

in the news

INSIDE

The MIT Musical Theatre Guild's current production of *Brigadoon* which will be playing in Kresge Auditorium next weekend has been praised on the basis of its wonderful singing, stunning sets, and fine performances.

p6

Looking Back brings us back to 1934, when engineers were men of letters as well as technical specialists. This reprint from the *Rensselaer Polytechnic* is an ode to those engineers of old.

p9

Class Day has expanded to the largest it has ever been. As usual, this has brought on many new problems, including damages and limited time. *IM* will look at both of these.

p12

EXCERPTS

Ah yes, we are now at the time of the semester that injects fear into the hearts of everyone from seniors to the terror-stricken freshmen... EXAMS!!!!

With tests and quizzes now, and with midterms lurking obscurely around the corner, tensions begin to mount. This is really noticeable if you ever have the misfortune to disturb someone who's studying. Some people practically jump down your throat if they're studying and you go anywhere near them...

It's hopeless to finish an exam you're not prepared for, and since pity is not something the teachers consider when they're correcting exams, if you don't know what you're doing, you might as well leave; we could all find something better to do with our time anyway.

This is when you realize that maybe you should have done those reserve readings when no one had the books you need taken out.

This is when a bottle of NO-DOZ will keep you company on those long nights of cramming...

This is when you discover that the guy who cut every lecture still knows more than you do.

This is when you resort to pleading, in a final effort to save your grades, which doesn't help; neither does crying, or threats (bribery sometimes works).

This is when you realize that maybe you should have been studying all along.

This is the moment of truth.

This is my end...

— Ellen Plausky
Collegian

New infirmary complex planned

By Michael Ries

MIT is making tentative plans to build a new infirmary and to consolidate the Medical Department into one complex to be located in the Ames and Carlton Street area.

According to Larry Bishoff, head of the Medical Advisory Board, the complex is expected to be constructed adjacent to a proposed Health Science and Technology (HST) research and teaching center.

Bishoff indicated that this move is necessary as a matter of convenience and improved medical treatment for members of the MIT community. The Medical Department is presently separated into various sections, located in different places around the Institute. By consolidating the department into one complex, the Medical Department is expected to operate more efficiently and offer more conveniences.

Due to its structure, the MIT Infirmary does not meet the requirements set forth by Medicare in order to receive aid for patients treated in the facility. A new complex, Bishoff noted, would meet these requirements. A modern infirmary could also operate at a higher efficiency than the present one, by cutting down on the number of beds, and consequently lowering some of the

operational costs.

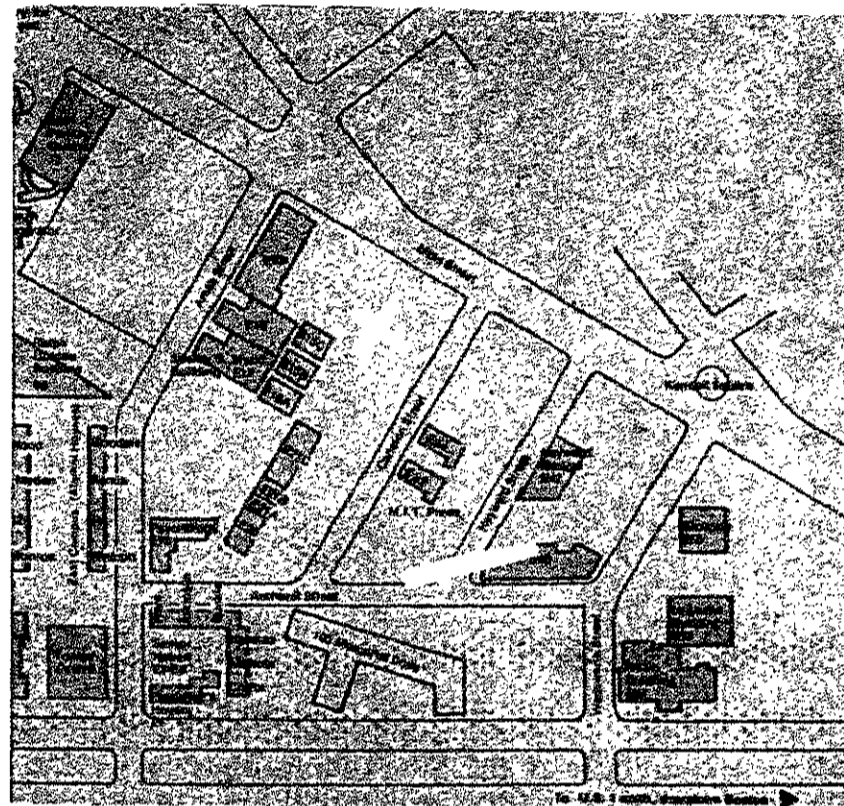
However, before any construction can be started, MIT must obtain a "determination of need" from the Massachusetts Public Health Council. This means, essentially, that the Commonwealth of Massachusetts must decide whether a new medical center is actually necessary. The reason for this is that a policy is developing, on a federal level, to cut down on the expansion of unnecessary facilities in order to defray the increasing cost of modern medical care. In other words, it would be considered impractical to construct a specialized medical complex at MIT if the same facilities could be provided at a hospital, such as the Mount Auburn Hospital, which is located relatively close to MIT.

The process for this determination of need is public, and subject to review by the entire Cambridge community. According to Bishoff, there are reasons, which MIT will present, in support of the need for such a move. Since the MIT Medical Department serves a specialized community, Bishoff maintained that the proposed complex would not compete with existing hospitals in the Boston-Cambridge area. One particular example of this involves the care of psychiatric patients. Cases treated at MIT,

which are generally of a nature different than those found at a more general hospital, can be approached from a specialized point of view. The treatment of these problems may be oriented toward the needs of the people in the MIT community, while not necessarily drawing patients away from

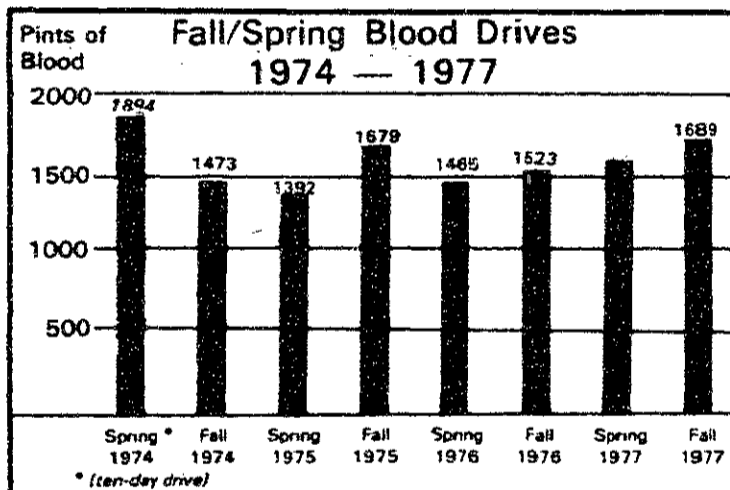
other hospitals.

The Medical Advisory Board expects to submit a proposal for determination of need by January 1, 1978. The process of review by the Massachusetts Public Health Council generally takes at least a month, although it may be longer due to the nature of the proposal.



The new infirmary complex is proposed for the block between Ames and Carlton Streets, on the eastern end of the MIT campus

Fall blood drive nets 1,689 pints



By David B. Koretz

The Fall MIT-Red Cross Blood Drive closed Friday with a grand total of 1,689 pints of blood collected, the highest for an eight-day drive in four years.

The drive closed strong with 282 pints on the last day. In addition, the fraternities finished well, topping the dormitory system 505 pints to 475. The Interfraternity Conference (IFC) had challenged residents of dormitories to donate more than fraternity members.

In the living group contests,

Sigma Phi Epsilon ($\Sigma\Phi E$) led the fraternities with a 100-percent turnout, while Russian House showed the way for the dormitory living groups with 92.9 percent of its members donating.

In the fraternity contest, kegs of beer were awarded to $\Sigma\Phi E$, second-place Delta Upsilon (97.2 percent), and third-place Beta Theta Pi (96.4 percent). Nu Delta also won a keg of beer from the IFC as the most improved fraternity (with a jump from 6 percent last year to 93.3 this year).

In the Dormitory Council-sponsored contest, first-place Russian House was the most improved dormitory living group (up 62 percentage points), so runners-up German House and Burton Third were joined by fourth-place McCormick Fourth-West for the kegs of beer.

Drive chairperson Lucy Everett '78 thanked the community for the showing. "It shows it a great deal of community spirit," she declared. "We're all happy about it — there were a lot of people working on it."

