit to Ireland Saturday will mark the first time a Pope has ever visited that country. More than two million people are expected to see him during the 56 hours that he will be there.

**Saudis pledge increased oil output** — Fahd bin Abdul, Crown Prince of Saudi Arabia, promised that his country, the largest exporter of oil to the United States, will maintain its extra oil production level for three more months. Analysts say the decision should stabilize world oil prices for the remainder of the year.

## Nation

**Carter writes Kennedy** — President Jimmy Carter sent Senator Edward M. Kennedy a handwritten note explaining that his statement that he does not "panic" in emergencies was not meant as a reference to Kennedy's Chappaquiddick incident, which occurred ten years ago.

## Local

**White declines Timilty debate offer** — Boston Mayor Kevin White has refused to debate challenger Joseph Timilty, claiming he is too busy with city affairs. "You don't run a city by debating," he said. Responded Timilty, "We want Kevin White, wherever he is, to come out and talk about the issues."

**Zimmer to stay** — The Red Sox management announced that Don Zimmer will manage the Red Sox for the 1980 season, and that pitching coach Alvin Jackson was fired. Said Zimmer, "I'm tickled to death to be back. I think I could have been fired."

By Richard Salz

## Weather

A flash of summer returns to Boston today. Under partly sunny skies, highs will reach 75-79. Increasing clouds tonight, with showers breaking out by morning. Lows 57-61. For Saturday, mostly cloudy with occasional rain showers, heavy at times. Highs 70-74. Rain decreasing at night, but not ending until early Sunday. Lows 53-57. Mostly clear Sunday, highs 66-70.

**If it's sick to love a pen, then the world's going crazy.**

It happened to secretaries first. Then lawyers, bookkeepers, waitresses, cabbies, housewives, and businessmen succumbed to the beauty of our Pilot Razor Point and Fineline pens.

Some people felt it was sick to get so emotionally involved with our pens. But is it really so crazy to love a Pilot Razor Point pen that writes with a sharp smooth line and costs a mere 79¢? Is it nuts to flip over its unique little metal collar that smartly helps to keep its point from going squish?

If it is crazy, it's going to surprise a whole lot of people. In fact, we understand that Pilot Razor Point even has what it takes to score extra points with football players.

It also comes to our attention that many coaches are fans of the Pilot Fineline. Along with all the other Razor Point features, the 65¢ Pilot Fineline has the strength and drive to go through carbons.

It's hard to resist a pen that holds the line like a Pilot.

**PILOT**  
fineline marker pens  
More than just something to write with.

A movie dedicated to the fine art of making it.



COLUMBIA PICTURES Presents  
An EDGAR J. SCHERICK/DANIEL H. BLATT Production  
**JEFF BRIDGES • BIANCA JAGGER • NED BEATTY**  
"THE AMERICAN SUCCESS COMPANY"  
BELINDA BAUER • STEVEN KEATS  
Screenplay by WILLIAM RICHERT and LARRY COHEN.  
Story by LARRY COHEN  
Produced by DANIEL H. BLATT and EDGAR J. SCHERICK  
Directed by WILLIAM RICHERT  
Music by MAURICE JARRE  
A RICHERT/COHEN FILM

PG PARENTAL GUIDANCE SUGGESTED  
SOME MATERIAL MAY NOT BE SUITABLE FOR CHILDREN



© 1979 COLUMBIA PICTURES INDUSTRIES, INC.

Starts Friday, September 28!

SACK  
CHERI 1-2-3  
50 DALTON OPERATOR  
BOSTON 538-2870

CHESTNUT HILL  
CINEMA  
R.T.O. at HAMMOND ST.  
277-2500

FRAMINGHAM  
CINEMA  
R.T.O. SHOPPER'S WLD.  
235-8020

BRAINTREE  
CINEMA  
50 SHORE PLAZA  
848-1070

BURLINGTON  
MALL CINEMA  
ROUTE 128 EXIT 42  
272-4410

SACK  
CINEMA CITY  
DANVERS  
501-300  
EXIT 24 OFF RT. 128

Leigh J. Passman

## The strain of rush: can it be eased?

Residence/Orientation week is only four weeks behind us, and for most freshmen, it is fast becoming a memory. Although the emotional strain or cultural transition of the rush process on freshmen garners much attention during rush week, and even though many freshmen voice their incredulity or resentment at the rush process, it is gradually forgotten as registration, getting settled, and classes become our primary concerns. After undergoing it for the first and only time, there is little to motivate anyone to take a serious look at how rush affects freshmen their first week on campus and what improvements might be made.

### The pressures of rush

Rush is clearly not an "emotional strain" or "cultural transition" for everyone. Many freshmen arrive intent on living in a dormitory. For them there is little pressure; R/O week is relatively carefree. Similarly, many freshmen interested in fraternities are promptly "grabbed" by frats; for them an early bid ends the pressure of rush.

Yet for many rush is a hectic, unpredictable strain. Flushing, being volleyed between competing living groups, and the general feeling of not knowing where you are going to live is very trying. Particularly upsetting for freshmen is "waiting for the bid that never comes." Most fraternities rush hard or "keep around" more freshmen than they ever intend to bid. After investing a day or two at a seemingly receptive fraternity, a few freshmen invariably get "screwed." It is an inherent flaw in rush that strongly disappoints those unlucky few.

There is a tendency to belittle this aspect of the rush process. We don't like to talk about it. What about those that get screwed? "Well, life is unfair." I have discussed this problem with fraternity members, rush chairmen, and former "rushees." All acknowledge that the pressures of rush make it very difficult for freshmen to really relax and enjoy it.

### Other schools different

Coming up with ideas and solutions is difficult. Many freshmen ask why rush needs to be conducted so soon after they are welcomed to MIT. The stock answer: the housing shortage necessitates getting freshmen into the fraternity system immediately.

