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in the news

INSIDE

Money Magazine has recently completed a survey of prospects in the job market for various careers. It found that the job situation was good for engineers but bleak for scientists.

p12

The hockey club is in the middle of its best season in recent memory. Last Saturday, the Beavers improved their record to 9-2 by stopping Bates 3-0 in their first shutout since 1970.

p16

CAMPUS

Because of the severe weather conditions, the Institute was closed yesterday afternoon at 3:30pm until further notice and all classes have been cancelled for today. Call 253-SNOW(7669) for up to date information.

FACTS

Bob Byers, Director of MIT's News Office, has a counterpart at Stanford University whose name is Bob Beyers and whose title is Director, News and Publications Service. Commented MIT's Byers: "It does cause some people confusion once in a while."

EXCERPTS

Then came the most hideous part of all — the essays. Now, for the benefit of those who have never taken part in this tribal rite, let me assure you that not all applications are designed by paranoid psychopaths, like the fools who do Harvard Business School, or FAS.

I liked Michigan. "Kindly state anything you feel is relevant, bearing in mind that brevity is the soul of wit." I liked Penn State. "Are you alive, and can you prove it? But I did not like the HBS Vol I. "What is the meaning to life? How do you fit into all this? Derive Maxwell's Equations. Contrast the Antideterministic philosophy of Hume with the Existential Positions taken by Sartre and Camus. What relevance does this have to your life, as you perceive it now? Bear in mind the Cartesian dictum of uncertainty when writing this essay, and compare it with Heisenburg's Uncertainty Principle."

—Kenneth Leeds
The Daily Pennsylvanian

To be announced tomorrow

Tuition goes higher and higher

By William Lasser

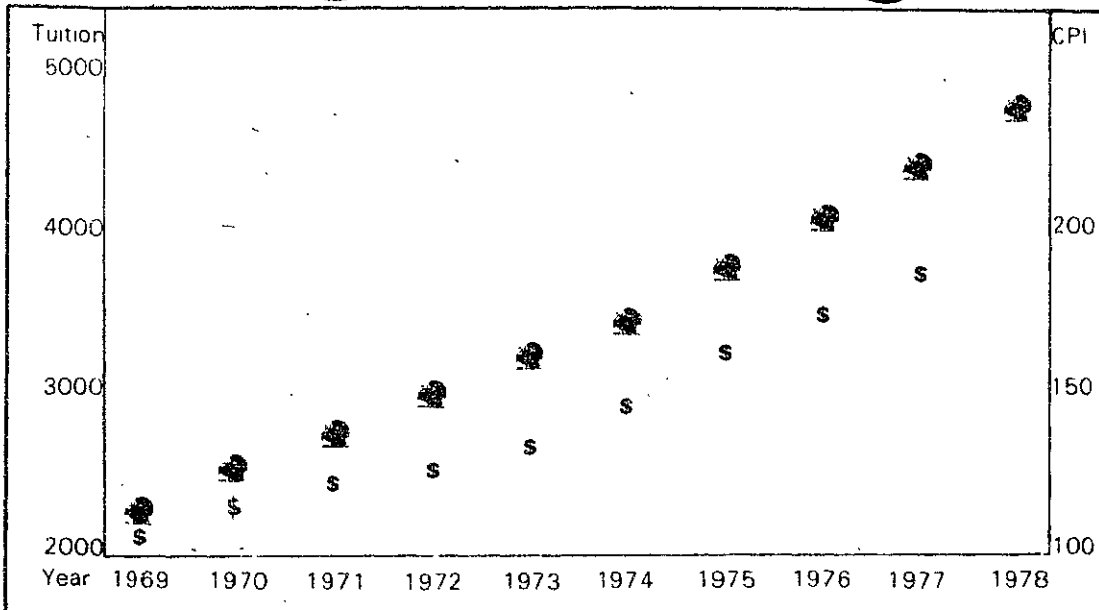
Tuition for the academic year 1978-79 has been set at \$4700, an increase of \$350 over the current level, *The Tech* learned Sunday.

The increase, which will be officially announced in tomorrow's issue of *Tech Talk*, marks the ninth consecutive year that tuition has been raised, and administration officials offered little hope for the future.

"As long as inflation continues, we can not see any possibility of not having yearly increases," Vice-President Constantine B. Simonides said in an interview. "Expenses have been going up faster than revenues."

Simonides, expressing the view of the Academic Council, which made the decision a few weeks ago, commented: "Nobody's happy about this. It's too damn much."

Chancellor Paul Gray '54 offered similar views. "Unless inflation falls back to something in the range of one or two percent, we're



CPI: Consumer Price Index, U.S. City Average, all items for December of year given. Constant 1967 dollars. (Bureau of Labor Statistics)

Tuition: For academic year beginning with year given; i.e. 1970 is academic year 1970-71.

clearly going to have to increase tuition every year," he said. "We are dependent on tuition for half the educational cost." Expenses, Gray explained, mostly in the form of salaries and wages, have

been growing rapidly despite budgetary cutbacks.

This year's tuition hike comes as no surprise, Simonides pointed out, noting that in the September 1977 issue of the general

catalogue MIT stated explicitly that costs "are reviewed and [are] likely to increase each year."

The Academic Council will examine the undergraduate finan-

(Please turn to page 9)

Bubble down, 10-250 sound bad...

An account of happenings over IAP

Editor's note: For those who spent IAP off-campus, The Tech has compiled this summary of significant events which occurred during January.

By Wendy Myers

Boston's record breaking snow storm, earlier this month, took its toll on MIT by destroying the J.B. Carr Indoor Tennis Facility. The Athletic Department projects reopening date in late summer or early fall with an estimated \$60,000 to \$75,000 repair bill. (*The Tech* Jan. 25, 1978)

The sound system in 10-250 has been a problem for both LSC and the Campus Architect, Harry Portnoy. Portnoy claimed that there was no real problem with the system, but that all the work had just not been completed yet. Michael Dornbrook '75 of LSC disagreed with Portnoy and listed items he and LSC considered wrong. There has been no mention as to when the sound system will be in working order. (*The Tech* Jan. 18, 1978)

The *BU exposure* filed suit against the President, the Dean of Student Life and the Board of Trustees of Boston University. The newspaper charged the university's administration with violating the students' constitutional rights of freedom of the press and of expression and with breach of contract. The Civil Liberties Union of Massachusetts, representing the *exposure*, objects to the paper's faculty advisor's review of the paper prior to its publication and that close to \$6,000 of funds allocated to the *exposure* have been frozen.

Johan A. Madson, Dean of Student Life at Boston University, pointed out in a letter to *The Tech* (Feb. 1), "Boston University is fully committed to the concept of a free and unfettered press. If, however, a publication is to be financed by University funds, the University has a responsibility to ensure that it be free of libelous material that would be harmful to others and could lead to damag-

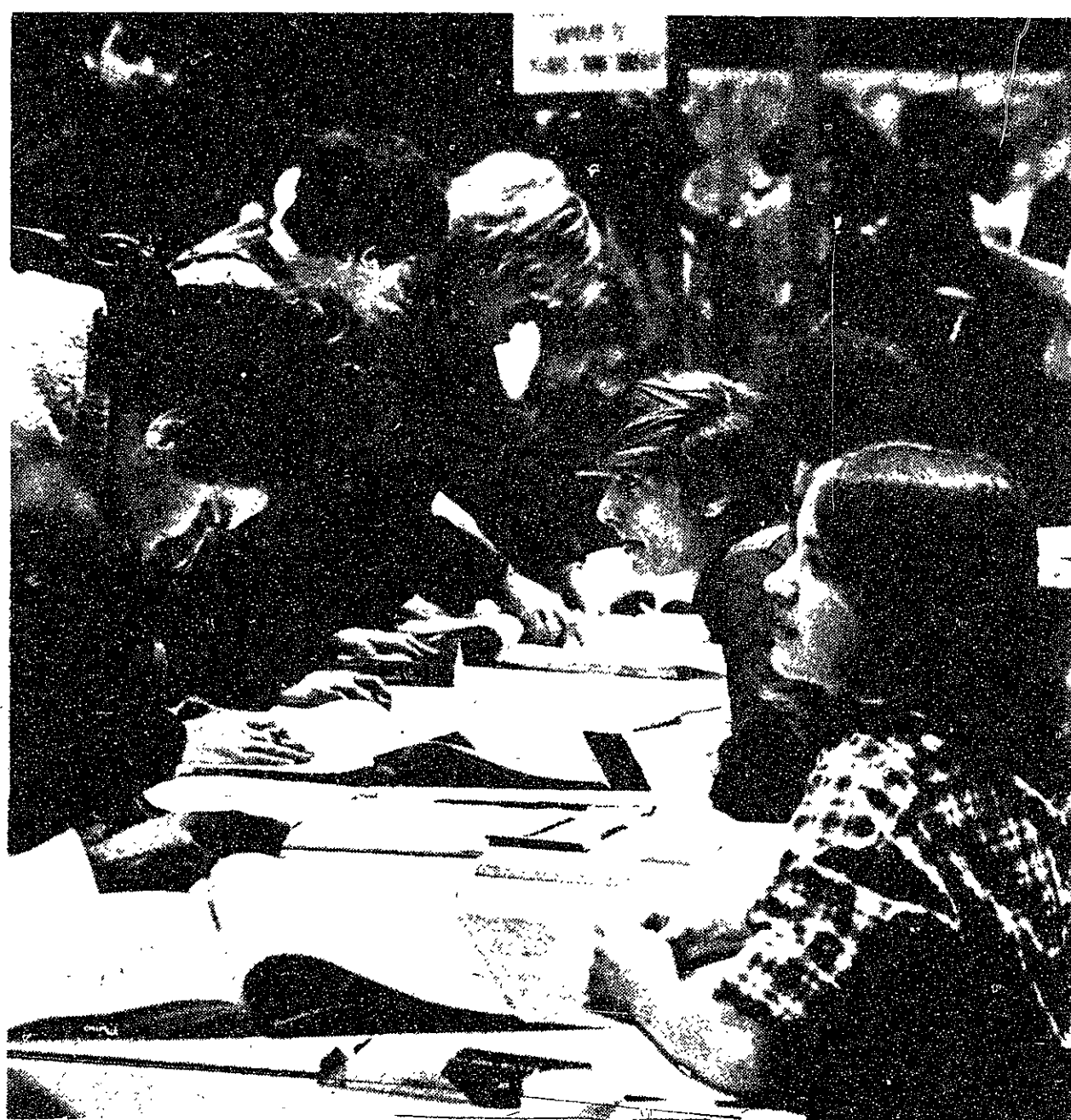
ing litigation."