"The big improvement was in the dorms," Everett continued. "We got really good employee and faculty support; they always turn out well." Did the IFC challenge spark the dorms? "I really can't say," Everett said. "The freshmen are more enthusiastic," she pointed out.

Everett was pleased that the drive has been "increasing steadily" over the last few years. This year the drive was to some extent limited by the availability of beds and nurses.

The drive's success has steadily increased since 1974. In preceding years the totals had dipped to barely above 1,000, down drastically from the 1970-71 highs of well over 2,000 for the ten-day spring drives.

Beaver appraised by its editor

By Jordana Hollander

Last Wednesday the first issue of *The Beaver* appeared on campus. This newspaper was started by a group of MIT students to cover events not generally reported in the other campus newspapers.

The reaction of the editors of other campus papers to the first issue was favorable. Mark Munkacsy '78, Chairman of *The Tech*, called it a "very good issue" and expressed hopes that the content will continue at the present level. Also at *The Tech*, Editor-in-Chief William Lasser '78 said that it was "pretty good for a first issue" and that he was impressed by the amount of copy and number of pictures present.

No one from any of the campus papers felt that *The Beaver* would affect the material they report on. John Roselli '78, editor of *thursday*, stated that the content of his paper would not be changed by what *The Beaver* covers. Both Munkacsy and Lasser agreed that *The Tech's* coverage and editorial policy would remain the same. Munkacsy added that the new paper would take a little bit of pressure off everyone by providing another outlet for items that the other newspapers have neither the time nor space to print.

According to the editor-in-chief of *The Beaver*, Robert Feron '78, the newspaper will mainly cover entertainment, on campus events, and things to do and places to go off campus on week-ends. He views it as a paper students will enjoy reading and considers it a "survival kit for college." Feron started the paper because he felt that most people don't know about many events that they would be interested in. One function of *The Beaver* will be to make people aware of what's available, on and off

campus.

Although he is the editor-in-chief, Feron does not plan to write a regular editorial column. *The Beaver* will avoid political articles and controversial topics. It is planning to concentrate on reporting on what is going on during the next week rather than what has occurred during the last week.

Feron felt that the present *Beaver* staff learned a great deal from the first issue. Most of the staff had little or no previous experience with newspaper production. The next issue will come out on Nov. 16 and Feron hopes to enlarge the staff and organize the paper better by that time.

The permanent writing staff of the paper will probably consist mostly of editors. Feron hopes to get most of the copy for *The Beaver* from people who are particularly interested in a subject, write about it, and submit it to the editors. The editorial policy is not set and Feron feels that most stories will be edited only for correct English usage, not for a journalistic style.

As a result, he believes that "stories will reflect, to a much greater extent than the other campus papers, the interests, impressions and even the bias of the people who write them." This also means that many people will only write one story for *The Beaver* and therefore the news staff will be constantly changing. Feron thinks that only time will tell whether the paper will receive enough copy under this system.

The Beaver is using the production shop at *thursday* to turn out the paper. Besides the use of their facilities *thursday* is also training *The Beaver's* production staff which is totally inexperienced. They

(Please turn to page 3)

In case you were wondering . . .

Lefties: fewer than you think

By Robert Steinberg

Contrary to the preconceptions of many MIT students, the Institute does not have an abnormally high percentage of left-handed people.

notes

* (Notes are not guaranteed to run. When space is available, official Institute notices have highest priority, followed by other MIT notices, with off-campus notices having the lowest priority. Within each category, free events will be listed before others. Importance and timeliness are also considered.)

* Students may obtain final examination schedules at the Information Center, Room 7-111. Examinations not listed or a conflict in examinations such as two examinations in the same period, must be reported to the Schedules Office by Wed., Nov. 23.

* Students interested in applying for 1978 R/O Coordinator should contact the FAC office as soon as possible. Applicants must submit a paper dealing with an R/O related problem by Mon., Nov. 14.

* On Sat., Nov. 12 at 4:19pm, weather permitting, the Institute turns into a sun temple. Just before sunset the sun shines directly into Lobby 7 through the main corridor and out to the Dreyfus Building. This should be a spectacular event.

* Families who would like to share Thanksgiving with students should contact Mrs. Daniel Ray at 749-3202 or Mrs. Robert Berg at 862-8690. Students interested should contact their dorm advisors, frat presidents, or the FAC, Room 7-103 by Mon., Nov. 14.

* Free copies of Essays from the Technology and Culture Seminars will be available at the Humanities Library (14S-200) Nov. 7-9.

* The EECS Stu-Fac Comm. is sponsoring a tour of DEC on Mon., Nov. 14 at 1pm. A signup list will be available in Room 38-494. Enrollment is limited; DEC is a VI-A Co-op company.

A survey by *The Tech* of 100 MIT students found 93 right-handed people, 5 left-handed and 2 ambidextrous students. This percentage of lefties is, in fact, probably lower than the percentage of lefties among the general population.

The exact percentage of left-handed people in the United States is unknown. Estimates range from one percent all the way up to 30 percent.

The major reason for this uncertainty is that there is no universally accepted definition of left-handed. Some people write with one hand and eat with another. Are ambidextrous people considered to be right-handed, left-handed or neither? What percentage of things does one have to do left-handed to be considered a southpaw?

For these reasons and others it is virtually impossible to determine what percentage of any given group is left-handed. One thing that can be done, though, is to ask people whether they are

right-handed or left-handed. While this does not necessarily give an accurate count of how many people are left-handed it does provide a reasonably good method of comparing the left-handed percentage of one group with that of another group.

One such survey of 5,800 *Newsweek* readers in 1962 found that 85 percent of those surveyed were right-handed, 13 percent were left-handed and two percent were ambidextrous.

Those people who feel that MIT has an abnormally high percentage of lefties generally seem to feel that this is so because MIT students are more intelligent than the average. If smarter people are more likely to be left-handed there might be a critical flaw in *The Tech's* survey. The survey was conducted almost entirely in Lobdell Dining Hall during lunch time over the weekend. And, as everyone knows, nobody with much intelligence eats in Lobdell Dining Hall, especially over the weekend.

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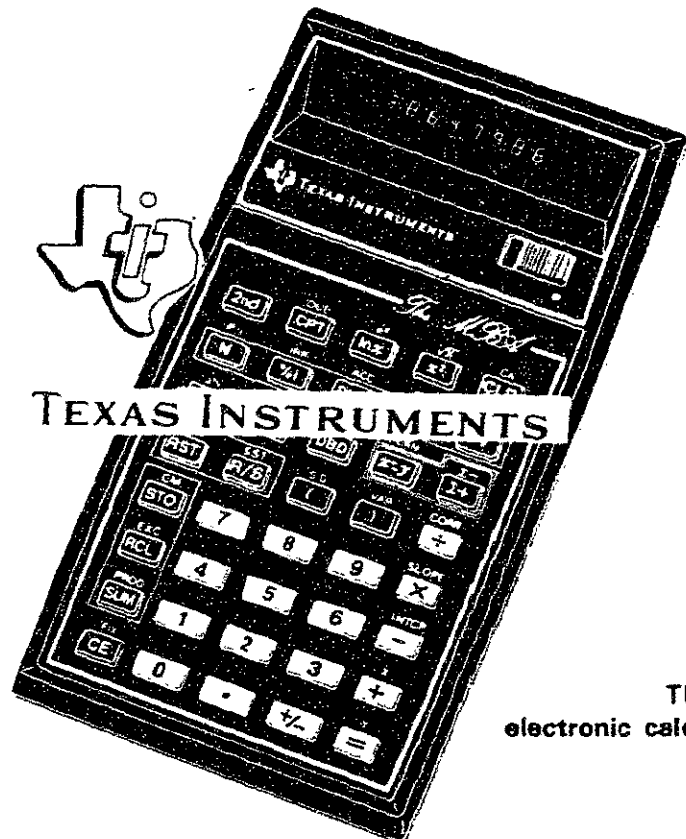
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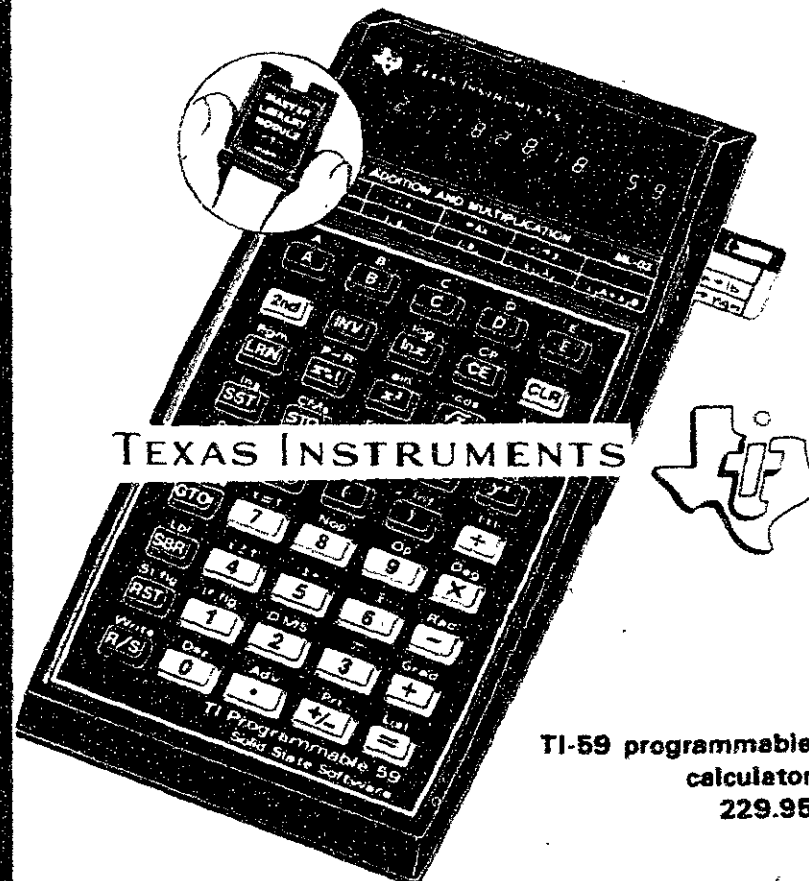
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news roundup