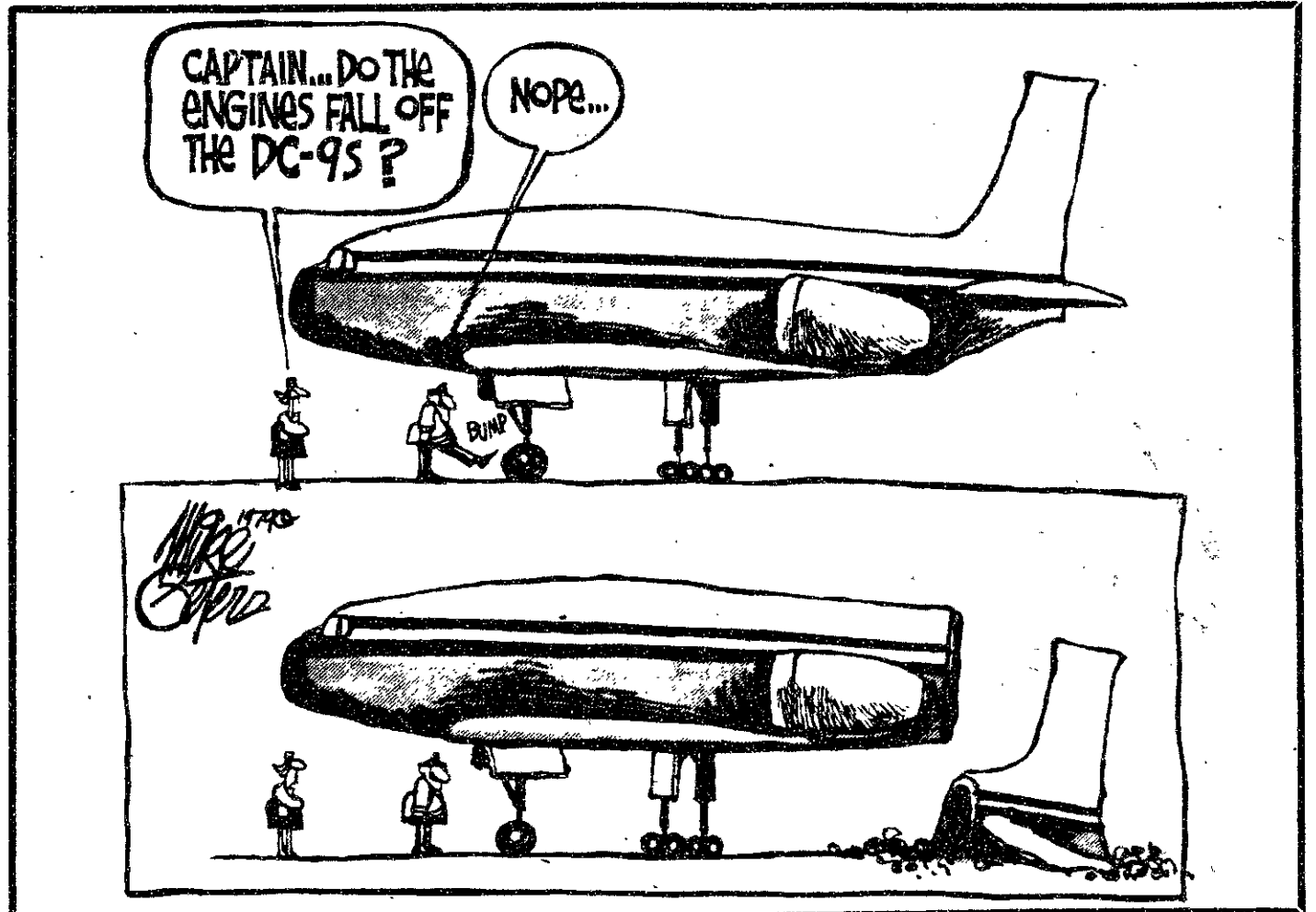
Contrast this with other universities. "Rush" there is a misnomer; it is a long-term process during the first or second semester. "Pledges" move into fraternities at the beginning of their sophomore year. All freshmen live in dormitories, with more upperclassmen, in turn, in the fraternities.

Could such a system work at MIT? Probably, but the transition from the present to the conventional system would be problematic.

Obviously such a change will not occur — the IFC and MIT will oppose it vehemently — nor do I think it should. But I do feel that improvements in the rush process are needed.

One problem which could be attacked is that of information. Reams of Institute garbage mail inundate the freshman before his arrival. Yet descriptions of the rush process, particularly flushing and fraternity jockeying, are inadequately described. The general sentiment entrenched by MIT and the IFC has been "what freshmen don't know won't hurt them." But it is indeed this ignorance, this "hey, what the hell is going on" discomfort that makes rush such a drag.

Maybe something else can be done. We would like to hear from the student body, particularly freshmen, on what might make the rush process more enjoyable.



Ken Hamilton

## What to do about Kresge

Since the closing of Kresge Auditorium was announced early this week by physical plant because of the discovery of loose concrete in the auditorium's roof edge beams, many campus groups that have relied on Kresge in the past have been thrown into a flurry — looking for alternative accommodations to Kresge.

Several of these campus groups who regularly use Kresge — the only auditorium on campus that can seat 1000 people — may be holding some emergency meetings to look for solutions to the Kresge dilemma.

It is rumored that one of the solutions that surfaced in one such meeting of a campus theatre group included holding each act of their next dramatic production, *The Odyssey*, in a different room of the Institute and asking the audience to travel from room to room over the course of the evening. All the details haven't been worked out yet, but some of the members of the group seem enthusiastic about it, claiming that the audience will sympathize with Ulysses and experience a "tragic catharsis" in the course of the evening, complete with blisters and sore feet.

While LSC debates whether or not it will show movies on the face of McCormick, other members of the group, irate with the inconvenience caused by the closing of the auditorium for the second time since its opening, may try to arrange for the Kresge structural engineering firm to hold its next board meeting in the failing auditorium with hopes that the roof will collapse.

Equally irate members of the MIT Concert Band might give a loud rendition of the national anthem at the beginning of the board meeting, played from the Kresge Oval, complete with cymbals, kettle drums, and baritone... and prayers to heaven that the walls of Jericho will come tumbling down upon the heads of the misguided firm.

Apparently a small group of hard rock freaks in Bexley have caught wind of the idea, and are checking out the possibility of having several local disco groups perform in the auditorium... simultaneously.

As many student groups meet looking for ways of doing something about the Kresge dilemma, the Institute will probably respond to the situation in its own way.

A meeting of an Institute com-

mittee formed to deal with the problem might go something like this:

"Gentlemen, please be seated. This meeting is called to order. We've called this initial meeting of the Committee to Restore All Concrete in Kresge, known as CRACK, to consider solutions to the Kresge roof problem. My colleague, Mr. George Dome, from the Grounds Architecture Office, has studied the problem extensively. I spoke with Mr. Dome before the meeting, and it is my understanding that his office has drafted a proposal to replace the dome. Additionally, his office is advocating that the lead in the present dome be molded into a

companion sculpture to Transparent Horizons, since it can't be sold for scrap. Mr. Dome?"

"Thank you, Mr. Chairman. Let me present our solution, an artist's conception of the next dome over Kresge. We believe that this dome will not only fit in aesthetic harmony with the surrounding architecture of the Institute but also weather for years, carrying this great Institute of Technology into its second century of educating the youth of the world."

"May I have a closer look at that sketch?" asked Mr. Andrew P. Nutly, a personnel administrator. After studying the (Please turn to page 5)

## feedback

### Commons proposal is not a good idea

To the Editor:

Freedom of choice is constantly being eroded at MIT. Even now, the fell specter of compulsory Commons surges ominously, nauseating the hardest of souls.

In line with the current nationwide trend, rights fought for and won ten years ago are being torn away. This time, the administration is considering a giant step — backwards — to forced Commons.

Supposedly, mandatory meals would provide a reliable base on which the floundering dining service could build. Actually, the move would crush much of the diversity of the campus, forcing students to conform unnecessarily with something they might totally abhor.

Improvement of the dining service itself seems the logical path to increased patronage. Demanding participation in a service which is obviously unattractive — being overpriced and, some feel, objectionable — seems a ludicrous parody of logic.