A team of four computer science majors, representing MIT, won the Northeast Student Programming Contest at Rensselaer Polytechnic Institute. By placing first in a field of nine teams, the four Baker residents won a seeded entry for the Second National Association for Com-

puting Machinery Student Programming Championship which will be held in Detroit on February 23 and 24. (*The Tech* Feb. 1, 1978)

Among IAP's most popular events was the Engineering Challenge. A three hundred pound block of ice was placed in Lobby 7 at 9am on January 23. People

were asked to estimate the time required to melt it completely. The winner, Fred Sims, was one among 718 people who tried to predict the precise amount of time. He had guessed that the block would be gone by 5:34 am January 27, only 4 minutes away from the actual time of 5:30. (*The Tech* Feb. 1, 1978)



Registration Day ran smoothly this term due, in part, to the efforts of Alpha Phi Omega, the national service fraternity. An APO member said that possible reasons for the relatively efficient operation were that 1) freshman understood the procedure better than they did in the fall, and 2) the inclement weather may have prevented some students from registering early, or at all. (Photo by John Grunsfeld)

news roundup

World

Ambassador leaves — Dinh Ba Thi, Vietnam's ambassador to the United Nations was ordered by his government to return to Hanoi. The United States had issued an expulsion order after a Federal grand jury named him in an espionage case. Dinh had refused to follow the American order stating that he would not accept orders from Washington, thereby establishing a diplomatic dilemma for the United States government. Only after the Vietnamese government instructed him to come home did he agree to leave.

Mideast

Carter and Sadat recommitted to peace effort — President Carter and Egyptian President Anwar Sadat returned to the White House Sunday after spending two days of intensive talks at Camp David. They have made new commitments to do everything possible to achieve concrete results in the Mideast peace negotiations. A White House statement on the matter mentioned the Administration's hope for resumption of direct Egyptian-Israeli talks in the near future.

Nation

B-52 bomber vandalized — The Air Force said Sunday it was investigating the vandalism of a Strategic Air Command B-52 bomber armed with nuclear warheads. An Air Force source said one of the missiles was tampered with in the incident but was not damaged.

Bell's performance questioned — Griffin B. Bell's performance as Attorney General has been questioned since his appointment last year. Bell's difficulties have increased substantially since the controversy over the dismissal of David W. Marston, United States Attorney in Philadelphia. Marston's Dismissal magnified Bell's ineptitude as an administrator and has generally caused great embarrassment.

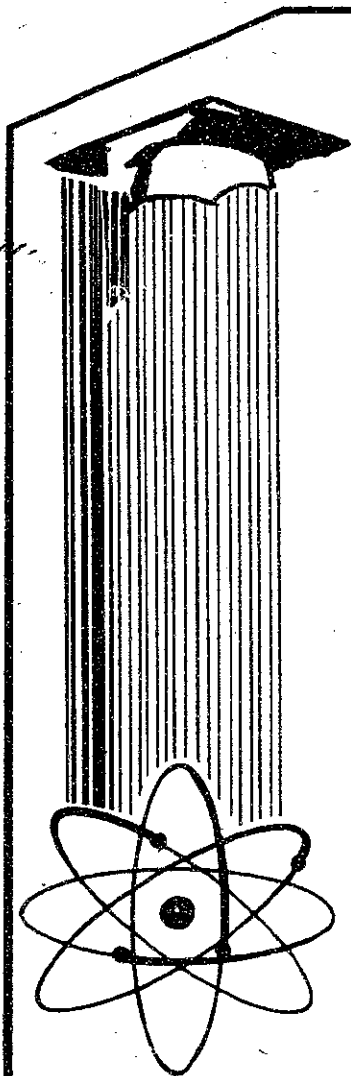
Local

BU building catches fire — Boston University's Stone Science Building caught fire yesterday destroying the third and fourth floors and filling the area with toxic smoke. The fire was particularly dangerous because of the large variety of chemicals stored in the building, some of which exploded and blasted out several windows.



(Photo by Gordon Haff)

Monday's snow storm prevented *The Tech* from being printed on time and caused the cancellation of several advertisements from this issue, thus allowing us to present this photo essay of the storm's effect on campus. Other photos are on pages nine and eleven.