World

New obstacle to Rhodesian peace — Despite encouraging remarks by Field Marshal Lord Carver, the British-appointed administrator, his talks with Rhodesian Prime Minister Ian Smith have reached no agreement. The difficulties center on the transition period to majority rule, particularly the composition of security forces, the scope of interim British rule, and the content of the new constitution.

Archbishop freed — The Israeli government released Archbishop Hilarion Capucci on Sunday, commuting his twelve year sentence to the time he has served. Capucci, the spiritual leader of the mainly Arab Christians in central Israel, was arrested in 1974 on charges of arms smuggling. His release came in response to a direct appeal to president Ephraim Katzir by Pope Paul VI. This appeal may indicate a change in policy toward Israel, which the Vatican has not yet recognized as a nation.

Nation

Floods kill ten — Flood waters in the Blue Ridge area of North Carolina claimed ten lives yesterday. Governor James Hunt declared the area a disaster area.

Oil price increase likely — A five percent increase for crude oil from the Organization of Petroleum Exporting Countries (OPEC) will be announced by a ministerial session scheduled for next month, according to a report in *The Middle East Economic Survey*. The increase would raise gasoline prices in the United States by at least 1.5 cents per gallon.

Georgia dam breaks — A 35-year old earth dam on the Toccoa Creek in Georgia broke early Sunday morning killing 38 people and injuring 45 others. Most of the dead and injured lived in a trailer park on the campus of Toccoa Falls Bible College. Two people are still missing and presumed dead. Upon hearing the news, President Carter sent his wife Rosalynn to the stricken area. He has also declared the flooded area eligible for federal disaster aid.

Guy Lombardo dead — Guy Lombardo died at the age of 75 in a Houston hospital. Lombardo is most famous for greeting the new year with his Royal Canadian Band for the past 48 years. During the late 1920's and early 1930's the Royal Canadians were an innovative force in dance music and they have continued to be popular ever since.

Carter rescheduling world tour — According to Press Secretary Jody Powell, President Carter is planning on making his delayed visit to foreign leaders sometime after Christmas. The reason given for the delay is the long time it is taking to move the administration energy program through Congress. The meeting yesterday of the Senate-House Energy Conference Committee accomplished little but Senator Henry Jackson (D-Wash.) voiced hopes that the three week break taken by the rest of the Congress will cause the committee to speed matters up.

Local

Taxi's black deposit challenged — The Suffolk Superior Court has issued a temporary restraining order against Towne Taxi, banning its practice of asking for deposits from black passengers before the taxi will enter a black neighborhood. The Massachusetts Committee Against Discrimination is investigating this matter further and will if necessary take the case before a full public hearing.

News Analysis

Prospects of *Beaver* examined

(Continued from page 1)

are however, quick students and have learned enough to do almost the whole production of the second issue. Roselli does not see any conflicts with *thursday* since *The Beaver* will be produced on Monday night after *monday* is out and before work starts on *thursday*.

In succeeding issues *The Beaver* hopes to better coordinate the photography staff and increase the number of pictures printed. Feron maintained that the staff includes good photographers and most have darkroom experience.

The main problem facing any fledgling newspaper is that of finding enough money to operate. Beyond the initial capital invested each issue needs a certain amount of advertising to pay for itself. Although entry costs are lower now because printing technology is cheaper and more available, *The Beaver* will have to compete with three established newspapers in a finite ad market.

For its first issues *The Beaver* received grants of \$500 from the Activities Development Board (ADB) and a \$300 from the student government Finance Board (subject to Association of Student Activities approval). These grants can cover the

costs of the first two issues without advertising. The grant from the ADB was to cover expenses for capital equipment but an exception was made because it was cheaper to pay production costs rather than buy an entire new set of equipment, according to Feron.

Feron does not foresee any real problems in obtaining advertising. He pointed out that *The Beaver* is well-suited to local advertising, being distributed on three campuses and having a weekend and an entertainment section that relates to advertisers. He also cites lower production costs and an extremely competent business staff as other factors in favor of *The Beaver*.

The Beaver is drawing its staff from Wellesley and Simmons as well MIT. The response at Wellesley has been very good so far, according to Feron, but the response from Simmons was not as good as expected, in part in reaction to the article by two Simmons girls on a checklist for MIT men.

So far *The Beaver* has "run on energy rather than experience," said Feron. He added that he wants to keep it that way because he feels the result will be an innovative and interesting newspaper that students will enjoy reading.

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opinion

Congress debates forced retirement

By William Lasser

Legislation currently pending before the United States Congress could have profound effects on the future of higher education in this country.

The bills — H.R. 5383 and S. 1784 — would raise the mandatory retirement age for industry from 65 to 70. The Senate bill, however, would exempt university professors, and allow colleges to retire them at age 65.

The issue of an exemption has divided the higher education community and a tough conference fight is expected. Interests for teachers — The American Association of University Professors, the American Federation of Teachers (AFT), and the National Education Association — oppose the exemption, while groups representing universities have generally supported it.

Most groups support the general increase in the mandatory retirement age, and the Congress has responded by passing the legislation overwhelmingly. The House voted 359 to 4 in favor of the increase, and the Senate passed the measure 87 to 6. The only controversy was precipitated by the higher education exemption, which narrowly passed the Senate, 48 to 45.

The argument against exempting professors is fundamentally of the form "Why exempt anyone?" Albert Shanker, President of the AFT, was quoted in *Higher Education Daily* as saying: "If we're talking about age discrimination, there is no legitimate reason for ending forced retirement for other workers while keeping it for college teachers." He maintained that the exemption "needlessly penalizes an important part of the academic community."

It is a strong argument, because the legislation itself was predicated on a newly-discovered human "right to work." Several studies have shown that people are happier and healthier if allowed to work instead of retiring. If everyone else is allowed to work until age 70, opponents of the exemption argue, professors should be accorded the same right.

Actually, several groups are not covered by the current mandatory retirement of 65 and would not be under the new law — for example, Congressmen themselves and highly-paid business executives are exempted. There are special reasons why university professors should be exempted — or so universities and colleges have claimed.

The big reason is that the academic job market is so depressed that even with the retirement age at 65 young Ph.D.'s are finding it difficult to secure employment. Senator John H. Chaffee (R-RI), arguing for the exemption on the Senate Floor, declared: "We are talking about a separate group here. We are talking about tenured university professors, whose performance is not subject to evaluation. . . . We are talking about a group who are locked in."

Women and minority groups have generally supported the professional exemption. There are far more young women and blacks interested in academic careers than there are older women and blacks who are professors. "Congress is doing this at a terrible time," one female scientist noted. "Women and minorities only have a few slots to shoot for now."

But there is lingering suspicion among the teachers' lobby that mandatory retirement laws have been used as a way of subverting the tenure system — older professors cannot be fired but they can be retired. Raising the retirement age to 70 would help eliminate these less-than-noble motives.

Perhaps the controversy will be solved by making retirement more attractive to professors reaching the age of 65, or by instituting programs which allow professors to take a less-active role upon reaching that age. It is an issue in which good arguments can be made on either side — and a solution which leaves everyone better off should be sought.