East Campus is a typical victim of this absurdity. Since the oft-crowded Walker dining hall is so geographically convenient, East Campus inhabitants may be forced onto Commons. Not everyone will meet this fate, however; the decree would take effect beginning with next year's freshlings.

While this is infinitely more

tolerable for those present now, it serves admirably to avert opposition: "It won't affect me — why should I bother to get involved?"

The issue is not just a matter of mind over stomach. It is one of principle. For the past ten years MIT students have been free to choose where and how they want to live; whether or not residents would have Commons forced upon them was not a consideration in selecting a living group.

Have we regressed to the point where individuality is dismissed as a mere inconvenience? Is a struggling food service going to dictate the lives of those around it, absorbing them to fulfill its own needs?

The existence of Commons is not under fire; the student's right to self-determination is. Students lulled into a false sense of security by a decade of relative freedom may find themselves rudely awakened by the revocation of liberties they had taken for granted.

Compulsory Commons is something worth fighting. Granted, such a battle may be all too reminiscent of beating one's head against a brick wall... but at least it will show that we still want to be more than MIT ID numbers and dietician's statistics.

After all, how can we let them do this to the Class of 1984?

Wendy E. Rowe '83

# The Tech

Steven F. Frann '80 — Chairman  
Thomas Curtis '80 — Editor-in-Chief  
Kathryn E. Gropp '80 — Managing Editor  
Pandora Berman '80 — Business Manager

Volume 99 Number 35  
Friday, September 28, 1979

### NEWS DEPARTMENT

**News Editors:** Gordon Hunter '80, Jordana Hollander '81, Bill Cimino G; **Associate News Editors:** Jay Glass '82, Richard Salz '82; **Cartoonist:** Kent Massey '81; **Meteorologist:** James Franklin '80; **Staff:** Art Hsu '80, John Molitoris '80, Kent Pitman '80, Richmond Cohen '81, Doug Klapper '81, Hans von Spakovsky '81, Elias Towse '81, Kate Williams '81, J. G. Harrington '82, Bruce Kaplan '82, Lenny Martin '82, Aaron Rapoport '82, Laura Farhie '83, Randy Haskins '83, Ron Ramus '83, Elaine Douglass G.

### PRODUCTION DEPARTMENT

**Night Editors:** Stephanie Pollack '82, Jon von Zelowitz '82; **Associate Night Editor:** Marlon K. Weiss '80; **Production Manager:** Eric Sklar '81; **Assistant Production Manager:** Bruce Sohn '83; **Graphics Artist:** Linda Schaffir '82; **Staff:** Thomas Chang '81, Cindy Delfino '81, Glenn Katz '81, Guy Davidson '82, Lina Janavicius '82, Matthew Alschuler '83, Rolf G. Embom '83, Roy Iwatake '83, Ed Seim '83, Wendy Rowe '83.

### PHOTOGRAPHY DEPARTMENT

**Photo Editor:** Kevin Osborne '82; **Darkroom Manager:** Timothy Hilby '82; **Staff:** John Borland '80, Charles F. Irwin '80, James Jackson '80, Shawn Wilson '81, Reggie Chen '82, Maryann Helferty '82, Marvin Horn '82, Colin Kerwin '82, Chris Moran '82, Ken Schreiber '82, Richard Soley '82, Richard Tello '82; **Photographic Consultant:** David Tenenbaum '75.

*The Tech* (ISSN 0148-9607) is published twice a week during the academic year (except during MIT vacations), weekly during January, and once during the last week in July for \$7.00 per year Third Class by *The Tech*, 84 Massachusetts Ave. Room W20-483, Cambridge, MA 02139. Third Class postage paid at Boston, MA. Non-Profit Org. Permit No. 59720. **POSTMASTER:** Please send all address changes to our mailing address: *The Tech*, PO Box 29, MIT Branch, Cambridge, MA 02139. Telephone: (617) 253-1541. Advertising, subscription, and typesetting rates available. © 1979 *The Tech*. Printed by Charles River Publishing, Inc.

# Opinion

## feedback

### Artists are not needed to humanize engineers

To the Editor:

John Molitoris' excellent front-page article in *The Tech* (September 21) revives the perennial question of whether or not the scientist needs the artist to "humanize" him. The realization has existed since the mid-nineteenth century that complex machinery would proliferate to play a central role sooner or later in the lives of all mankind. The scientist, instead of being pictured as a concerned citizen anxiously agonizing over the possible social consequences of the latest mechanical invention, has often been thought of as a gadget gourmand eager to usher in any gizmo as long as it instilled a sense of wonder. The artist has been deemed necessary to awaken the scientist to the importance of those aspects of life upon which the latter would institute such profound changes, aspects towards which his brainchildren may unwittingly pose a threat. Historically, this has meant nature and art, as well as those eternal values upon which civilized society must rest.

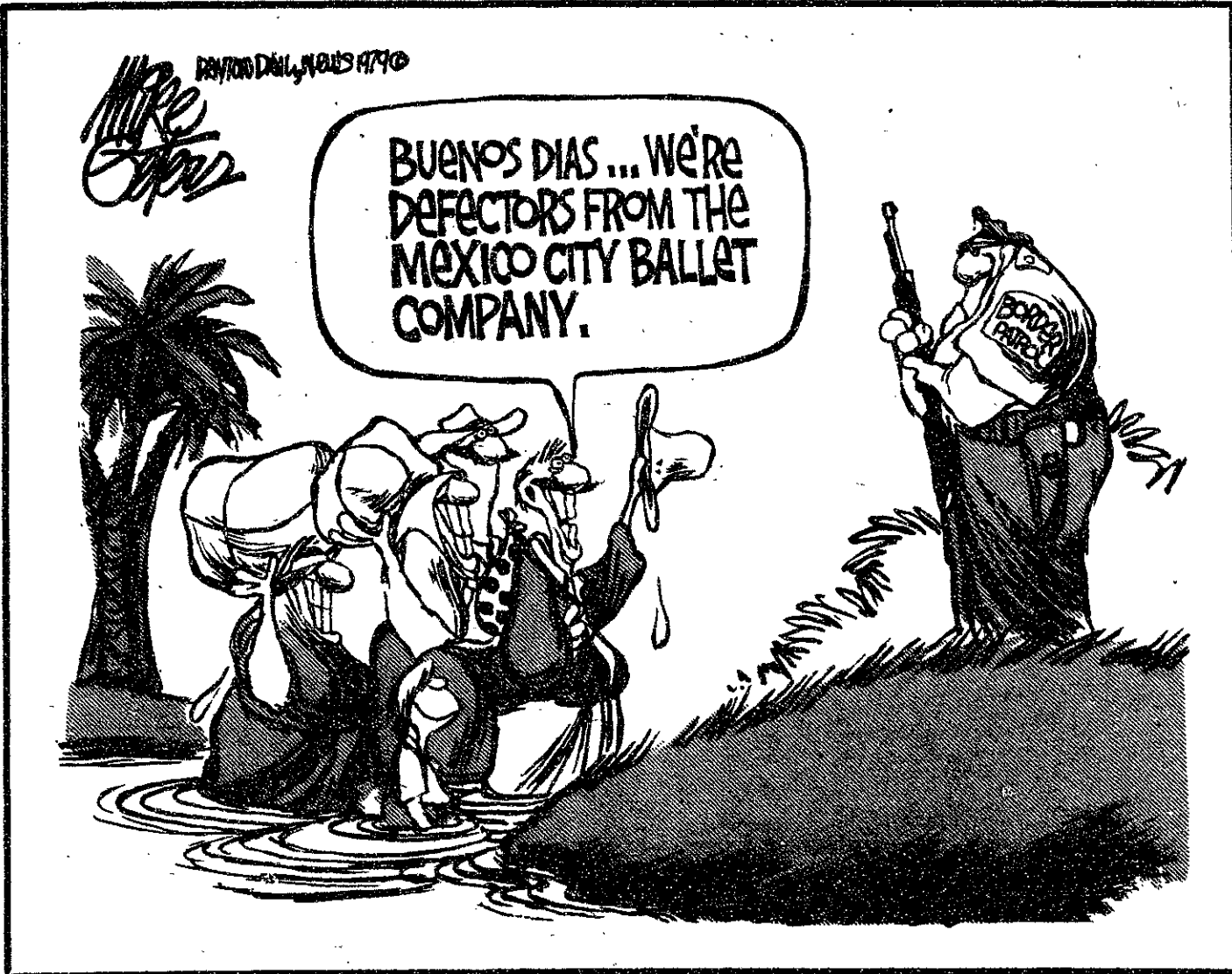
Happily at MIT, there is no lack of respect for nature and art. Our Outing Club and Science Fiction Society are famous, the latter internationally so. Well-supported are our Symphony Orchestra and Shakespeare Ensemble, not to mention our weekend films! The fire under which Hayden Gallery and the