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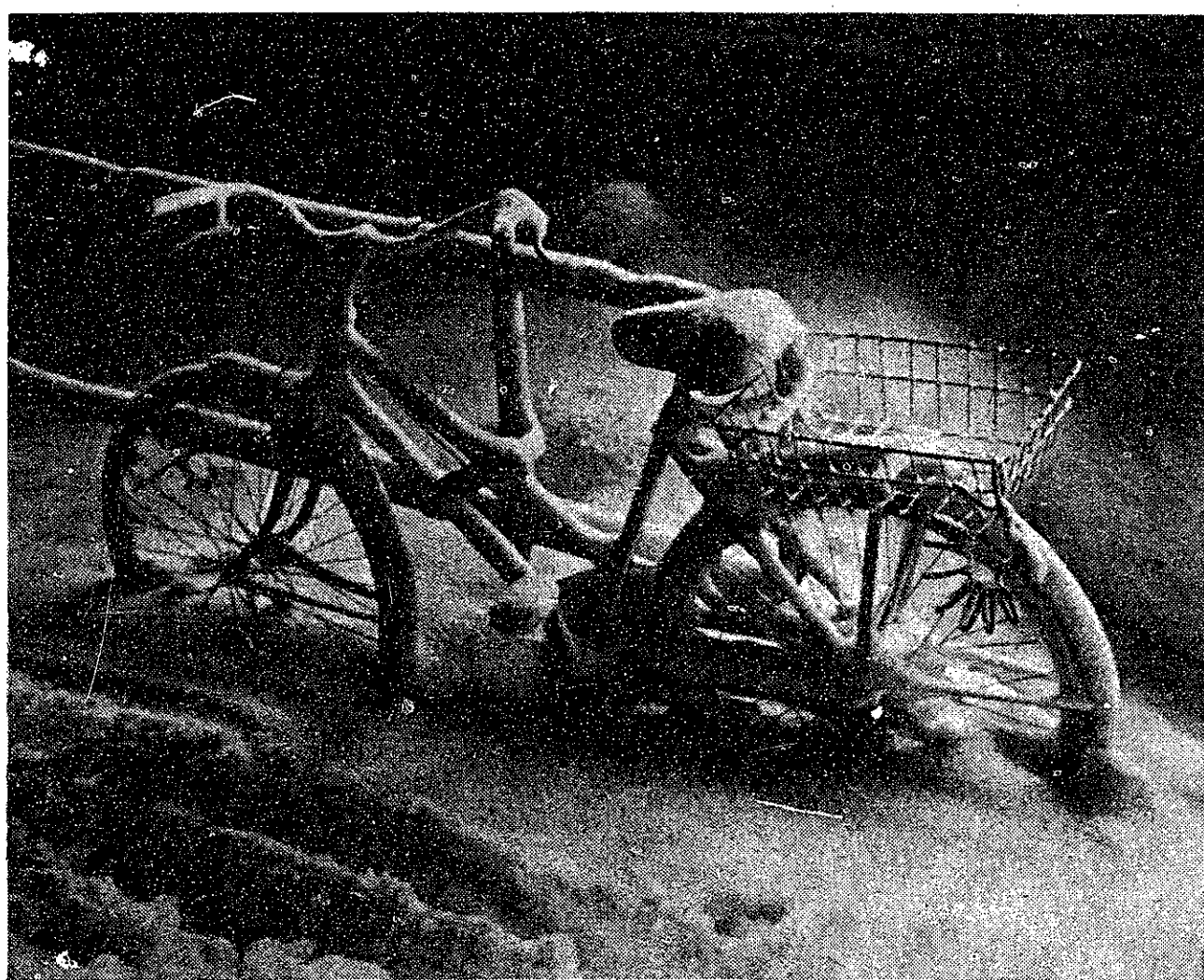
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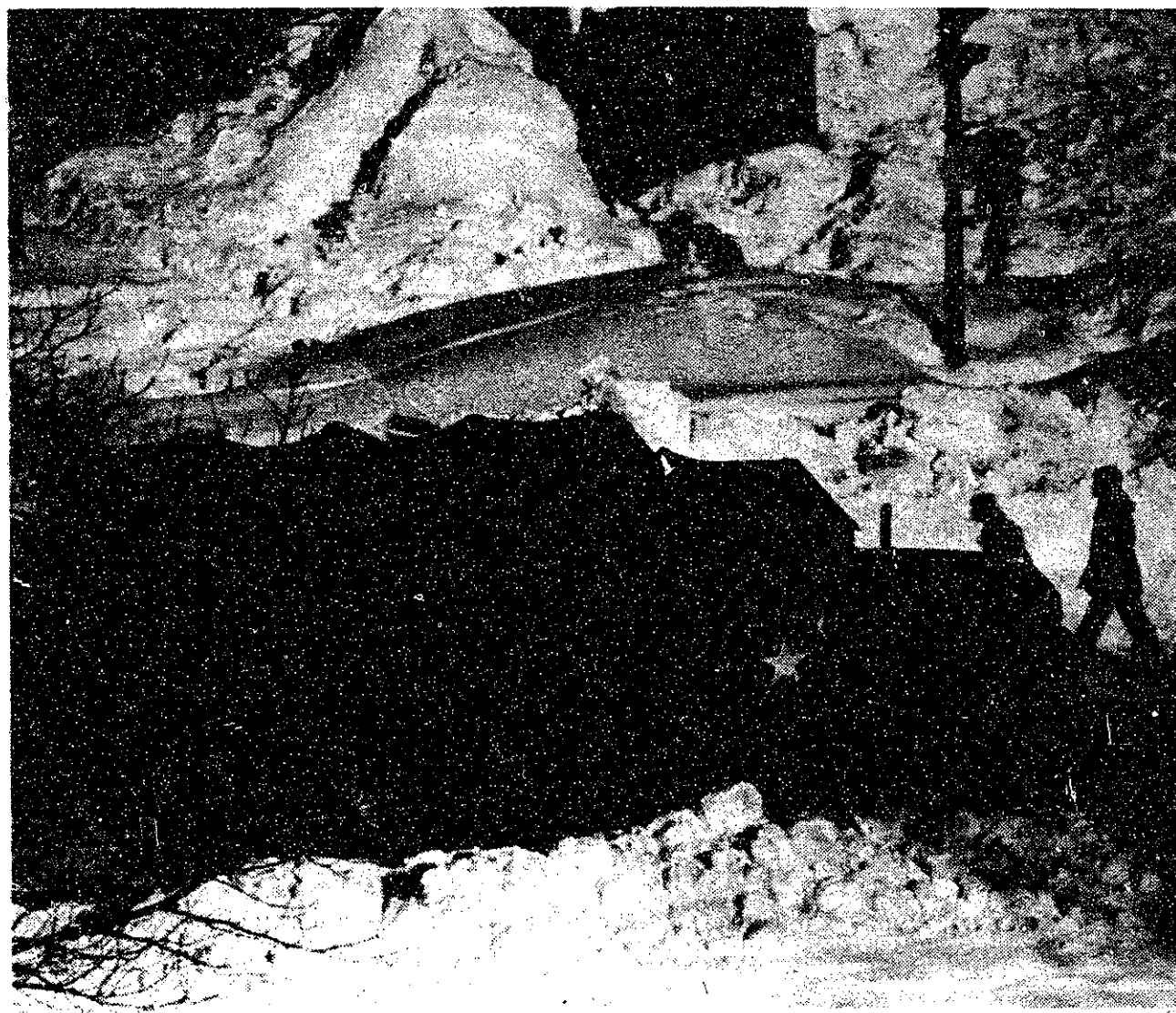
Interview with the Nuclear Power Manager on campus Feb. 24
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(Photo by Gordon Haff)



(Photo by David Schaller)



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Center

UA to convene Drop Date forum

By Tom Potter
and Bob Wasserman

A UA Forum on the Drop Date issue will be held on Thursday, February 9, at 4pm in Room 10-250. UAP Peter Berke will chair the Forum, the first during Berke's administration.

The Forum is being convened so that students and faculty can obtain first-hand viewpoints for and against the Committee on Academic Performance (CAP) proposal to change the Drop Date.

Members of the CAP, as well as the CEP and student groups concerned about the issue will be present to express their group's ideas. This Forum will enable the faculty to hear comments and discussion about the Drop Date proposal so that an educated decision is rendered at the faculty meeting on February 15.

All faculty members and students are invited.

Day in the Life of a CP Officer

By George Caan

This is the school: the Massachusetts Institute of Technology. Over 8,000 people study here. Most of the time, things are fairly quiet. But when something un-

usual happens, I go to work. I write for *The Tech*.

The story you are about to read is true. Only the names have been changed to protect the innocent.

I was working the late after-

noon watch out of the Campus Patrol Office. The boss is Sergeant Baker. My partner's Steve Solnick. My name is Caan.

At 3:30pm, Sgt. Baker assigned us to accompany Officer Bob

Reynolds on foot patrol in Area 5: Buildings one through eight. We crossed Mass. Ave. into Lobby 7 and proceeded down into the basement. Officer Reynolds surveyed the halls and checked unoccupied rooms to make sure they were locked. After 13 years on the force, he knows when anything or anyone is out of place.

As we walked through the various hallways of the main complex, Officer Reynolds explained that his main duty as a Campus Patrol Officer is to enforce the law. But as an MIT Campus Patrolman he must also be responsive to the needs of students. Understanding and patience are an important part of his job. It is the job of Campus Patrol to put these problems in that perspective.

As we entered Building 10, we received a call informing us of a lockout at the Admission Office.

(Please turn to page 10)



Campus patrolman Clarence Henniger performs his duties behind Bldg. 13.
(Photo by Steven Solnick)

WANTED:

Someone to fill this space.

Because we didn't have enough articles for this issue, we had to run this recruitment ad instead. We'd rather print articles (they're usually more interesting), and maybe *you* are the person to write them for us. Sometimes you can even get free books, records, and tickets to movies, concerts, and plays. You may be just the person whose talents will keep us from printing these silly ads. Come by our office, W20-483, any Sunday or Wednesday night, or call x3-1541. It could be the start of a whole new career.

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TECH

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opinion

UA forum needed

By Bob Wasserman

The Undergraduate Association (UA) Forum on Drop Date which is to be held Thursday is an event that no one should miss. This meeting is an excellent opportunity to learn the issues behind the Drop Date decision and the views of proponents of the change and the arguments against it.

During IAP and also late last term a number of meetings were held to discuss the changing of the drop date to the fifth week of the term with only one drop afterward, and much progress was made by opponents of this change. The UA AdHoc Committee on Drop Date met last December, as did the League for Concerned Students, and last month a group opposed to the change met frequently but did not adopt a formal name.

While all three groups agreed with the majority of the student body by opposing the new drop date, they each consisted of only a small number of students and points-of-view. A larger Undergraduate Forum sponsored by the Undergraduate Association would hopefully bring all these views together as well as present the issues involved to more students, especially those unable to participate previously.

Over the past several years there have been several forums held by the UA which have been fairly successful. These forums have been held

something else

in place of the General Assembly, which has failed to represent student opinion, being ineffectual in the past. UA President Stephen Wallman '75 held a forum several years ago to discuss faculty proposals on grading policy, including +/- grades. UAP Philip Moore '77 also held a UA Forum to discuss housing problems, which was a good sounding board for ideas but did not produce consensus.

Besides offering a fair amount of explanation and discussion, the drop date forum would also offer UAP Peter Berke '78 the opportunity to air student views and suggestions, a process he has professed interest in before. Hopefully Berke's student popularity will also contribute to the attendance at the meeting. In any case the meeting will be an important test of Berke's leadership ability and a gauge of his term as UAP.

The Forum will also be a good opportunity for Faculty and Deans to hear student views, both new and old. Student members of the Committee on Academic Performance (CAP) and Committee on Educational Policy (CEP) will also be there to present the reasons for their committee's recommendations. In some cases these student committee members can be criticized for their views, which are often different from those of the majority of the student body. The Forum should provide a good basis for relations between students and the CEP and CAP, which are often out-of-touch with student opinion.

The UA Forum on Drop Date comes at a crucial time, and will discuss some vital issues. With proper leadership this forum can consolidate the several student initiatives which have opposed the drop date decision and can fully represent student views as they must be represented.

As the first issue of Volume 98 of *The Tech* appears, so does the first installment of the new column of the editor-in-chief. Perhaps the hardest part in writing a bi-weekly column is choosing a logo which will appear in each issue. All I could decide for this column was not to call it by any of the previous names in this space, but rather something else. And thus, the column unintentionally named itself.