The Tech

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Volume 97 Number 52
 Tuesday, November 8, 1977

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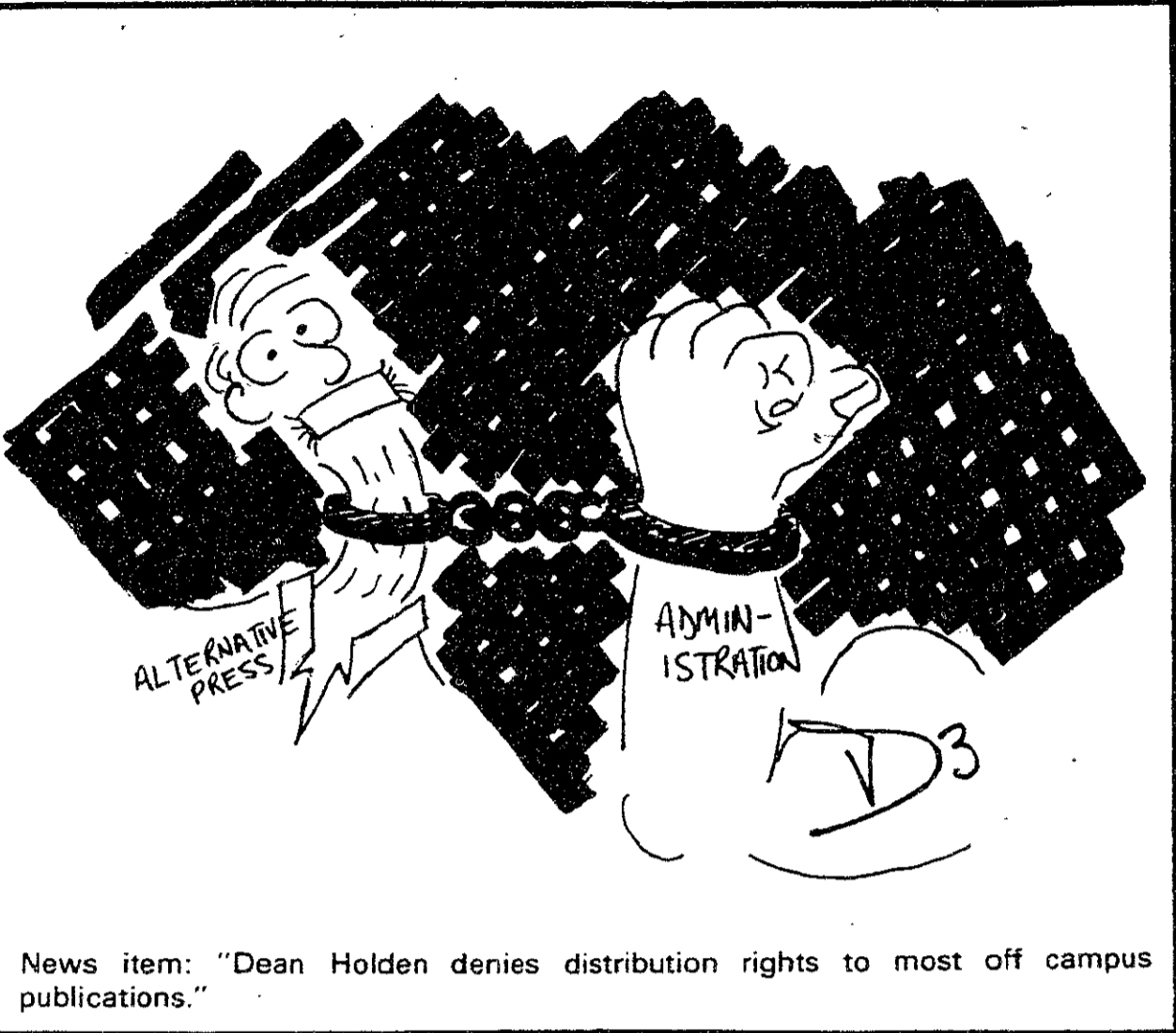
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News item: "Dean Holden denies distribution rights to most off campus publications."

MIT: most expensive college

By Bob Wasserman

MIT is now the most expensive undergraduate college in the country, according to *Mainliner Magazine*. The journal estimates the yearly cost of attending MIT at \$7,950.

Mainliner Magazine's survey lists Harvard University second highest with a cost of \$7,650 per year, and the remaining top ten most expensive colleges include Princeton, Columbia, and Yale. All schools included in the first ten are located in the Northeast, except ninth-rated Stanford University.

The nation's most expensive schools have kept their relative ranking by cost over the past years, but these annual expenses have risen dramatically. There is no relief in sight from these increases, either, as tuition and living costs will continue to rise. Despite a considerable decrease in MIT's budget deficit for this year, tuition will once again rise by seven percent.

Is it worth it? Every college student has asked himself this question during the course of his college career, in an attempt to rationalize the additional cost, time, and difficulty of obtaining a college degree.

Monetarily, this is a tough question. Polls conducted by the American Council of Education have shown a majority of college students acquire degrees "for the money." The cost of four years of college this year's incoming freshman might expect to pay is a considerable sum, between \$30,000 and \$35,000. Besides this cost, a student must consider the amount of income lost from delaying his permanent employment by going to college, which could be as much as \$40,000 to \$50,000. Whether the college graduate will recover these losses after entering the job market is uncertain. However, with the number of college degrees rising each year, skilled jobs require higher and higher degrees for the job-seeker to be competitive.

Monetary considerations of a college degree can be easily figured, but other benefits from

four years at a school like MIT are harder to measure. College gives students time to mature and prepare for the future as well as offers a student the opportunity to learn from people with quite diverse backgrounds, especially at MIT where students come from all fifty states and many foreign nations. It is ironic at MIT that many students who complain bitterly about tuition raises fail to get their "money's worth" from cultural and extra-curricular activities.

Howard R. Bowen, a professor at Claremont Graduate School, discusses many benefits of a col-

legiate education which cannot be measured monetarily in his recently published work "Investment in Learning: The Individual and Social Value of American Higher Education".

Bowen reports the breakdown of traditional sex roles which occurs in college, as college-

educated men look more favorably upon women's lib and are more willing to help with housework, and college women deem "masculinity" in men less important.

Attitudes toward child raising are also greatly affected by college as Bowen writes: "College-educated parents devote more time to their children than other parents do." Bowen also cites a 1972 study which found the parent's education a better predictor of college attendance than parental income.

College develops excellent consumer habits in an individual, as graduates spend more on housing, reading and education, and less on food, tobacco, and alcoholic beverages.

Bowen even goes so far as to conclude: "Educated people are, on the average, more health than other people." Granted that most of the surveys on education and social values were conducted by college graduates, nevertheless, these assets of a college education are more important than any monetary gain.

perspectives

feedback

Message to MIT walkers: Keep off Kresge grass!

To the Editor:

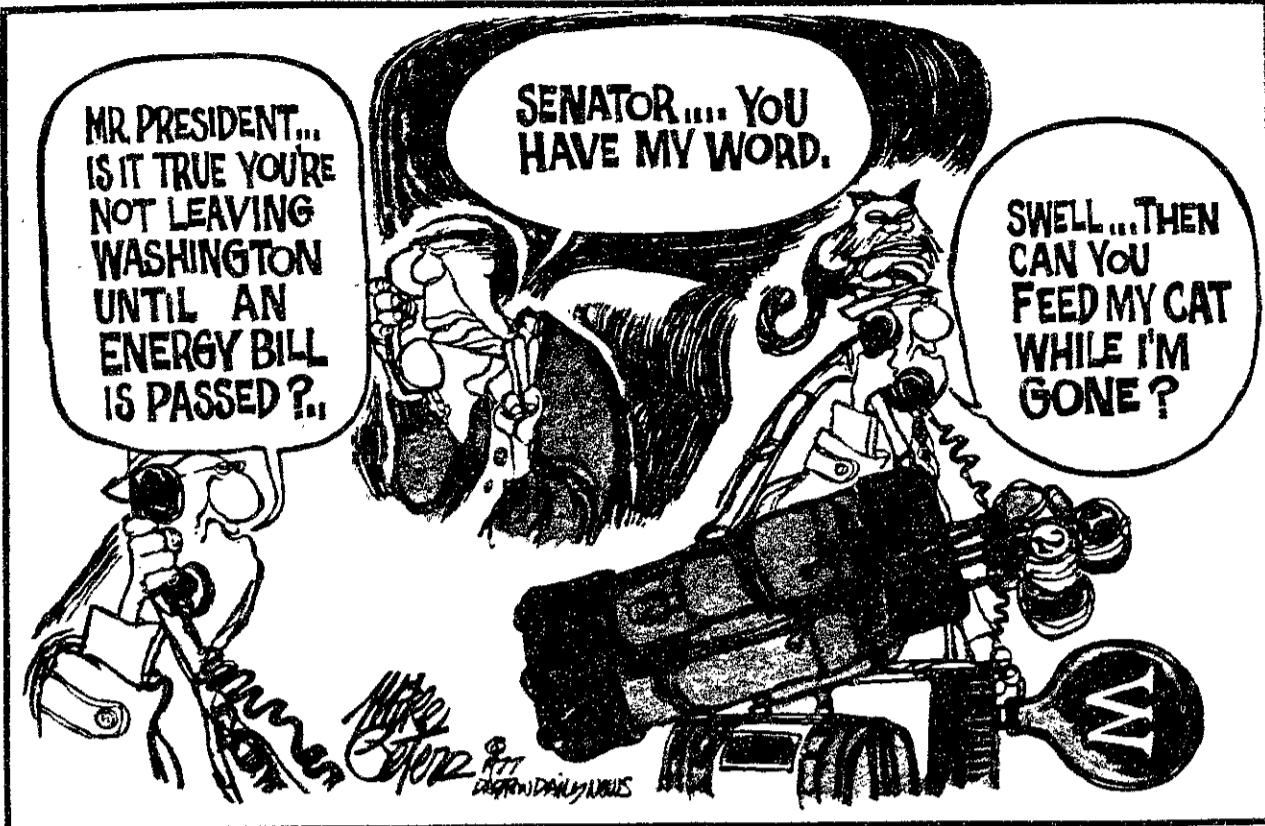
Autumn is once again with us. In this city of asphalt, concrete, and chromium (not to mention "transparent" cast iron), the passing of the seasons is mostly a matter of shorter days and longer problems sets. Were it not for the few oases of trees and grass that persist amongst the enormous expanses of grey, the seasons would progress largely unnoticed by the preoccupied masses. In view of the scarcity of these areas, one would think that their sanctity would be respected by MIT students, many of whom are from less urban regions. Apparently, this is not the case.