sculpture program have come in recent years is probably a sign of good taste, rather than its absence. "For art, MIT is simply amazing!" an envious BU undergrad recently told me. The average MIT student does not dislike art; rather he likes math and science more.

Whether or not scientists, such as those at MIT, need the artist as a bearer of supposedly civilized values depends entirely upon the values that the artist is advocating. If he is preaching disrespect for man and his achievements, the image of man as slave to sexual impulse, economics or environmental forces; ethical relativism; the meaninglessness of life; the folly of moderation, self-restraint and humility; and contempt for the higher realms of thought such as are represented by scientific discovery and the political rights and institutions for which so much ink and blood have been justly shed, then the scientist doesn't need him at all. I believe that the art world is plagued by these antihumanistic values to a greater extent than ever before, and that its few numbers at MIT explain why our students are easier to get along with than those on nearby campuses.

Physicians in the art world, before attempting to 'humanize' the scientist, should first set about to heal themselves.

Roger Kolb



### A soap bubble for Kresge??

(Continued from page 4.) sketch, Nutley asked in a concerned tone of voice, "Do you think this will jive with the UNION CONTRACT?"

"The UNION CONTRACT?" asked Dome.

"Surely as a higher official in the beauracracy you're aware of the CONTRACT," Nutley replied. "It's in one of the clauses of the papers that we signed with the union people back in '55. They have to be allowed to make repairs on Kresge at least once every week with a major job every fifteen years. It was either that or pay people to wash the ceiling of Lobby 10 daily. The negotiations went on for weeks and management finally gave in on this point."

Horace Egshell interrupted. "Mr. Chairman, representing the honorable and prestigious firm of Amin and What-not, I doubt very strongly that the Grounds Architecture Office could have come up with an INTELLIGENT solution for the design of a new Kresge roof if you had been uninformed about the CONTRACT."

"Well, I didn't realize," said Mr. Dome. "In that case I might suggest our alternative plan: an inflatable plastic bubble over the auditorium — just like the tennis bubble. . . We can only hope that the Kresge bubble will also collapse with the winter snows," said Dome.

"No, it just won't work, if the students find out about this, there will be a storm. The campus will boil with controversy for weeks; we just can't let them find out that their tuition money is going to projects like this," said Mr. Nutley.

"Mr. Chairman," Mr. Egshell interrupted again. "The solution I propose is. . . well. . . a very dense solution of giant industrial-strength detergent and water. We'll blow a giant soap bubble roof for the auditorium."

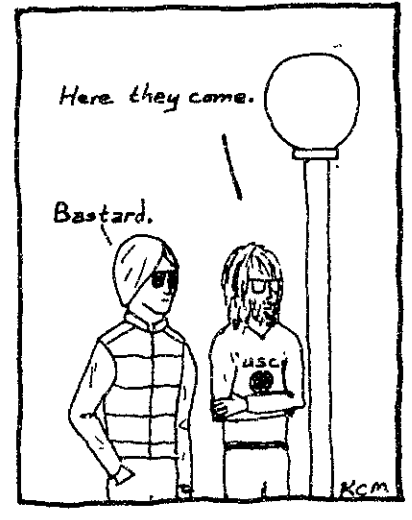
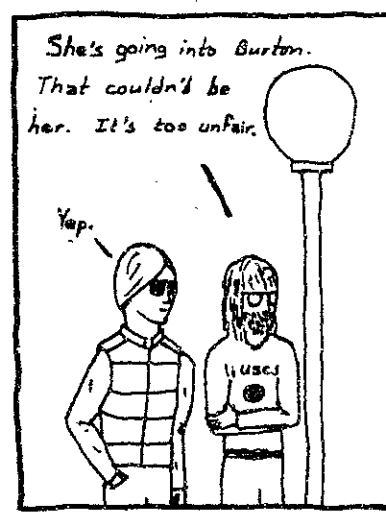
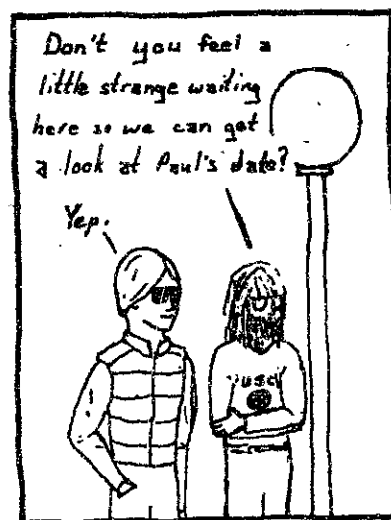
"I'll ask my nephew who works down at the *Globe* to write about the project," he continued. "He'll call it something like a daring breakthrough from a new school of architectural thought just forming at MIT, an exciting interphase of technology and free artistic expression. It'll be the only one of its kind in America — like Frank Lloyd Wright's Glass House! What do you think?"

"The engineering department will really eat this stuff up, and, you know they're a big influence around here," said Nutley. "I

think they'll really have a blast designing a bubble-blowing apparatus big enough to blow a bubble over a thousand people. And the union people will have lots of work blowing up a new bubble every day. Management will have new leverage in the next round of contract negotiations."