Hopefully this column really will be something else, as it presents a view of MIT and the surrounding outside community with both seriousness and humour.

feedback

Steve's strike ended

To the Editor:

Dear Customers,

To those of you who have loyally helped our strike, hoping as we hoped that we all could save what was special and good about Steve's, we would like to say thank you, but we have lost the store. The owner now will be able, as he hoped he would, to tell his workers just what to do. He turned out to have enough money to wait us out, apparently indefinitely. You can go back now, if you like, and have some Joey/Steve's ("Jeeve's") ice cream, if you stayed away to help the strike.

But if you have stayed away in part because you felt that the store changed fundamentally when Steve left, well, then we guess you'll have to continue to stay away, as we will have to.

The store used to be special. Just getting ice cream, you could feel there was something funny, and good, about the place: the workers, and the owner, were having fun. And there was something more, too: what was rarest about Steve's — Precious, even, to the workers — was the sense, allowed to us, that the store was partly our own. We helped decide how Steve's would evolve, and we therefore became intensely attached to the place — proud of it, and willing to worry over the hundred little decisions that keep

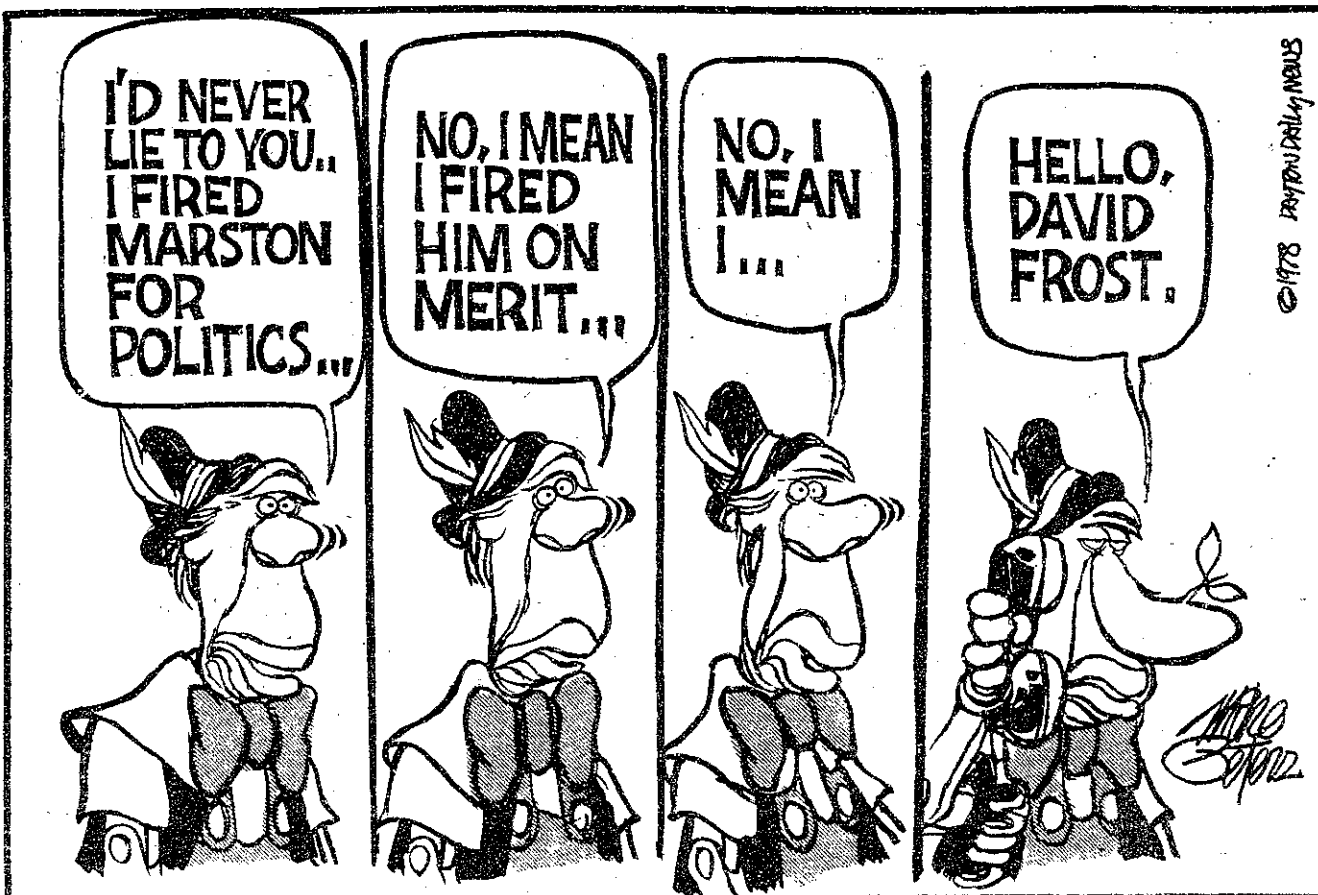
coming up as you try to sustain a little working community that is good.

But, still, is an ice cream store worth such a fuss? Don't we know, people sometimes asked, that most people work in jobs where they take orders, and understand they are putting in time to make money for the owner? Yes, we know. But we have seen that work can be better than that, and now we don't intend to forget. We hope that, gradually, other people will come to share that vision: that one day we'll all expect jobs that let us work for shared goals, not just for money.

And we are glad that so many of you clearly did understand. You were willing to forego our ice cream for a cause. Together, you and we tried to hold the new owner to the assurances which got him the store: that he would respect the peculiarly democratic form of the place. We're grateful to you, and we're proud that we struggled, picketing fourteen chilly weeks, before conceding that the old Steve's was gone for good. It was worth fighting for.

We had a happy, satisfying time feeding you all, and working with one another. We're sorry to have to say goodbye.

Tom Hayes Sally Zimmerman
Andra Gires Gary Brooks
Chris Coker Jill Baroff
Tim Iallahan Jan. 29, 1978



The Tech: traditional service

By David Schaller

Students and Friends: Greeting.

To-day is issued the first number of our paper; and, although we tremble at the thought of the work before us, we begin it gladly. We believe that the same public spirit that founded *The Tech* will sustain it

to the end."

Slightly over

96 years ago this

paper began

publication with

the greeting

above. Today's issue being the

first of Volume 98, I wish to

welcome our readership back to

MIT for the start of the new term,

perspectives

The Tech was founded to provide a service for the MIT community, and although the material covered has changed over the years, hopefully the purpose has not. We, the staff of *The Tech*, feel that our paper meets this purpose. If you, our readers, see something lacking from these pages make it known to us so that we become aware of your feelings.

A lack of attention by us to a given subject does not mean that *The Tech* refuses to provide coverage. We do not have an infinite staff, and our sports page is a perfect example of this. With the size of our sports staff, and the number of sports, it is impossible to provide more than occasional coverage of each sport without people from each sport working with us. The same is true for the arts. If the paper appears dry and dead to you, help us do something about it.

In trying to best serve our readers, we attempt to provide even coverage of sports, news, arts, as well as coverage of current items of interest. For this reason there is an organization to the paper, which has been criticized by some. Without an organized structure to the paper, it would be quite hard to provide uniform, unbiased coverage. This organization also allows us an efficient means in gathering the information used to produce stories. When *The Tech* uncovered the Iranian Nuclear Engineering program, and the Taiwan Inertial Guidance program, it was in part due to the organization of our news department.

For activities not covered by us, and to provide announcement of upcoming events, *The Tech* has always given nearly a 20 percent discount from our regular advertising rates to all recognized student activities, ads for Undergraduate Association (UA) and class office candidates, and to UMOC candidates.

However all of our effort to provide information to you is wasted if you fail to utilize it. During the coming month the faculty will meet on the drop date proposal, and as you can see in this issue, MIT will be raising the tuition yet again. Reading about these things should not be the limit of your involvement. Get involved, for you can make an effect on the MIT environment.

The Tech

David A. Schaller '78 — Chairman
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Steven F. Frann '80 — Managing Editor
Leroy A. Lindquist '79 — Business Manager
Volume 98, Number 1
Tuesday, February 7, 1978

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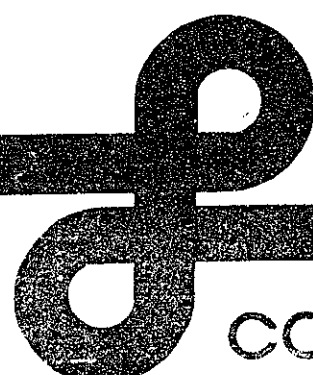
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- Each graduate gets only 2 guest tickets to graduation. If all students earning degrees attended commencement, there would not even be room in the cage for 2 guests apiece.
- Graduates at Wellesley get 5 tickets to their graduation; Harvard students get 4.
- You receive your diploma from the hand of President Wiesner, but do not get to shake his hand.

Perhaps you like the present form of ceremony; perhaps you would like to see changes. Either way, tell us tomorrow in the Commencement Survey. To be distributed in living groups.

Commencement Survey February 10

arts events

Close Encounters of the hyped kind

Close Encounters of the Third Kind, a Columbia Pictures release, starring Richard Dreyfuss, Melinda Dillon, Teri Garr, and Francois Truffaut; written and directed by Steven Spielberg; produced by Julia Phillips and Michael Phillips; playing at the Sack Cinema 57; rated PG.

By Bill Starr

Steven Spielberg's first film since *Jaws* is already an unqualified Hollywood success — it's making millions of dollars, the soundtrack album is selling wonderfully, and critics across the country are raving. Why, then, does the film leave an empty, hollow feeling where movies like *Star Wars* leave a warm glow?