Witness the multitudes of time-conscious, calculator-wielding academics who regularly trample across Kresge Terrace, like so

many cud-starved ground sloths, in order to cut a few seconds from their busy schedules. It would seem that where there is no concrete, we must create the best substitute by systematically eliminating those few blades of green that stand in the way of asphalt inundation. We must not deviate from the optimal path to the Institute, lest we be suspected of holding in any regard the concept of beauty together with our habitual pursuit of truth. I appeal to those residents of the west campus with tight schedules: Plan to leave 5 or 10 seconds earlier and use the paved walks around Kresge. Some day, you may come to enjoy the view.

Kerry Emanuel '76
 November 1, 1977

opinion cont.



classified advertising

SAI is interviewing on Monday, November 14, for scientists, engineers, systems analysts. See ad in this issue, or call 253-4733 for an appointment.

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arts

MTG's *Brigadoon* is a delightful show

By Leigh J. Passman

The MIT Musical Theater Guild's season opening production of *Brigadoon*, is a vivacious and heartwarming presentation of musical theater.

Brigadoon, Lerner and Loewe's award-winning Broadway play, is an escape to a land of simplicity and love, a chance to leave behind a world of pressures and concerns.

Brigadoon is a Scottish highlands town stumbled upon by two New Yorkers, Tommy (Eric Caplan '80) and Jeff (Dave Waggett '81). *Brigadoon* is enchanted, it appears for only one day every hundred years.

As the town prepares for the wedding of Charlie (Jon D. Brothers) and Jean (Gayle Ehrenhalt '78), Tommy meets and falls in love with Fiona MacLauren (Lynn Sanker) as Meg Brackie (Deidre Alexander) pluringly chases after the aloof Jeff. The plot revolves mainly around these three



Harry Beaton (Jerry Stringham '81) dances the intricate Sword Dance at Jean MacLauren's wedding

relationships and climaxes in Tommy's emotional decision to stay in or leave *Brigadoon* forever.

Brigadoon is filled with music and dance, mostly in the Scottish tradition. The singing, which was excellent, literally made the show. Charlie flawlessly sang an exuberant "I'll Go Home with Bonnie Jean" and a delicate and sensitive "Come to Me, Bend to Me." Tommy and Fiona's "The Heather on the Hill" and "Almost Like Being in Love" were both beautiful.

Meg titillated the audience with a vivacious and rowdy "My Mother's Wedding Day." The orchestra which was conducted by Paul Jensen, complete with bagpipes, was quite good.

The quality of the dancing was mixed. The majority of the group dancing, choreographed by Claude Boyd, was extremely well coordinated, especially the Wedding and precision Sword dances. The problems arose on several of the individual dance parts. Some moves were slightly rushed which yielded faults in timing with the score. One exception, however, was Maggie (Grace Napier '80) whose beautifully performed *Funeral Dance* was both graceful and emotional.

Francis Piatti's extensive costume design was extremely good. Costumes were varied, colored, and highly appropriate.

Gary Jennings met the challenge of Kresge Auditorium's wide stage, with its absence of flies (high vertical space above the stage) with stunning and functional sets.

Lighting design, predominantly soft, was not impressive, but adequate for mood. Several lighting cues on the opening night were also missed.

One should not pass up this opportunity to see this *brawlie* delightful musical comedy! A high quality production of *Brigadoon* may not be back to MIT for one hundred years.



Fiona MacLauren (Lynn Sanker) and Meg Brockie (Deidre Alexander) discuss the possibilities of falling in love with the two American strangers.



Tommy Albright (Eric Caplan '80) and Fiona MacLauren sing "It's Almost Like Being in Love."

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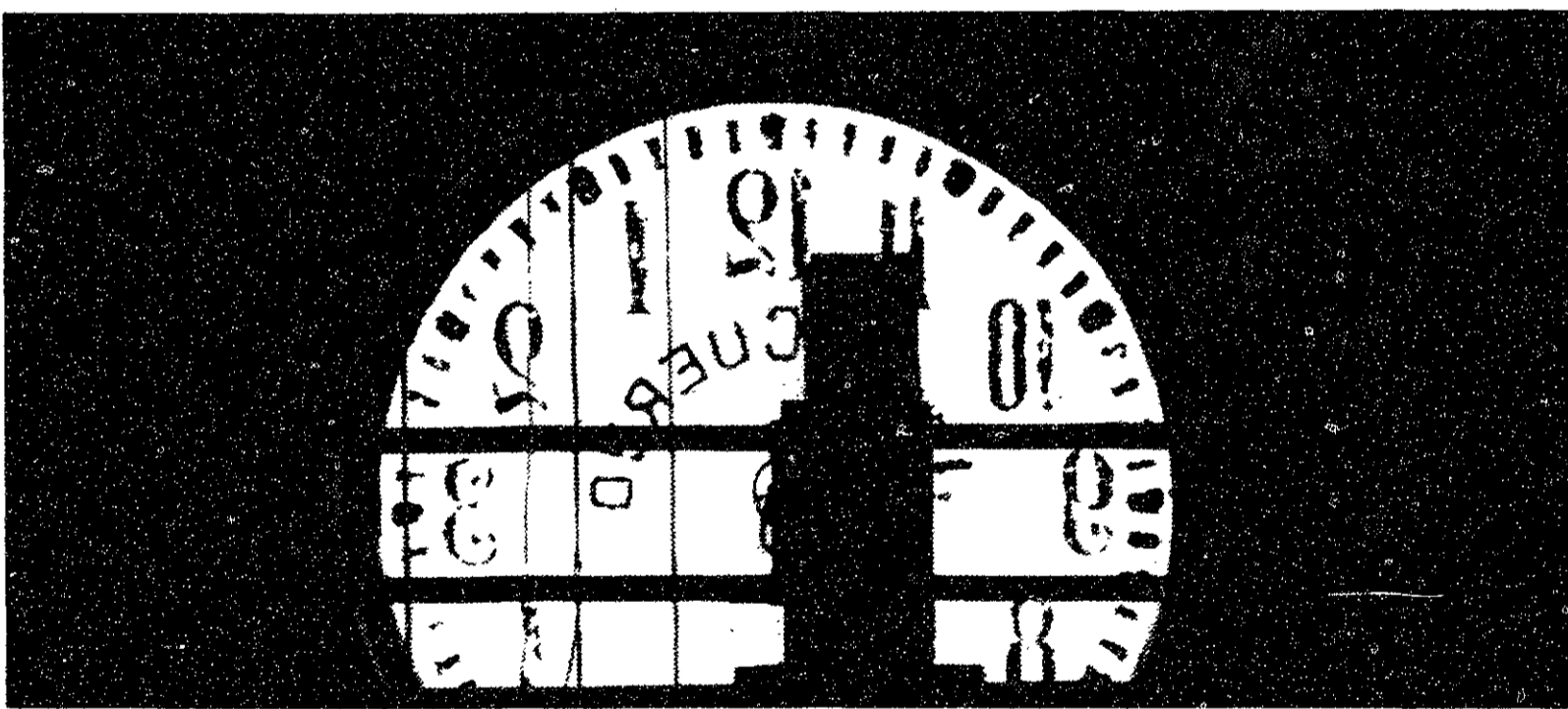
KINO INTERNATIONAL FESTIVAL
Joseph Losey's **THE SERVANT**
5:45 9:35
with Dirk Bogarde
screenplay by Harold Pinter and
Ingmar Bergman's
THE SEVENTH SEAL
7:50 Wknd Mat 4:05
with Max Von Sydow and Bibi Andersson

CENTRAL SQUARE CINEMAS
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CINEMA I
Elliott Gould as Phillip Marlowe in Robert Altman's
THE LONG GOODBYE (1973)
5:35 9:30
and
Robert Montgomery as Phillip Marlowe in
LADY IN THE LAKE (1946)
7:35 Wknd Mat 3:40

CINEMA II
TWO HEPBURN CLASSICS
Howard Hawk's **BRINGING UP BAY**
6:00 9:35
with Cary Grant and Katherine Hepburn
and
STAGEDOOR
7:50 Wknd Mat 4:20
with Katherine Hepburn and Ginger Rogers

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arts cont.