"Gee, I think that's just swell," said Mr. Dome. "I really think an idea like this has an application in the temporary housing market. And if it goes over, with the housing shortage, we'll get together on this and make a bundle."

### Paul Hubbard



By Kent C. Massey

**ELECTRICAL  
MECHANICAL  
CIVIL  
AERONAUTICAL  
COMPUTER SCIENCE  
& ENGINEERING MAJORS**

# GRUMMAN

Aerospace Corporation

Will Be Interviewing

## ON CAMPUS

Wednesday  
October 10, 1979

See your placement office for particulars

If our on-campus date is inconvenient, send resume and complete list of courses to Kathy Willsey, Grumman Aerospace Corporation, Bethpage, Long Island, New York 11714.

**GRUMMAN**

The reliable source

An Equal Opportunity Employer M/F • U.S. Citizenship Required

## MIT HOCKEY

Both graduates and undergraduates are needed to play the best brand of hockey at MIT. With construction of the new rink underway, the Intramural Hockey Program will be drastically reduced this year, so if you're thinking of hockey at all think of playing with us. It's one of the

best ways to spend IAP. The team is open to any MIT student. Practices begin October 17. For more information contact Lou Odette (731-4835) or Wayne Pecknold (354-0167).

### MIT Hockey 1979-80 Schedule

Nov. 29	Home	Tufts
Dec. 1	Home	Gordon
Dec. 5	Away	Plymouth State
Jan. 11	Away	Clark
Jan. 14	Away	Assumption
Jan. 16	Away	Gordon
Jan. 19	Home	Maine
Jan. 21	Away	Curry
Jan. 23	Away	Suffolk
Jan. 26	Away	Bates
Jan. 29	Home	Tufts
Feb. 9	Home	Stonehill
Feb. 11	Away	Nichols
Feb. 16	Home	Clark
Feb. 19	Home	Fitchburg State
Feb. 27	Away	Stonehill

All practices and home games will be at Boston University.

**WESTERN SHIRTS**  
LEVI WRANGLER  
H-BAR-C  
DEE CEE  
We can fit you  
TALL guys too!

Starting at \$5.95

**Walker's**  
RIDING APPAREL, INC.  
292 Boylston St., Boston

## on the town

### Movies

**My Little Chickadee**, the Mid-Nite Movie, Saturday, Sept. 29 on the second floor of the Student Center.

*This weekend's LSC lineup:*  
**The Boys from Brazil**, Fri., 7 & 10, 26-100.  
**It Happened One Night** (Classic), 7:30, 10-250.  
**An Unmarried Woman**, Sat., 7 & 10, 26-100.  
**A Shot in the Dark**, Sun., 6:30 & 9, 26-100.

### Theatre

**American Buffalo**, the 1976 Obie award winning play, is now playing at The Modern Theatre. Performances are Tuesdays through Fridays at 8pm, Saturdays at 7 & 10pm, and Sundays at 8pm. Tickets are \$9.50 & \$8.50 on

Fri. & Sat., \$8.50 & \$7.50 all other nights. For reservations, call the The Modern Theatre Box Office at 426-8445, or Theatre Charge at 426-8181.

The Boston Shakespeare Company, currently in its fifth season, is now performing **King Lear**. Performances will be in Horticultural Hall, at 300 Mass. Ave. in Boston. For more information call 267-5600.

### Music

**Jethro Tull** at Boston Garden, Sunday, October 21 at 8pm. Tickets \$8.50 & \$7.50.

**The Invaders and Ground Zero** at The Club, 823 Main Street, Cambridge, Saturday and Sunday Sept. 29 and 30.

**The Lyres and The Infliktors** at The Rat, 528 Commonwealth Ave., Boston, Friday, Sept. 28.

**Lou Miami and the Kozmetix** at Cantone's, 69 Broad Street, Boston, Friday and Saturday, Sept. 28 and 29.

**Paul Rishell** at Who's On First, 19 Yawkey Way, Boston, Friday, Sept. 28.

**Trademarks and The Dawgs** at The Space, 76 Batterymarch Street, Boston, Saturday, Sept. 29.

**The Ramones and The Thrills** at the Paradise, 967 Commonwealth Ave., Boston, Saturday, October 6th.

### errata

In the September 25th issue of *The Tech*, a feature about the Lambda Chi Alpha fraternity house written by Rose Marie Damiano was given an incorrect byline. *The Tech* regrets this error.

### ANTIQUJE JARS 50% OFF

Warehouse sale, Sunday, Sept. 30, 10:30am — 2:30pm. Handblown display jars from Harvard Biological Museum are now mostly 50% off original prices. Most are over 100 years old and range from 2" to over 3' high. Come to University Antiquaries, 129 Franklin St., Central Square in Cambridge or call Linda at 354-0892.

## Casino Night

friday, sept 28

9:00 - 1:00

student center

NO COVER — PRIZE

proceeds to muscular dystrophy

Have you ever noticed that you can't spell discomfort without disco?

Do you think that your opinions about music, theatre, books, art, and cinema are worth reading? If so, you should consider writing for the Arts department of *The Tech*. If you are interested, stop by and talk to us on Sunday or Wednesday nights.

# The Tech arts

"The trouble with rock critics is that they are so full of shit."  
 — Frank Zappa

### LIGHT TYPISTS! PARTIME OR FULLTIME

If you can type 25 wpm or more, then we can keep you busy on nice TEMPORARY assignments for a few days, weeks, or months at a time! After all the term papers you've typed, you may be faster than you think... and we have openings from 8-12, 12-4, 4-8, 4:30-8:30, or any full day you have free! Try TEMPORARY, a great way to earn and learn at the same time. Call or come into

### Office Specialists

120 Tremont St. Bos. 357-8300  
 18 Brattle St. Camb 354-7215, 12-5pm



world of careers

in aerospace awaits you at

**MARTIN MARIETTA**

**SEE OUR REPRESENTATIVE ON CAMPUS OCT. 17**

Our Denver Division has many new opportunities awaiting recent college graduates. Major facilities are located at Denver, CO; New Orleans, LA; Santa Maria, CA. Currently there are 365 contracts that involve work in such exciting areas as Space Launch Systems, Defense Systems, Command and Information Systems, Payload Integration, Space Satellites, Solar Systems, Space Shuttle and the new generation Missile System.

**Opportunities Now**  
 Within these areas are many entry-level growth positions that offer practical experience in the advanced state of the engineering art. Such fields as •

Software • Test • Propulsion • Thermophysics • Structures • Mechanisms • Dynamics • Stress • Materials • Mission Analysis • Product Development • Industrial Engineering • Logistics • Integration • Systems • Guidance & Control • RF Systems • Communications • Data Handling • Power Systems • Payloads & Sensors • Quality • Safety and Manufacturing.