Much of the problem is caused by the massive publicity campaign launched by Columbia Pictures. Before the film was released it was shrouded in secrecy. The press releases were along the lines of, "The last forty minutes of this film simply cannot be described," and "Douglas Trumbull [special effects artist of 2001] has

developed some marvelous new special effects techniques..." the details of which were top secret. Then critics returned from advance screenings and gave it reviews that would have had us believe it was the greatest film of the decade, if not all movie history. Finally came the advertising campaign, with countdown in the papers ("Only N More Days Until... CLOSE ENCOUNTERS") and the television ads which portentously proclaimed, "We Are Not Alone."

After all this build-up, the movie is a disappointment. The film is an account of man's first meeting with an alien race. The main characters are an Indiana electric company lineman (Richard Dreyfuss), who sees the UFOs while investigating a blackout apparently caused by the aliens, and a young mother (Melinda Dillon) whose four-year-old son is kidnapped by the aliens. The aliens besiege her house with a variety of Exorcist-like effects — electric appliances turn themselves on and

run amuck, intensely bright lights shine through shuttered windows, and screws unscrew themselves — all of this before an unseen force drags the boy from his mother's arms. All to the accompaniment of music (by John Williams, who did the *Star Wars* score) more appropriate to a grade B horror film.

The other main character is the French-speaking head of a French/American UFO investigating team (Francois Truffaut). This character is particularly annoying because many of his lines aren't translated.

During their encounters with the UFOs, both Dreyfuss and Dillon receive a vision which eventually leads them to Devil's Tower, Wyoming, the same place that Truffaut's team has calculated that the aliens will land.

The U.S. Government decides to monopolize the landing by faking the spill of deadly nerve gas, forcing the evacuation of the landing area. Dillon and Dreyfuss make it to the landing area anyway (evading clouds of sleep gas and enough Marines to take back Vietnam), getting there just in time to witness the arrival of the aliens.

This leads to the forty-minute climax of the film, in which the aliens land, return Ms. Dillon's son, and communicate with the humans before flying off, leaving the audience with the implied promise of a better world through human/alien cooperation.

Dreyfuss and Dillon are convincingly awed, excited, and scared by their experiences. Teri Garr does a good job as Dreyfuss' confused wife who refuses to believe in UFOs, and Truffaut does the best he can with a role that requires him to speak a foreign language and often pause for translation.

The much-touted special effects by Douglas Trumbull are more than disappointing: taken in context with the glowing advertisements, they almost constitute fraud. His brilliant new technique turns out to be nothing more than lens flare caused by shining a bright light at the camera, creating a soft ball of light which obscures features near it. Trumbull merely superim-

(Please turn to page 8)

Auditions for *Guys and Dolls*, the Musical Theatre Guild's spring production are Feb. 11, 2-4pm and 12, 13, 7-9pm in the Student Center Lounge. Prepare a song. Questions? Call x3-6294.

* * * *

Volpone; Or, the Fox, Ben Jonson's comedy, will be presented by the MIT Dramashop Performances are Fri. and Sat., Feb. 10 and 11, and Thurs., Fri., and Sat., Feb. 16, 17, and 18, at 8pm in Kresge Little Theatre each night. Tickets are \$2.50 (\$1.50 on opening night). For reservations call x3-4720. Tickets also available at the door and in Lobby 10.

* * * *

Guys and Dolls Orchestra auditions will be held Sat. Feb. 11, 11am to 2pm in Kresge rehearsal room A. Bring two prepared, contrasting pieces. If unable to attend or have questions call Howard Boles, 547-5140 (evenings) or the MTG office, x3-6294, x5-9155. Performance dates are April 7, 8, 9, 13, 14, and 15.

* * * *

Pippin, the Broadway smash, will be running in Boston at the Shubert Theatre, 265 Fremont St., tonight thru March 11. Tickets, ranging in price from \$9 to \$16.50, are available at the box office (426-4520) or Tele-charge (482-2425).

* * * *

The Museum of Fine Arts in Boston has extended until Sun., Feb. 19, its very successful exhibition entitled *Monet Unveiled: A New Look at Boston's Paintings*. The show features the largest collection of Monet's works outside of Paris.

The Tech's movie rating scale:

- excellent
- very good
- good
- fair
- poor
- the absolute pits

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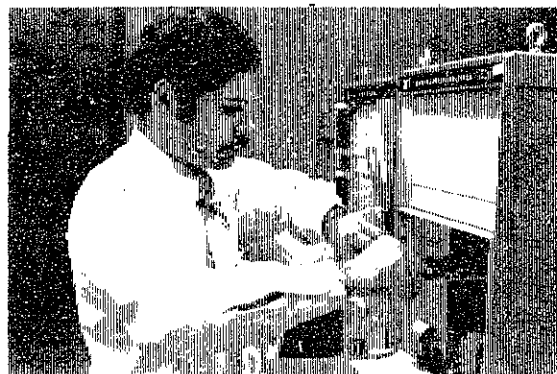
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arts cont.

Boston Ballet features Choreographer's Showcase

By Brenda Pomerance

The *Choreographer's Showcase* is a yearly production of the Boston Ballet. It differs from their usual performances in that the pieces are more experimental, using modern dance techniques. And because the production is held in the John Hancock Hall, a smaller theatre than the Ballet's home, the Music Hall, it lends a pleasing intimacy to the evening.

Joy Kellman, co-director of *Danceworks*, a local modern dance company, choreographed the opening piece, *One-Up*. The cast consisted of six dancers, who were weak individually and unsynchronized as a group. The music was written by local composer Philip Giffin.

Trio, set to Bach's *Concerto no. 5 in F minor*, was a highly successful piece. The choreography meshed superbly with the music. The dance began with Laura Young, Augustus Van Heerden, and

Nicolas Pacana performing together with moderately fast, light musical accompaniment. Young and Van Heerden then danced a *pas de deux* to more gentle, classical music.

The third piece, *Rainwood* was, choreographed by Ze'eva Cohen. The seven dancers, costumed in shiny mottled leotards, moved together well and indicated that it was the group and not its individuals which was to be noticed. The music was simply environmental sounds — birds chirping, the rushing of water, etc. The dancing matched these sounds — at first, the group seemed to be driven by a natural force, creating a crisp, clean feeling. Their urgency gradually abated into quiescence. The scene then evolved into a serene line of bodies reclining on one another. The graceful ending beautifully matched the mood of the piece.

After intermission came the world

premiere of *Barabbas*. The plot of this solo work concerns the crucifixion of Christ, with Barabbas, a murderer, being freed from the cross by Pontius Pilate. Pilate then condemns Jesus to take Barabbas' place on the cross. Tony Catanzaro did a fine job of acting these three roles, but did not dance his parts interestingly or convincingly.

Close Encounters' effects drab

(Continued from page 7)

poses these flares over parts of his model ships. Yawn.

Perhaps to make up for the uninspired special effects, Spielberg occasionally goes to outlandish lengths to trigger the audience's emotions. The kidnapping scene is a perfect example. There is no reason for any of the Exorcist-like schtick; all that the aliens needed to do was to spray the house with knockout gas, wander in, and pick up

Minoan Dances, the final work, had three phases: *Festival*, *Season of the Hunt*, and a short *Dedication and Renewal*. Elaine Bauer portrayed a very lithe, graceful snake, but despite her efforts, the company's technical work was mediocre. The story was moderately interesting, but not enough so to displace the charm and lingering memory of *Trio*.

the kid. But this would not have served Spielberg's purpose: to shake up (or at least wake up) his audience. There are many other instances in the film where events occur not because there's any good reason for them to happen, but simply because Spielberg wants them to.

It seems that neither Spielberg nor Columbia Pictures feel that honesty or logic are as important as selling theater tickets.

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February 9, 10, 11, 8 P.M.