Cartoon festival good

The Golden Age of Animation, playing at Off the Wall, 861 Main Street, Cambridge, through November 15.

By Paul Hoffman

The Golden Age of Animation is a collection of classic animated films which were made mostly before 1940; some films date earlier than 1910. These "golden age" cartoons are products of the era when animators were interested in developing new artistic techniques rather than succumbing to commercialism.

Off the Wall is known for its excellent film festivals, and this one is no exception. It consists of 13 shorts which run for about an hour and a half. Most of the shorts in this collection rely on the novelty of the medium than on the gags themselves.

Many of the shorts are individually superb. Two five-minute ads by Len Lye are dazzling combinations of music and color blended around live action silhouettes.

Little Nemo is one of Winsor McCay's famous pieces which actually involves him in the movie itself.

The film festival also includes Fantasmagorie, the third cartoon ever produced, and The Red Spectre, a 1903 live-action trick photography movie with hand-painted color.

The visual highlight of the evening is the last piece, Composition in Blue, a short animation comparable to Yellow Submarine although it was produced thirty five years earlier. The festival also includes a modern piece, The Nose, which utilizes the pinboard, one of the most creative additions to recent animation.

The Golden Age of Animation is well worth seeing both for its historical value and for its visual brilliance. The amount of creative diversity shown in the collection is surprising when one compares these films to the Saturday morning cartoons now shown.



Sean MacLauren (Gayle Ehrenhalt '78) and Charlie Dalrymple (Jon D. Brothers) dance with the guests at their wedding.



Bonnie Mason '79 and Chip Rabinowitz '81 dance a highland fling

Gordon Hall

Gordon Hall

events

The Early Music Series at the Boston Museum of Fine Arts will be presenting a concert entitled "Chamber Music of J.S. Bach" on Wed., Nov. 16, at 8:30pm. Student tickets (\$2.50) can be ordered from

In last Friday's issue of The Tech, the rating of the movie Heroes was inadvertently omitted. The correct rating is one turkey, very good.

Musical Instruments Collection, Museum of Fine Arts, Boston MA. 02115.

The Lyric Stage will be presenting Harold Pinter's The Caretaker on Wed., Fri., and Sat. evenings at 8pm through Dec. 10. Tickets are \$4.00 and \$4.50 and student discounts are available. For reservations and information call 742-8703.

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The Tech

By William Lasser

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In fact, some of our staff
 couldn't even speak English
 when they first came to us.

Mel Practiss Pre-med Student



©1977 Miller Brewing Co., Milwaukee, Wis.

Can't miss him on campus, always wears white.
Constantly being sought after by freshmen and transfer students who mistake him for ice-cream man.
Mel drinks Lite Beer from Miller because it's less filling. Can't afford to get filled up.
At last count he was in charge of 114 mice, 137 frogs and 240, uh...480 rabbits.
Spends spare time in library analyzing stitching on medical books.

Lite Beer from Miller.
Everything you always wanted in a beer. And less.

The 23rd psalm for engineers

Editor's note: Today an engineer is a studious person whose writing ranges from lab reports to grocery lists. Back in the 1930's engineers wrote much more; they tended to wax poetic. (Reprinted from April, 1934.)

Verily, I say unto you, marry not an engineer.

For an engineer is a strange being, and is possessed of many evils.

Yea, he speaketh eternally in parables which he calleth formulae.

And he wieldeth a big stick which he calleth a slide rule.

And he hath only one bible, a hand book.

He thinketh only of stresses and strains, and without end of thermodynamics.

He showeth always a serious aspect and seemeth not to know how to smile, and he picketh his seat in a car by the springs therein and not by the damsels.

Always he carrieth his books with him, and he entertaineth his sweetheart with steam tables.

Neither does he know a waterfall except by its horsepower, nor a sunset except that he must turn on the lights, nor a damsel, except by her live weight.



Verily, though his damsel expecteth chocolates when he calleth.

She openeth the package to disclose samples of iron ore.

Yea, he holdeth her hand but to measure the friction thereof.

And he kisseth her only to test the viscosity of her lips.

For in his eyes there shineth a faraway look that is neither

Love nor longing — rather a vain attempt to recall a formula.

There is but one key to his heart and that is *Cum Laude*, and

When his damsel writeth of love and signeth with crosses, he

Takeh these symbols, not for kisses, but rather

For unknown quantities.

Even as a boy he pulleth a girls' hair but to test its elasticity.

But as a man he discovereth different devices: for he counteth the vibrations of her heartstrings; and

He seeketh ever to pursue his scientific investigations. Even his own heart flutterings he counteth as a vision of beauty, and enscribeth his passion as a formula.

And his marriage is as a simultaneous equation involving two unknowns and yielding diverse results.

Verily, I say unto ye, marry not an engineer.

— Rensselaer Polytechnic.



Last Saturday jugglers from all over the east coast converged on the Sala de Puerto Rico in the Student Center.

Police Blotter

(The Police Blotter is a report written by the Campus Patrol on crimes, incidents, and actions on the MIT campus each week.)

Student Robbed on Drive

A freshman walking alone on Memorial Drive shortly after midnight Thursday morning was assaulted and robbed by an armed assailant. While making his way toward Mass. Ave., the student was stopped by a black male, 25-28 yrs, 5'10", 175 pounds, navy blue waist length woolen jacket, and dark pants. His head and most of his face was covered by a dark gray ski hat and mask. The assailant poked a knife against the small of the student's back and demanded his money. Taking the victim's \$25 cash, the robber jumped into a white two-door sedan operated by an accomplice and fled west-bound on Memorial Drive. The operating method of these bandits is to quietly follow a targeted person, and then one of their pair will conduct the actual holdup while the accomplice operates the "getaway car."

Darkness Aids Crime

Incidents like the one described above serve as reminders that darkness is the natural ally of street criminals. Deprive them of it, and help insure your own safety by walking at night only in well lighted areas. Even if the lighted route is somewhat longer, your individual safety makes it well worth the ex-

tra steps. This is especially true in the Memorial Drive area, where nighttime robberies of lone pedestrians frequently occur.

East Campus Larceny

The larceny of a calculator, a radio, and around \$65 cash was reported late last week by the residents of an East Campus dorm room. The room was left open and unattended at the time of the reported larceny.

Dorm Security Reminder

We wish to remind all campus residents to be especially careful to safeguard against strangers wandering through living areas.

The recent rape of two undergraduate women in a Harvard dormitory room by two men who followed them in off the street, and a recent armed robbery by two men in a Brandeis dormitory demonstrate the dangers involved in permitting strangers to wander unchallenged in residence halls. Exterior building doors should be kept locked during the hours of darkness. People on duty at lobby desks should be careful to admit only residents and their authorized guests. And residents should keep an eye-out in their own areas to guard against uninvited visitors. Anyone in any doubt should call Campus Police immediately (x3-1212).

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 UMOC Candidates: Bring your slushfunds, see the money go twice as far for the American Red Cross!

Random Hall, 10pm, tomorrow.

The Tech supports J. Arthur and his Randoms as the Ugliest Man on Campus.

 sufficient funds to meet offer are on deposit with Coolidge Bank and Trust of Watertown, Mass.

sports cont.

Winning season first in 13 years for soccer

By Tom Curtis

On November 7, 1963, the varsity soccer team ended a 5-4-2 winning season by tying Boston University, 4-4. For the next 13 years, however, the story of the soccer team was one of frustration as the team had 13 straight losing seasons. Saturday, the frustration ended. MIT beat Coast Guard 2-0 and finished with a 7-6 winning season.