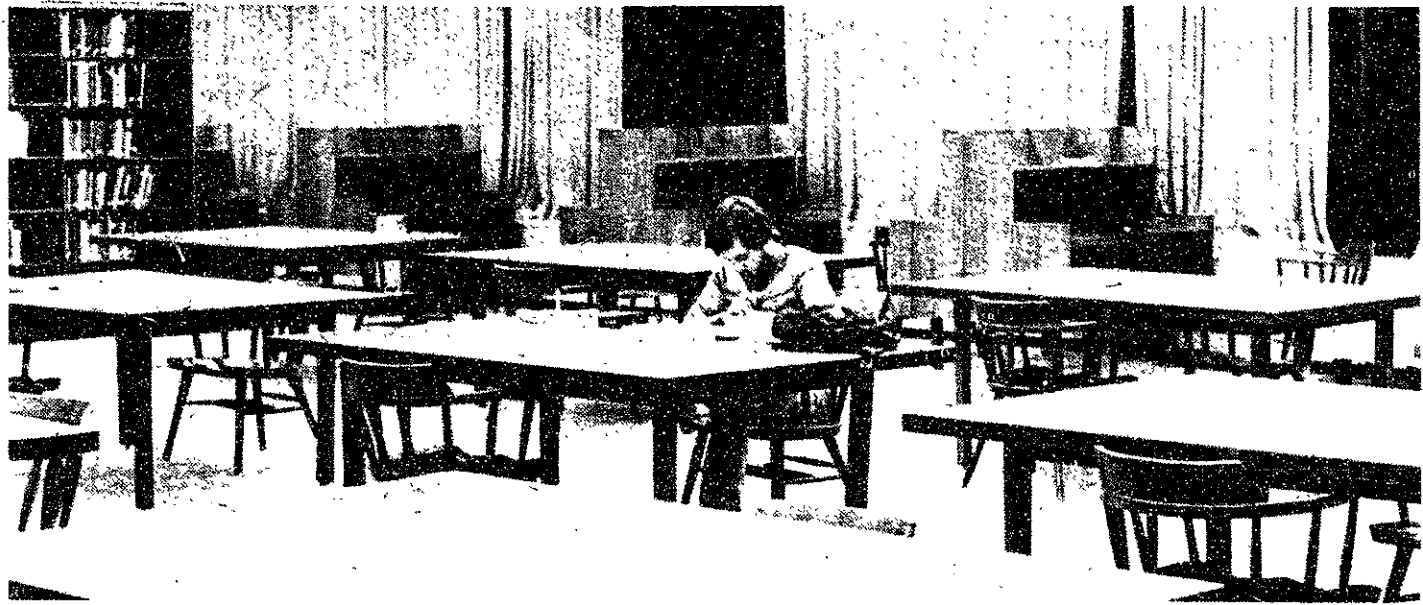
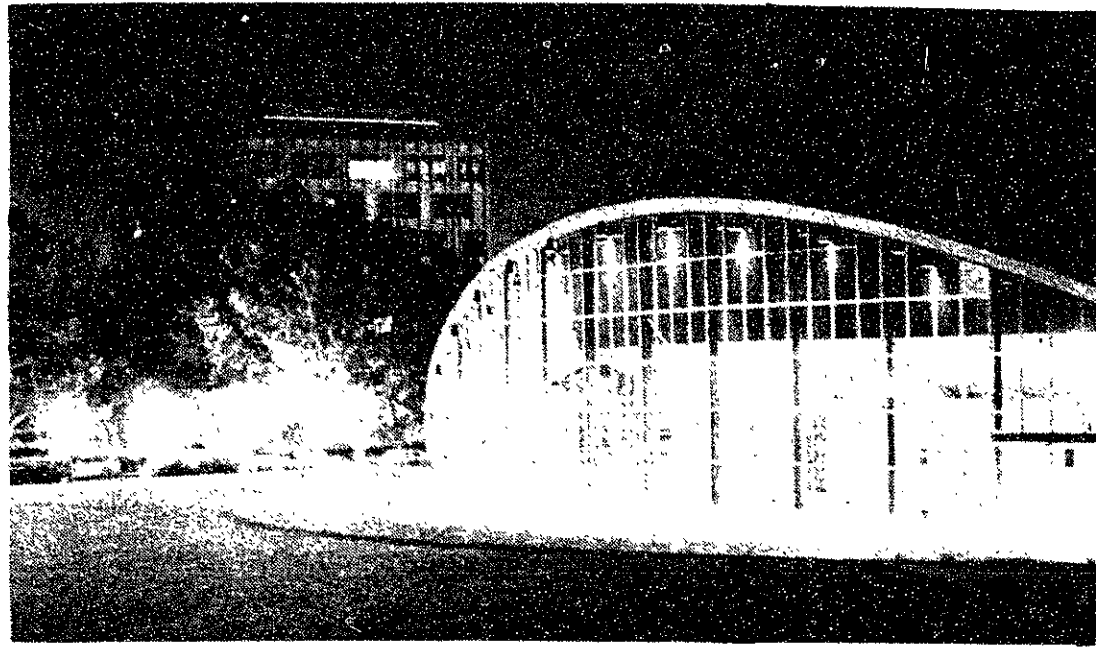
**Careers Begin Here**  
 If you're considering a career in aerospace, you won't find the challenge greater nor the work more rewarding than at Martin Marietta.  
 In addition to job opportunity the com-

pany's comprehensive program of employee benefits has a financial value equivalent to approximately forty percent of the employee's income. Included are; Company-paid insurance, performance sharing plan, retirement plan, vacation, education reimbursement and long term disability plan.  
 Interested graduates please contact Martin Marietta Aerospace. Attn: College Relations, P.O. Box 179 (#D6310) Denver, CO 80201.

Martin Marietta is an Affirmative Action Employer actively seeking the Handicapped and Veterans. National Security regulations require United States Citizenship.

**MIT After Dark**

Photos by Kevin Osborn



**TICKETS**  
**For Class Day**  
**Alumni Officers**  
**Conference Picnic**  
**Are Available Starting**  
**Saturday at 11:00 A.M.**  
**First Come, First Serve**  
**(Bring an ID)**

**Your foreign language ability is valuable!**

Translations into your native language are needed for industrial sales literature and instruction manuals. You will be well paid to prepare these translations on an occasional basis to fit your schedule. Assignments are made according to your area of technical knowledge.

We are currently seeking technical translators for converting literature into:

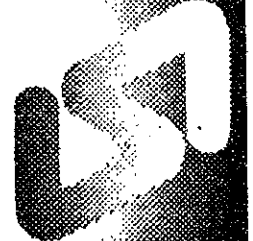
- ARABIC ■ CHINESE ■ DANISH
- DUTCH ■ FARSI ■ FRENCH ■ GERMAN
- GREEK ■ ITALIAN ■ JAPANESE
- KOREAN ■ NORWEGIAN ■ POLISH
- PORTUGUESE ■ ROMANIAN
- SPANISH ■ SWEDISH

and others.  
 Into-English translations from Russian, East European languages and many others also available.

Experienced foreign language typists also needed.

All this work can be done in your home! Linguistic Systems Inc. is New England's largest translation agency, located one block north of the Central Square subway station, in Cambridge.

**For application and test translation call Ms. Tabarié 864-3900**



Linguistic Systems, Inc.  
 116 Bishop Allen Drive  
 Cambridge, Mass.