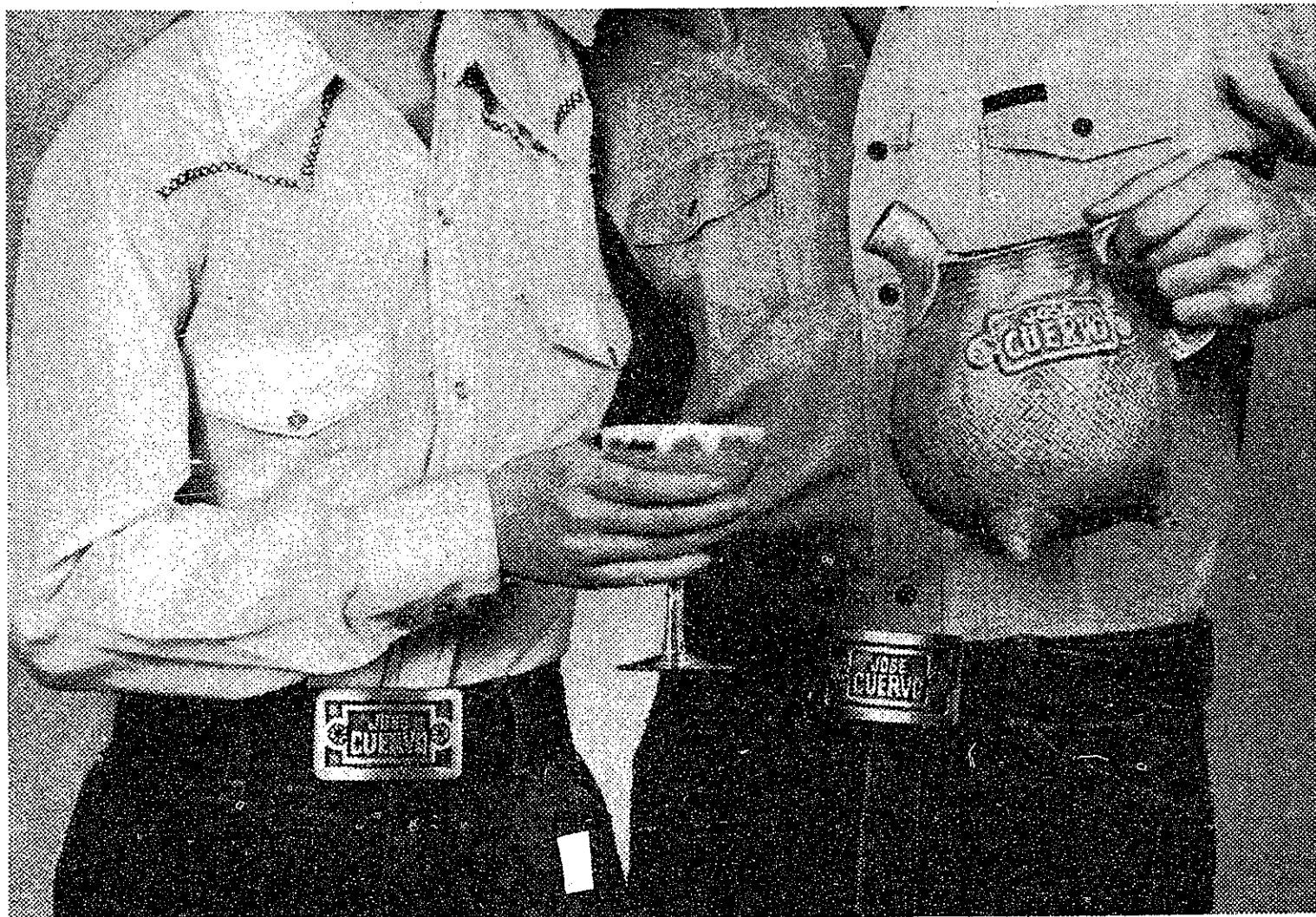
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TR 6-4226 40 Brattle Street

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5:15 8:30 Wknd Mat 2:00

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and
Elliott Gould and George Segal
in Robert Altman's
CALIFORNIA SPLIT
7:30 Wknd Mat 3:05

CINEMA II

CHAPLIN RETROSPECTIVE

Feb. 8-11, Wed.-Sat.
MODERN TIMES
6:05 8:45 Sat Mat 3:25
THE TRAMP/ONE A.M.
5:00 7:40 10:20

Feb. 12-14, Sun.-Tues.
THE GREAT DICTATOR
6:10 9:20 Sun Mat 3:00
THE CURE/THE ROUNDERS
5:15 8:25

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These musicians are participating in Music Under Boston, the MBTA sponsored program which places musicians in the Harvard Square, Park Street, and Government Center stations weekdays, during the morning and the evening rush hours. The program, administered by ArtCulture, provides the subways with barbershop quartets, fiddles, tubas, banjos and marimbas. (Photo by Chuck Irwin)



(Photo by Gordon Haff)

Tuition raised to new heights

(Continued from page 1)

cial aid package later this month and will then set the all-important equity level, the amount of aid given to students in the form not of grants, but of loans and wages. Following last year's \$350 tuition hike, the equity level was raised \$200, to \$2500.

While stressing that no decision for next year has been made, Gray told *The Tech* that MIT has tried in past years to move the equity level each year by an amount equal to half the increase in the student budget.

Gray was optimistic that the increased costs would not affect freshmen admissions this year. "We're not going to worsen our position with the other colleges we compete with," he said. The increase in costs will be comparable to those at other colleges — and, Gray maintained, they will be "on the low side" of colleges MIT competes with for students. Director of Admissions Peter Richardson '48 could not be reached for comment.

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**Interviewing on Campus
February 13**

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P. O. Box 6015, M.S. 222/Dallas, Texas 75222.

TEXAS INSTRUMENTS

INCORPORATED

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Tech Reporter cruises with CP

(Continued from page 3)

We answered the call immediately. When we arrived on the scene, we discovered a secretary had locked herself out of the Admissions Office. After checking her ID we let her in.

At 5:20pm, we returned to headquarters. Sgt. Goodrich had relieved Sgt. Baker.

At 5:30pm, Sgt. Goodrich assigned us to Car 54: West Campus Patrol. At the wheel was Officer Healey.

Proceeding down Amherst Street, Healey explained that the main duties of the car patrol are to provide escort service and to

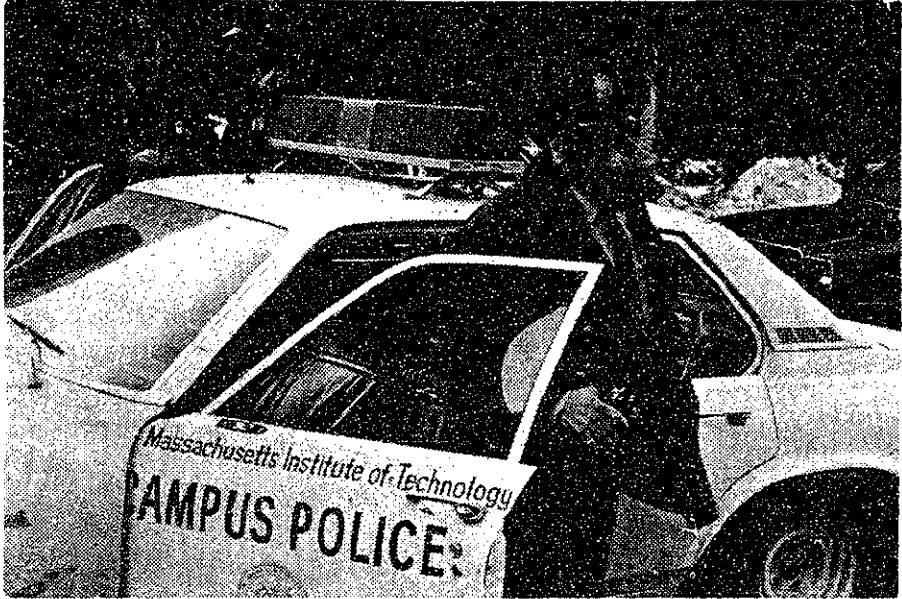
keep an eye out for anything suspicious. We drove around parking lots and through garages checking the area. At 6:15, we received a call to assist the Cambridge Police in solving a parking problem at the corner of Mass. Ave and Amherst Street. Three cars were attempting to park in the same space. But by the time we arrived the problem had been resolved. Healey explained that cooperation between Campus Patrol and the Cambridge Police is excellent.

From Amherst we turned north on Mass. Ave. and drove up the street to check the front and back

of the Women's Independent Living Group.

At 7:00, we received a call to escort two students from the infirmary to East Campus. When we returned to the west side of campus we received a call to investigate an alarm that had been set off at the Sailing Pavillion. We checked the scene and observed nothing of a suspicious nature.

At 7:30, we left the cruiser and returned to *The Tech* newsroom. I reported to the news editor Steve Kirsch that nothing important had happened. He told me, "Well George, you know in the police biz, no news is good news."



Campus patrolmen Ray Roberts and Zach Taylor meet a fellow officer during a change of shift. (Photo by Steven Solnick)

10-250 problems could be worse

Editor's Note: 10-250, the oldest large lecture hall on campus, has recently been renovated, but some of the "improvements" seem to cause more problems than they alleviate. Looking back, one notices that functional problems seem to have been a basic element of the hall for some time.

(Reprinted from April, 1961)

One of the less controversial conclusions of the late report of the Student Committee on Educational Policy is that the hall designated as 10-250 is something less than an ideal place in which to listen to a lecture. This, the largest lecture hall on campus,

Looking back

receives considerable use from some of the largest courses taught here. Obviously, it would be very difficult to do without it. Nevertheless, it is warm, stuffy, ill-lit, and cramped. Some of the difficulty of the courses taught here can no doubt be traced to the ease with which one can fall asleep in this room, presuming one can find a place to put one's knees.

A first step, a simple step, in the direction of improving 10-250 would certainly be to improve the lighting, so as to give a reasonable level of illumination. Perhaps something might also be done about reducing the temperature, and changing the seats. This may take some thought though; *The Tech* carried editorial complaints about 10-250 back in the 1920's, and nothing much seems to have happened since then.