The team's 7-6 record does not seem very impressive until one considers the facts surrounding this season. First, the team's defense allowed just 14 goals. Only three teams (Clark, WPI, and Tufts) scored more than one goal against MIT.

Second, four of the team's six losses were 1-0 shutouts. Only WPI beat the Beavers by more than one goal.

Third, the schedule included three games against Division I schools. MIT defeated Holy Cross while losing to Boston College and Boston University by one goal.

Finally, MIT played several of the very best Division III colleges. In the greatest upset on the MIT sports scene since the baseball team beat Harvard two years ago, the

foul shots

MIT booters belted Brandeis, the defending Division III National Champions, 2-1 in double overtime. The team also gave a valiant effort against Babson, the current Division III front runner. Babson's Beavers took a 1-0 victory over MIT's Beavers early in the season.

The Beaver defense — particularly goalie Jamie Bernard '79 — deserves much of the credit for this fantastic season. Bernard's performance this season has been nothing less than spectacular. Many times Bernard was called upon to make difficult saves, and many times he was equal to the task. Even one-on-one, the opposition had problems scoring. Bernard was responsible for all four of the team's shutouts. Only Tufts scored more than once against him.

Halfbacks Robert Currier '79, Mike Raphael '79, and Luis Boza '79 and fullbacks Paul Thompson '79, Tom Theurkauf '79, Bob Sullivan '79, and Jeff Tyrrell '80 exhibited strong defensive teamwork by keeping the ball from reaching Bernard much of the time.

While the MIT defense was of a high caliber, the Beaver offense was less than overwhelming. Five times the Beavers were shut out. In all, the Beavers scored only 20 goals, five of them in a game against ULowell. When the offense did get moving, though, Zanda Ilori '79 was the one who provided much of the team's offensive punch. Ilori scored or assisted many of the team's goals.

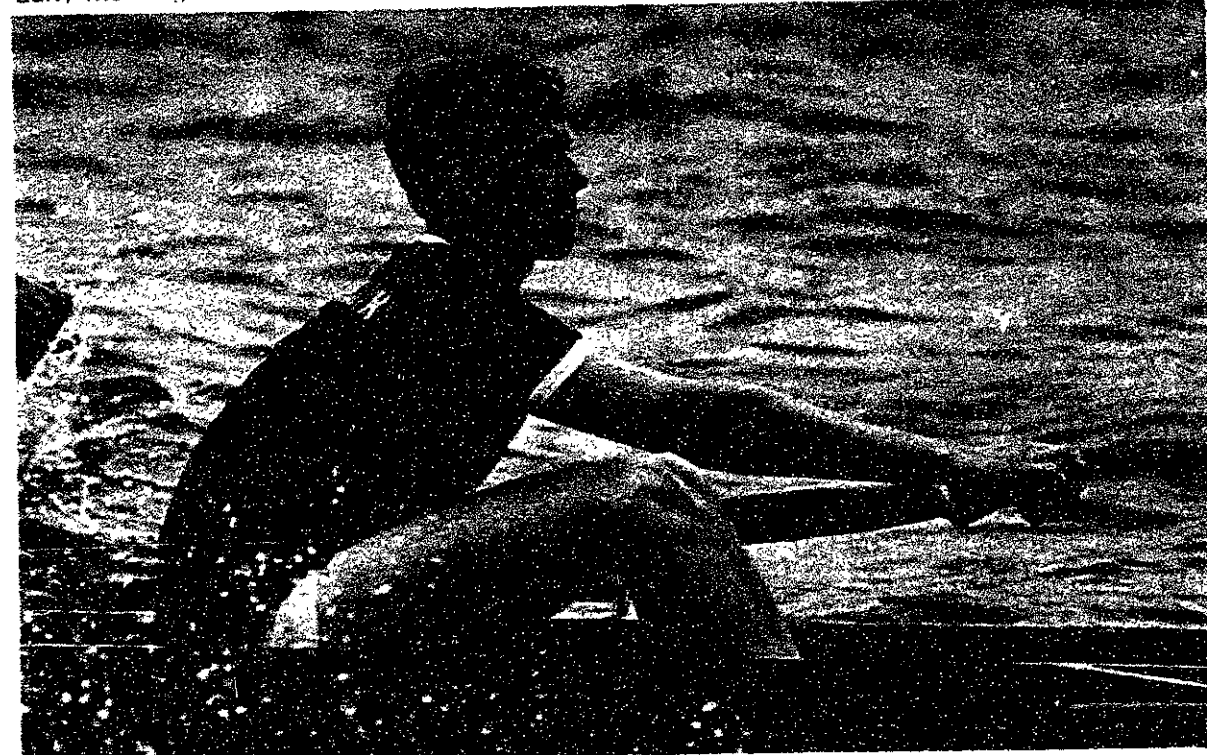
One other person deserves credit for the Beavers' performance. He is third year coach Walter Alessi. Alessi took over the team after its pitiful 1-10-2 season in 1974 and transformed MIT into a winner.

The team's future appears bright. Only senior Rich Okine will be leaving the team. With a strong core returning, the Beavers should be able to do even better next year and — if the team can strengthen its offense — may be a contender for a bid to the Division III playoffs next year.



Gordon Hall

Early morning races did not draw well.



Gordon Hall

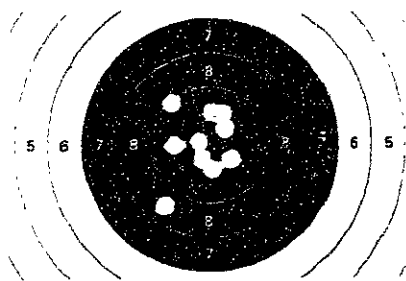
Crews work hard in annual IM events of Class Day.

Rifle wins Sat. vs. USCGA, URI

(Continued from page 11)

for shooters under 19 years old.

In the Air Rifle competition, the winner was L. Ramely of Wilbraham with a tight 727 out of 800. Martin Serrine '81 topped the Master class with a 601, while Zelt came through again to win the Expert with a 708. That score earned him the title High Junior



once more. MIT's virtual monopoly was finally shaken by two shooters from Barre, VT, R. Brousseau, who took first sharpshooter with a 702 and D. Goulette, whose 657 topped the marksman class.

On November 19 and 20, the MIT squad travels back to Norwich to take on all seven teams of the New England Collegiate Rifle League.

score board

Tuesday

BU 1 Soccer 0

Saturday

Soccer 2 Coast Guard 0

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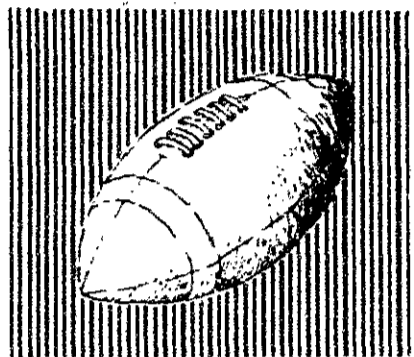
sports cont.

Tampa to keep looking Cowboys to stay perfect,

By Drew Blakeman

Baltimore 23, Buffalo 9 — The Bills' Jim Ringo may have saved his coaching job for one more week, but he won't have it for long.

Atlanta 13, Detroit 7 — Match the league's best defense with the league's worst offense, and you'll have a close approximation of the Falcons.



Pittsburgh 27, Cleveland 17 — It looks as if the Browns are going to be washed out of the playoff picture.

Los Angeles 31, Green Bay 16 — If Bart Starr doesn't watch out, he'll be the next unemployed ex-coach.

Cincinnati 10, Minnesota 6 — The Vikings' points won't come from Fred Cox's anemic leg.

Miami 27, New England 23 — Playing in the Orange Bowl seems to bring out the best in the Dolphins.

San Francisco 34, New Orleans 19 — How's this one? After losing their first five games, the 49ers win their next nine and get into the playoffs.

Denver 22, San Diego 17 — The Broncos still expect to win their division.

Oakland 33, Houston 12 — But the Raiders may have something to say about that.

Washington 23, Philadelphia 7 — It's now time for the Redskins to make one of their patented playoff drives.

Chicago 10, Kansas City 7 — The Chiefs are good, but they aren't that good.

New York Giants 32, Tampa Bay 7 — The Buccaneers may never, ever win a game.

Seattle 29, New York Jets 28 — Not having Richard Todd will make the difference here.

Dallas 27, St. Louis 7 — This is about as close the Cowboys are going to get to losing a game all season.