**FOAM RUBBER**  
 AND WIDEST SELECTION POLYFOAM FOR CUSHIONS - MATTRESSES - BOLSTERS CUT TO ANY SIZE & SHAPE AT NO EXTRA CHARGE

— PLATFORM BEDS —  
 DANISH DESIGN FURNITURE  
 Zip-on Covers  
 Made to Order  
 Vinyls & Upholstery Fabrics

**FOAM RUBBER DISCOUNT CENTER**  
 254-4819 165 Brighton Ave., Allston

**PRETERM**

*If you have an unwanted pregnancy...*

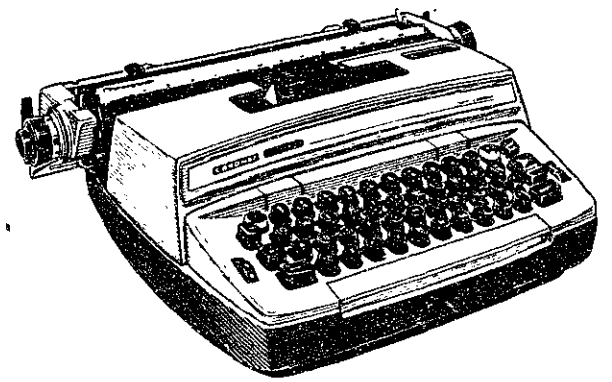
talk with one of our counselors about your decision.

Abortion/Gynecological Care/Vasectomy/Tubal Ligation  
 A licensed non-profit Reproductive Health Center  
 1842 BEACON ST., BROOKLINE, MASS. 02146  
 (617) 738 6210

**PRETERM**

**the COOP**

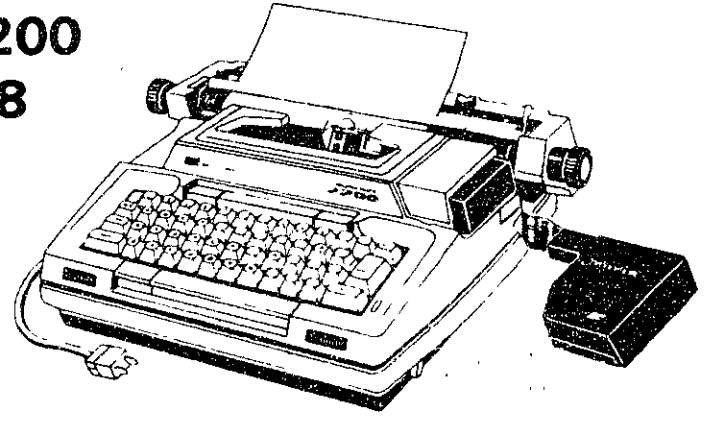
where the professionals shop for **Smith-Corona** typewriters



**SCM SUPER 12 229.98**

The cartridge electric with carriage return, and the SCM cartridge ribbon system.

**SCM 2200 319.98**



Electric portable typewriter featuring cartridge ribbon system, 12" carriage, half space, repeat space, and interchangeable type keys.

**Smith-Corona Cartridges**

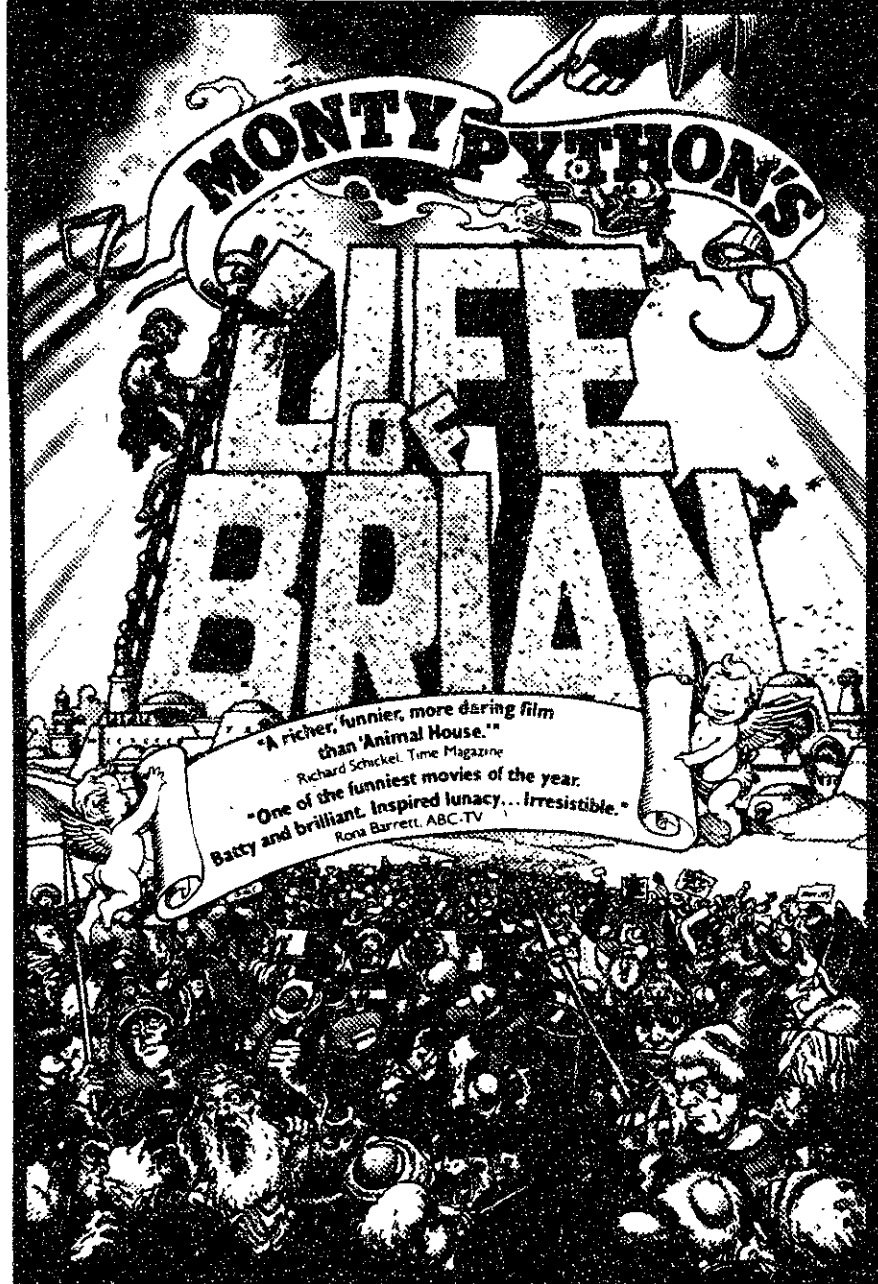
The Dual Pack — an economical purchase of two black carbon film cartridges

- One-time ribbon
- Crisp and dense
- Executive quality



**ONLY 3.49**

**EXPRESS REPAIR SERVICE ON ALL SCM TYPEWRITERS AT OUR HARVARD SQUARE STORE — IN BY 10 — OUT BY 5 — SAME DAY SERVICE.**



HANDMADE FILMS Presents **MONTY PYTHON'S LIFE OF BRIAN** Story and Writing by GRAHAM CHAPMAN, JOHN CLEESE, TERRY GILLIAM, ERIC YULE, TERRY JONES, MICHAEL PALIN Executive Producers GEORGE HARRISON, DENNIS O'BRIEN Produced by JOHN GOLDSTONE

**R RESTRICTED**  
 UNDER 17 REQUIRES ACCOMPANYING PARENT OR ADULT GUARDIAN

Directed by **TERRY JONES** Assistant & Design by **TERRY GILLIAM**

A WARNER BROS. / ORION PICTURES RELEASE  
 THIS WARNER BROS. ORION Home Communications Company  
 © 1979 PYTHON MOVIE PICTURES LTD. ALL RIGHTS RESERVED.