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JUDAISM

13

FLAVORS

1. CANTILLATIONS I, II, III, IV, V.
2. CURRENT MIDDLE EAST PERSPECTIVES
3. COMMUNICATIONS WORKSHOP FOR ENGAGED, PRE-ENGAGED, and OTHERWISE ENGAGED COUPLES.
4. KOSHER GOURMET COOKING
5. HEBREW I, II
6. HEBREW LITERATURE
7. INTRODUCTION TO JUDAISM
8. MIDRASH OF NAMES
9. SCRIBAL ARTS
10. SILK SCREENING
11. TALMUD I, II, III
12. TOPICS IN REFORM JUDAISM
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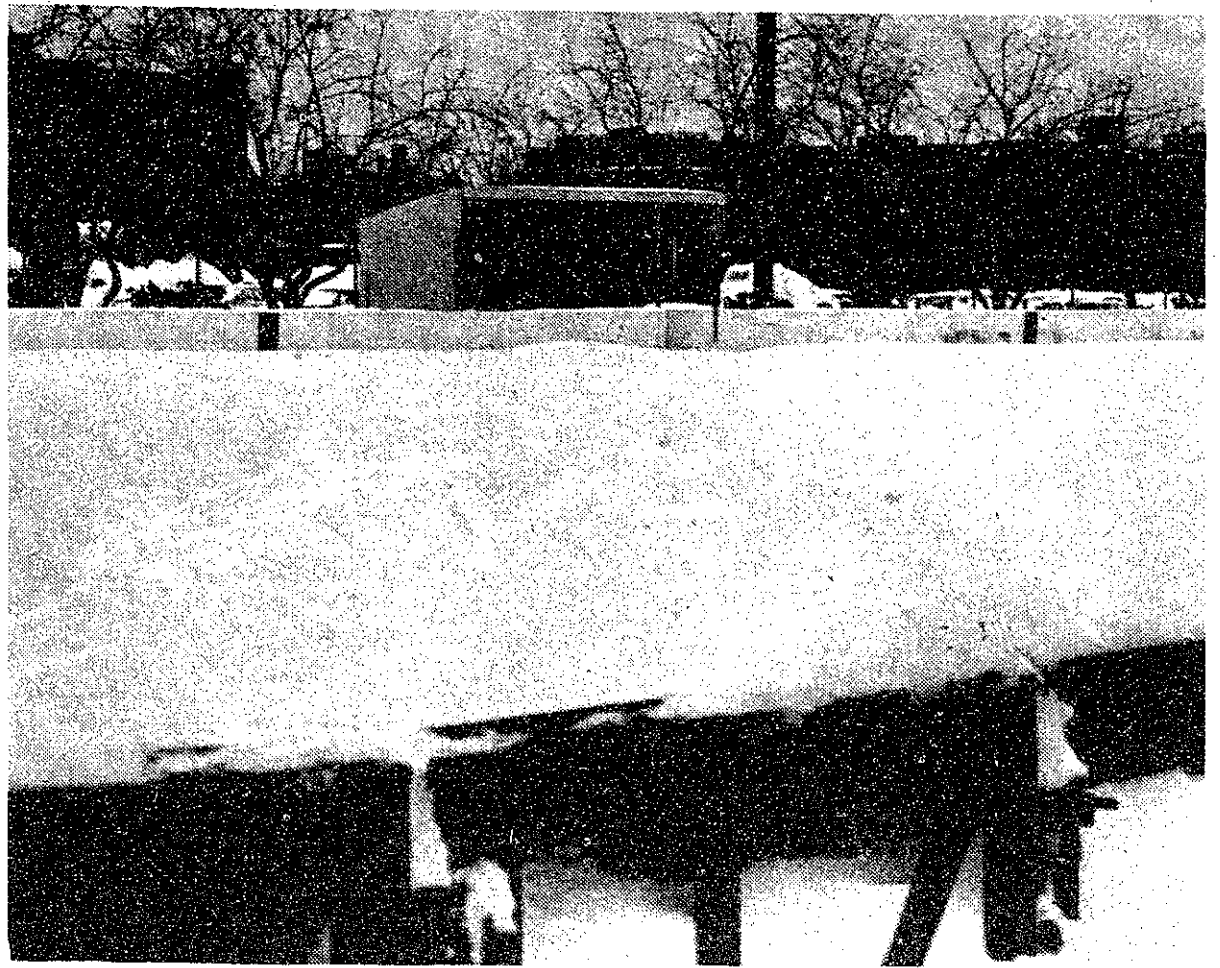
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
12:00 Talmud III	5:30 Feb. 15 1st Mtg. Current Mid-East Perspectives	6:00 - 8:00 Scribal Arts	8:15 Talmud II	4:30 - 5:30 Hebrew I
1:00 Feb. 12 1st Mtg. Cantillations I	6:00 - 8:30 Silk Screening	7:00 - 8:00 Midrash of Names		5:00 Feb. 16 1st Mtg. Intro. to Judaism
2:00 Feb. 12 1st Mtg. Cantillations II	7:30 Communications Workshop for Engaged...	8:00 - 9:00 Talmud I		
3:00 Feb. 12 1st Mtg. Cantillations III	7:45 Feb. 6 1st Mtg at B.U. Cantillation IV			5:00 Feb. 23. 1st Mtg. Topics in Reform Judaism
	8:45 (at B.U.) Cantillation V			7:00 Yiddish

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2/6 — 10 CALL: x3-2982



While computers never make mistakes, sometimes they break down. When that computer is *The Tech's* photo-typesetter and it breaks down on production night, the staff sometimes uses unorthodox methods to keep it running. (Photo by Steve Kirsch)



Over two feet of snow covered the ice rink during the last snowstorm. (Photo by Steve Kirsch)

notes

* There will be a meeting of the 1978 R/O Committee Wed., Feb. 8 at 4:30pm in Room 5-232. If you have suggestions or would like to help with R/O '78, please join us or call Barry Newman (x5-7603, x3-3916).

* During the past 20 years, Operation Crossroads Africa, a non-profit, non-governmental volunteer community development organization, has sent over 5000 American students and faculty to 34 English- and French-speaking African countries during the summer to live and work with rural village communities, joining with them in vital self-help projects that involve: building schools and health clinics, agriculture, music, art, archaeology, health education, journalism and media, community development and organization. Crossroads' work study travel programs serve as a vehicle for making a concrete contribution to community development in Africa and at the same time a rare opportunity for cross-cultural communication and personal growth. Applications are due Feb. 15. For more information, contact: Crossroads Africa, Inc., 150 5th Ave., NYC NY 10011 (Phone: (212) 242-8550).

* *VI-A Orientation Lecture* for Sophomores interested in entering the E.E. C.S. Dept's *VI-A Program*, Wednesday, February 8, 1978, at 3:30pm in 26-100. Students currently on the Program and VI-A Faculty Advisors will be available for discussion.

* Undergraduates are encouraged to write personal essays or brief comments to be considered for inclusion in the 1978 Freshman Handbook. Share your impressions of MIT with the Class of '82! Material submitted as soon as possible will be gratefully appreciated.

* Landlords are obligated to supply heat in all apartments within the Commonwealth of Massachusetts, from September 15th to June 15th, unless a written contract specifies that the occupant will provide fuel. Landlords are required to supply heat to a temperature of at least 68 degrees between the hours of 7:00am and 11:00pm and at least 64 degrees between 11:01pm and 6:59am.

* A vegetarian pot-luck dinner will be held on Friday, Feb. 10 at 6:30pm. Call Bill at x3-7130, Doug at x5-7411, or Ann at x5-6681 for further information.

* The New York City Urban Fellows Program offers twenty internships in city government each year to specially selected college seniors and graduate students. Applications are due in by Feb. 15. For details write to Dominick Cucinotta, Director, New York City Urban Fellows Program, 250 Broadway, 11th floor, NY, NY 10007.

* The department of Biology has rescheduled the project laboratory, Experimental Immunology (7.021), for first term next fall. Experimental Genetics (7.061) has been cancelled, and Experimental Microbial Genetics (7.031) will be offered as scheduled.



(Photo Courtesy of Technique)



(Photo by Gordon Haff)

Career prospects examined

(Editor's note: Engineers can expect a growing job market while scientists face much poorer prospects, according to a survey taken recently by Money magazine.)

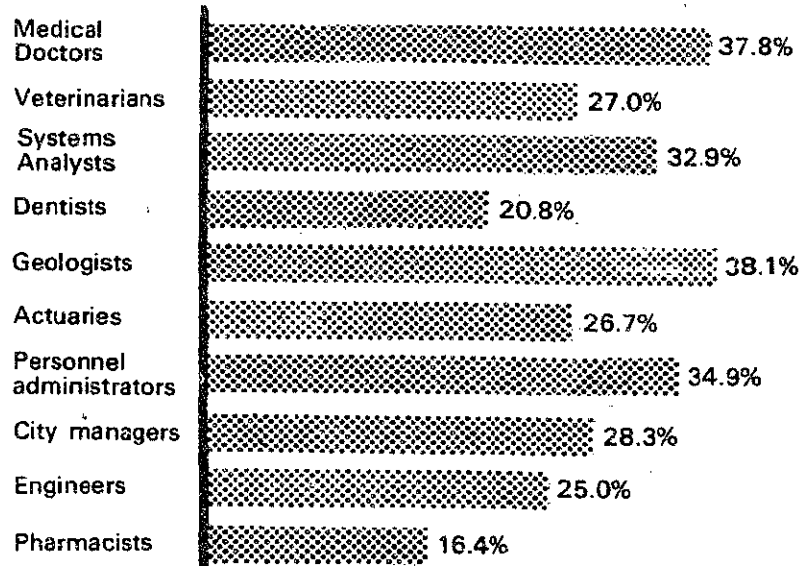
Between now and 1985, the job market for doctors, systems analysts and actuaries will be among the strongest of the major professions, while those aspiring to become schoolteachers, Protestant clergymen, and newspaper reporters are likely to face the poorest job prospects, according to a Money magazine analysis.