This week:	9-5	.643
Season:	75-37	.670

Rifle team loses close opener

By Margot Tsakonas

The MIT varsity rifle team opened up its collegiate season on October 30 with a match against Norwich University at Norwich, Vt. Norwich is traditionally a tough opponent, and the match scores were close, with MIT firing a 2178 to Norwich's winning 2196. Firing for MIT were co-captain Alan Marcum '78 (553), Fred Zelt '81 (545), Charles Bright '79 (540), and Ray Swartz '78 (540). High man in the meet was David Fernandez, from Norwich, with an impressive 567. ((All individual scores are out of a possible 600 points; team scores are the sum of the four top shooters.))

This past Saturday, however, the MIT "Red" team lived up to its reputation by defeating the U.S. Coast Guard Academy and the University of Rhode Island (URI) at the Coast Guard Academy. Scoring for MIT were Marcum (551), co-capt Joe

Lipowski '79 (548), Swartz (540), and Paul Hartung '80 (544) adding up to a 2183 to the Coast Guard's 2127 and URI's 2083.

Three weeks ago, on October 23, MIT hosted its regular open Monthly Match. Winner of the Open in smallbore was Jerry Dausman, a graduate student at Sloan, with a high of 565. In the

combined Master, Expert, and Sharpshooter class, T. Curtiss of Marblehead clinched the lead with a 534, while in the Marksman class, Hartung fired a 539 to snatch first place away from Zelt who fired a 536. However, Zelt had the honors as High Junior, which is a division (Please turn to page 10)

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Dear Mom and Dad,

Things are swell here at college except, of course, the food, which is so bad that I'm down to 91 lbs. living on salted water sending samples to the biology lab hoping you'll buy me a prepaid Trailways ticket home to get a decent meal.

I sure could go for some of Mom's good ol' apple pie Riz de Veau à la Financière blood transfusions Trailways tickets paid for at your local station and picked up at mine.

Dad, next time we get together, I want to tell you about my part-time job how I suddenly realized what a truly wise and magnanimous fellow you are where I left your car last New Year's Eve thanks for making this trip possible with a prepaid Trailways ticket.

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Class Day troubled with no. of entrants

By Gordon Haff

On the cloudy, pre-dawn Charles River last Saturday, the first of 107 crew shells left the docks outside the boathouse. Faint illumination was provided by the boathouse bulbs and the dim light which filtered through the clouds. Only the one or two spectators who had somehow managed to pull themselves out of bed at 5:30 could be seen standing around.

The above describes the start of this year's version of Class Day, an event whose raison d'être to most people's way of thinking is to provide the MIT student who doesn't row crew with the opportunity to get out on the river in a crew shell with his living group or activity. Those who don't want to row enjoy the opportunity to cheer their team to victory or defeat.

It would seem that this definition of Class Day and the manner in which it was run this year are at odds with each other. Few spectators appeared until 9 or 10am by which time most of the Junior 8 races had been run.

One of the reasons for the ridiculously early start was the running of two exhibition races in the middle of the day. These two races took over two hours — they were scheduled for 1½ hours — while the Junior 8's were running in fifteen minute intervals. When Corey Chaplin '79, co-commodore of the boat house, was asked about these exhibition races, he said "I was opposed to them from the beginning." When queried about the possibility of running the exhibition races at a different time, thus allowing the Junior 8's to run at a reasonable time, he responded, "We figured that if we ran them in the middle of the day we would be able to get them over with in their scheduled hour and a half. On the other hand, if we ran them [the exhibition races] at six o'clock in the morning, people would probably show up late and they would take a lot longer to complete. With the Junior 8's if a team is late, it's easier to say 'you're late so you can't complete.'" It is apparent to this writer that something is very wrong when a couple of exhibition races can be allowed to completely ruin the schedule for the majority of the student races. If there must be exhibition races, start the students' races at a reasonable time in the morning, say 8:30, run all the student competitions, then run the exhibitions after everything else is over. They may have to run in pitch blackness but the 6am races were no better off.

Another possibility suggested to Chaplin in order to handle the record number of boats was to run it over two days to which he responded "We don't want to make it into a monstrosity." When asked to clarify whether "we" were the rowers or the organizers, he clarified by saying "we" is the organizers, namely me." Pressed to give more specific reasons he added "I'd sooner consider finding some way of discouraging entries than run it over two days because the Junior 8's cause so much damage to the boats that I wouldn't consider encouraging more entries."

IM There was no significant damage to the boats during the races themselves. There was one fairly serious accident during practice the week before. However, it would seem that the number of additional entries which would be created by an additional day of races would not be significant and since the damage on a per boat basis is rather low, there would be a minor amount of additional damage created by this extra day.

In addition, if there is really so much concern at the boathouse about damage caused by Class Day boats there are more sensible solutions than limiting number of entries. For one, it would make a great deal of sense to ask that all boats have experienced coxwains. There are enough around. If the people in a boat look hard enough, they should be able to find one. With an experienced coxwain there is little chance of a major collision occurring. A second very reasonable requirement would be to require that all Class Day rowers be on the river in practice at least once during the previous week. This would eliminate having people who had absolutely no idea what is going on rowing against other boats.

The general attitude among those who run Class Day would appear to be that the Junior 8's are a necessity which have to be lived with but should be gotten out of the way as painlessly as possible. Considering that those who row in these boats are the majority of the campus — are those who pay for the varsity to row — there is no excuse for dealing with them in such an off-hand manner. Damage to boats is a very real and expensive problem which has to be thought about and minimized, but in a manner other than discouraging entries. On the other hand, exhibition races and simple inefficiency on the part of the organizers — although there are five docks many of the heats ran only four boats — are not excuses for interfering with the Junior 8's.

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Many enjoy Class Day success

By Helen Miyasaki

The largest Class Day ever was held on the Charles River Saturday by the MIT Boat Club. To accommodate the 104 entries in six events, it began at 6am and did not end until past 5:30pm.

Unofficially the races Saturday made Class Day the second largest crew regatta held in the United States, the Head of the Charles being the largest. There were 25 more boats than 2 years ago and more women par-

ticipated than ever before.

The Junior eights event had 68 entries and was won by ZBT. This event may include up to 2 experienced oarsmen and is, by far, the most popular.

The results of the other events: Elite fours, Baker; intermediate eights, TDC; men's senior eights, the coaches; mixed fours, Miller, Cole, Klass, and Gorman; and women's senior eights, Number Six Club.

The most exciting race was the

women's senior eights. McCormick's entry came in a close second, behind Number Six by only one seat.

"Everything ran very smoothly," said Cindy Cole, co-commodore of the Boat Club. "People were ready. In the past, [the races were delayed because] crews were waiting on the dock for one person."

Doug Looze and John Miller, women's crew coaches, were the starters, and Greg Chisolm kept everything organized on the docks. Most of the morning races ran on schedule and there were no major mishaps during the day. One rower caught a crab, however, and fell in the river. A teammate dove in after him.

"There were no collisions... and with so many boats involved, that rarely happens," Corey Chaplin, co-commodore, stated.

Class Day, like intramural sports, has grown past what can be handled comfortably by the MIT facilities. "We started at 6:00 in the morning so we would hopefully be through before dark, but the last event didn't begin until 5:30," added Chaplin. "Next year, we would like to encourage more people to enter the higher events." This would alleviate the pressure of sheer numbers in the junior eights.



"We don't want to turn it [Class Day] into a monstrosity."

Soccer splits two

By Bob Host

The MIT soccer team concluded its first winning season since 1963 with a 2-0 win over the Coast Guard Academy Saturday on two unassisted goals by Jim Atwood '79 after dropping a 1-0 decision to Boston University (BU) earlier in the week.

In the BU game on Tuesday, a goal early in the second half was all the scoring for the day as the first shot hit the crossbar and was saved by Jamie Bernard '79, but the follow-up beat Bernard on the right side and sent MIT to their fourth 1-0 loss this season.

Against Coast Guard, the Engineers "started slowly," according to coach Walter Alessi, and as in Tuesday's game, there was no score at halftime. The coach characterized the team's play in the first half as less than outstanding but adequate nonetheless.

In the second half, MIT got on the scoreboard with 8:25 left on Atwood's first goal of the season. He concluded the scoring with only two seconds left in the game. The second goal "was meaningless to everybody but Jim," according to the coach, although he noted that the team was jubilant and mobbed Atwood

after both goals. Atwood had been scoring well in practice, the coach said, but was not able to score in a game until Saturday.

"The defense was generally outstanding," Alessi noted, praising the play of Luis Boza '79 who "controlled the midfield," and Bernard, who notched his fourth shutout of the season (as opposed to only one shutout for MIT last year). In their 13 games this year, the Engineers have given up only 14 goals, seven of which were in the first three games this season before Bernard became the starting goalie. Had the team scored two goals in every game this year, they would have won all but one, the coach remarked.

Taken in this light, the final record of 7-6 was impressive.

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