- SACK PARIS**  
 841 BOSTON ST.  
 OPP. PRU. CTR. 267-8181
- BRAINTREE**  
 CITY CENTER  
 50. SHORE PLAZA  
 848-1070
- ACADEMY TWIN**  
 CINEMA  
 NEWTON CENTRE  
 332-2524
- SHOWCASE**  
 WOBURN  
 933-5330  
 RT. 128 NEAR 93
- SACK CINEMA**  
 NATICK  
 237-5640 ROUTE 9  
 OPP. SHOPPERS' WLD.
- SACK CINEMA**  
 DANVERS 1-2  
 599-3122  
 at LIBERTY TREE MALL

# sports

## Golfers triumph over Northeastern & Tufts

By Rich Auchus

The MIT golf team is 4-1 after posting victories over Tufts and Northeastern during the past two weeks. The Engineers gave a somewhat disappointing performance in the New England Championships earlier this week, finishing near the middle of the 35-team field.

On Monday the 17th, Tech defeated Northeastern, 428-433, but fell to Merrimack by three strokes, 428-425. Ned Emerson '81 led the scoring for MIT with an 81, and Doug Parigian '80 shot 83. On Friday the 21st, the Engineers crushed Tufts on their home course, 420-448. Mark Marinan '81 was medalist with an 80; Parigian followed with an 81.

MIT's team total of 667 was not quite as impressive as expected in the New England Championships this Monday and Tuesday at Tacaonic and Waubeeka Springs. Parigian's 36-hole total of 86-76=162 was low for the Engineers. Bob Cosway

'80, Emerson, and Scott Nyberg '82 carded 167, 168 and 170 respectively. "We beat a lot of teams," coach Jack Barry commented, but the tournament hosted some very stiff competition.

The squad hopes to schedule matches with Boston College and Bentley this week and will compete in the ECAC Regional Tournament. MIT has been a strong contender in this tournament as evidenced by their second place finish last year.



Although this shot was deflected, it was one of the few good moments for the water polo team as it was stunned last Saturday by Brown at the Alumni Pool, 21-2. (Photo by Eric Shrader.)

### Analysis

## Football team okay, but...

By Robert Labarre

Yes, MIT did win its first football game in 79 years. Looking flawless in the first quarter and defensive for the remainder of the game, MIT showed us something. They showed us that given two components, MIT can win all the time. These two are: (1) a little incentive, and (2) a shabby team to play against.

There is some talent on the MIT team. We will have to look

at quarterback Bruce Wrobel G and running back Jeff Olson '81 in future games. Other players were surprisingly good, but let's not forget against whom we were playing.

Norwalk does not play football very well. Their defensive line is shaky and their offense is relatively mediocre in most aspects. Their running game is just as good as their passing, and

both are pretty poor.

MIT seems to do better when they run, although Wrobel completed some very key passes. His 57-yard pass to Barry Jordan got a lot of attention from the crowd early in the game.

We're going to have to see MIT play some good football teams to really evaluate the team's strengths and weaknesses. The only thing clear to me at this point is that they are much improved over the team of 79 years ago.

### MIT Tae Kwon-Do Club

Experience the total body and mind control, and physical fitness through Tae Kwon-Do (Korean martial art).

For Info, call:  
253-1000  
ext. 5-9272

### on deck

**Friday**  
Water Polo, MIT invitational  
Baseball vs. Mass. Bay Community College . . . . . 3:30pm  
Women's tennis vs. Bowdoin 4pm

**Saturday**  
Water Polo, MIT Invitational  
Women's sailing, Radcliffe Invitational . . . . . 9:30am  
Baseball vs. Haverford 12 noon  
Cross country at Wesleyan with Coast Guard . . . . . 12 noon  
Golf at Phillips Andover . . 1pm

Volleyball vs. Northeastern 1pm  
Soccer vs. Trinity . . . . . 2pm  
Women's tennis vs. Bates . 2pm  
Club football at Roger Williams . . . . . 7:30pm

**Sunday**  
Men's sailing, Denmark Trophy at Coast Guard  
Women's sailing, Man-Labs Trophy  
Men's sailing, BU Invitational . . . . . 9:30am  
Field Hockey at Framingham State . . . . . 10am

# the COOP

M.I.T. Student Center

Don't Miss the Special Savings at our

## SIDEWALK SALE

TODAY (FRIDAY)  
10am to 4pm  
(weather permitting)

- FAMOUS MAKER LONG-SLEEVE MEN'S SWEATERS **9.99**
- ARROW SHORT-SLEEVE MEN'S SHIRTS <sup>plain &</sup> <sub>fancy</sub> **3.99**
- ASST. SWIMWEAR, TANK TOPS, TUBE SOX **99¢**
- CHRISTMAS GREETING CARDS **½ PRICE**
- ASST. KITCHEN GADGETS **88¢**
- WOMEN'S "RIP IT" SLIPS **2.50**
- DACRON-FILLED BED PILLOWS **3.75**
- ASSORTED GAMES **99¢**
- CORDUROY FLOOR PILLOWS **9.99**

## WE JUST DID SOMETHING GREAT.

## WE LOWERED ALL THE RATES.

That's right. Savings Bank Life Insurance has lowered all its rates—some as much as 42%. That means Savings Bank Life Insurance is an even better buy than before. For example:

Age	\$10,000 (Annual Premium)		
	Straight Life	Life Paid-Up at Age 65	Five Year Renewable Term
25	\$ 92.50	\$ 99.80	\$19.80
30	111.50	123.10	19.80
35	136.70	155.90	23.80
40	170.00	203.20	35.90
45	212.80	272.80	47.80
50	271.20	388.80	75.40

Available only to those who live or work in Massachusetts.

Savings Bank Life Insurance offers a wide range of policies to meet your specific needs. And they're all written in plain, easy-to-understand English. So stop in and find out how much you can save with Savings Bank Life Insurance.

### Cambridgeport Savings Bank

Cambridge Office  
689 Mass. Ave. Central Square  
Cambridge 02139  
864-5271

Lexington Office  
1751 Mass. Ave. Lexington Center  
Lexington 02173  
861-6550

## SAVINGS BANK LIFE INSURANCE

The Buy of Your Life