In view of the growing surplus of college students projected by the Bureau of Labor Statistics (BLS), Money, in its November issue, has devised a rating system to sort out which professions in the coming years hold the most and least employment promise. The system takes into account previously unpublished BLS growth estimates for the professions, considered an indicator of faster promotions and new opportunities; supply and demand probabilities; and salaries. The ratings — not intended to be comprehensive or reflective of the intrinsic merit of the professions — "simply point out the likely material consequences of choosing one profession over another," the magazine says.

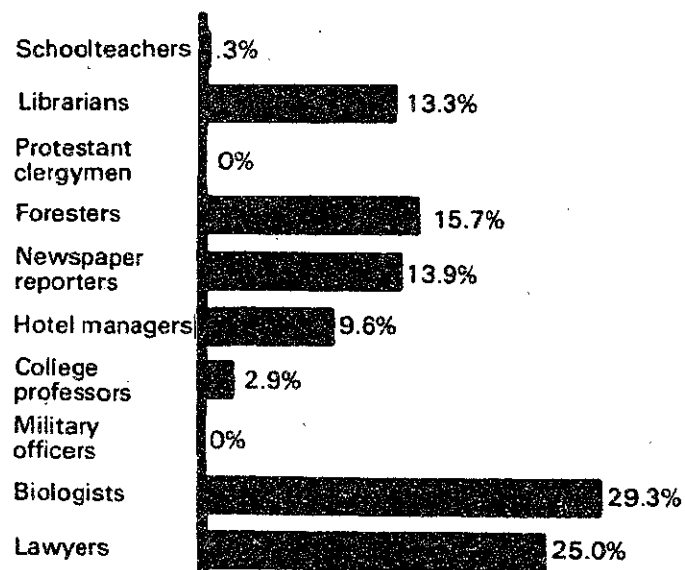
Ranked in declining order, these are Money's selections of the ten most promising professions, followed by their estimated percentage growth in the next eight years: 1. Doctors, 37.8%; 2. Veterinarians, 27.0%; 3. Systems Analysts, 32.9%; 4. Dentists, 20.8%; 5. Geologists, 38.1%; 6. Actuaries, 26.7%; 7. Personnel Administrators, 34.9%; 8. City Managers, 28.3%;

eight year growth estimate

Money's ten most promising professions



... and ten least promising professions



Matt Dahl

9. Engineers, 25.0%; 10. Pharmacists, 16.4%.

The ten professions that present the worst career opportunities for newcomers are: 1. Schoolteachers, .3%; 2. Librarians, 13.3%; 3. Protestant clergymen, 0%; 4. Foresters, 15.7%; 5. Newspaper reporters, 13.9%; 6. Hotel managers, 9.6%; 7. College professors, 2.9%; 8. Military officers, 0%; 9. Biologists, 29.3%; 10. Lawyers, 25.0%.

"Doctors, dentists and veterinarians enjoy the unique advantages of a strong, assured growth combined with a limited supply of new blood," Money says, noting that physicians currently have the highest median income of any profession: \$58,000 a year.

Teaching, the largest profession in the U.S., is also the most depressed and one of the poorest paid. The BLS forecasts a decline of 11% in the number of high school teachers needed by 1985.

Business management hasn't been profiled statistically, but it "will continue to promise huge salaries and other rewards for those who make it to the top." Two business specialties in particular have good futures: personnel administrators and actuaries. Actuaries start off with about \$12,000 a year and earn, in 1977, \$42,000 for established professionals, just \$1,000 less than dentists of comparable experience.

Engineering, the second-largest profession, "offers the classic example of a cyclical job market," Money notes. Right now there's a shortage of engineers but in a few years, you can count on a surplus. Despite the highs and lows, engineering shows steady growth and pays a good starting salary.

"Scientists share the bleak prospects of college professors since many of them go into teaching," Money says. They face an average rate of growth and generally low salaries; biologists, for instance, begin at only \$10,000 a year in 1977.

In law it's the top graduates of the best schools who get hired by the big firms and make the big bucks. Says Money: "The output of the law schools has tripled in the past decade, while the need for lawyers has grown moderately."

Protestant ministers are in "vast oversupply and the pay is terrible — an average of \$13,000, which includes free housing," the magazine notes. Catholic priests are paid even less — \$4,000 plus room and board — but the Catholic Church is actively recruiting new priests. A rabbi can now earn \$17,000 to \$20,000 a year to start.

Though there are only around 3,000 now employed, the city manager is a good-growth profession. Architecture is also looking up, not because of any building boom but because government agencies and corporations need them to help comply with environmental rules and aesthetic demands.

A military career offers "fewer opportunities than usual," since the size of the armed forces is now frozen while the U.S. is at peace. Another low-growth profession is hotel management, where salaries are modest — only \$10,000 at the start and \$20,000 for a veteran manager in 1977.

Money cautions that the "gloomy predictions about college graduates should not dissuade anyone from pursuing a particular profession." The top graduates of the best colleges will no doubt land good jobs. Moreover, some critics poo-poo such longrange market forecasts. But the sobering reality is that the BLS forecasts have become "increasingly reliable: the trends, if not the precise numbers, are usually right," the magazine says.

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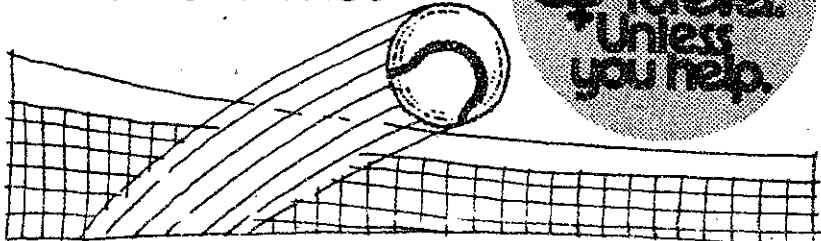
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ON-CAMPUS INTERVIEWS:
Wednesday, February 22

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Looking Back:**Costs raised in past**

Editor's Note: The annual "spontaneous tuition riot," as well as the students' deeper feelings of resentment and frustration at the seemingly inexorable rate of tuition rise, are far from being new occurrences. This opinion page column from almost twenty years back analyzes the tuition situation \$3000 ago.

(Reprinted from April, 1961)

Looking back upon the announced rise in tuition, and the "riot" that followed, certain conclusions can be drawn. First, seventeen hundred dollars really does sound like an appalling amount of money to have to spend for an education each year; the average per capita income in this country is only a few hundred dollars more a year than MIT's tuition will be. This fact alone, is enough to give anyone pause in considering the state of higher education in the private universities of this country. If the trend of the past ten years continues, MIT tuition will go to two thousand dollars within the next five years. Where the cost increase spiral will end nobody is willing to attempt to guess. The growing disparity between cost at the large state universities and cost at the private institutions, as well as the growing disparity between the number each educates is going to force a hard look at the goals of the private institutions.

MIT and the Ivy League colleges, have determined to maintain the size of their student bodies at pretty much the present level. Any increase in size will come about very slowly, over a period of many years. The post-war jump in enrollment that occurred at MIT is not expected to happen again. Thus the private schools are going to find themselves educating a elite group of students: those who can gain admission and also afford the financial drain. If the private schools hope to continue to attract qualified students, they will have to maintain some kind of superiority over the publicly supported schools. This superiority will have to be an intellectual one, both in the research laboratories, and in the classroom. The example of the University of California, and other state universities is proof that this superiority is going to be more and more difficult to maintain as the years go by.

We sincerely hope, that MIT, as something of a pace-setter in the tuition area, will be able to convince high school students that paying for an MIT education is worthwhile and that financial help is available. The nine percent drop in applicants for the freshman class of 1965 has not proved to be attributable to the high cost of an MIT education, but it has not been disproved either.

* * * *

The riot that followed the night after the announcement of the tuition increase, was a sort of gesture of resigned bewilderment.

It really does seem as though no one quite knew what to say or do about the rise. As it was, there was more noise than anger, and certainly more noise than destruction. It rather ill-bespeaks the Boston papers their coverage of the story. As Dr. Stratton remarked, "It didn't sound like our riot." Fortunately, most out of town papers ignored it in favor of the more spectacular Fort Lauderdale commotion. Not that we are in favor of suppressing a good story just because it might be somewhat embarrassing to MIT, public relations conscious as it is, but this was simply not worthy of the play it received in the Boston papers.

The aspect of the riot that has brought the attention of the Office of the Dean, is the indication that it was not spontaneous and unpremeditated. On the contrary, the existence of a riot "schedule" and good evidence that the demonstration was planned by certain individuals in advance, has brought the Judicial Committee into the picture. The leaders of any such demonstration as this, can always expect to get into trouble, particularly when they seemed to have in mind more the idea of "having a riot," than the idea of what they are rioting over.

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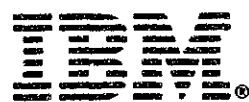
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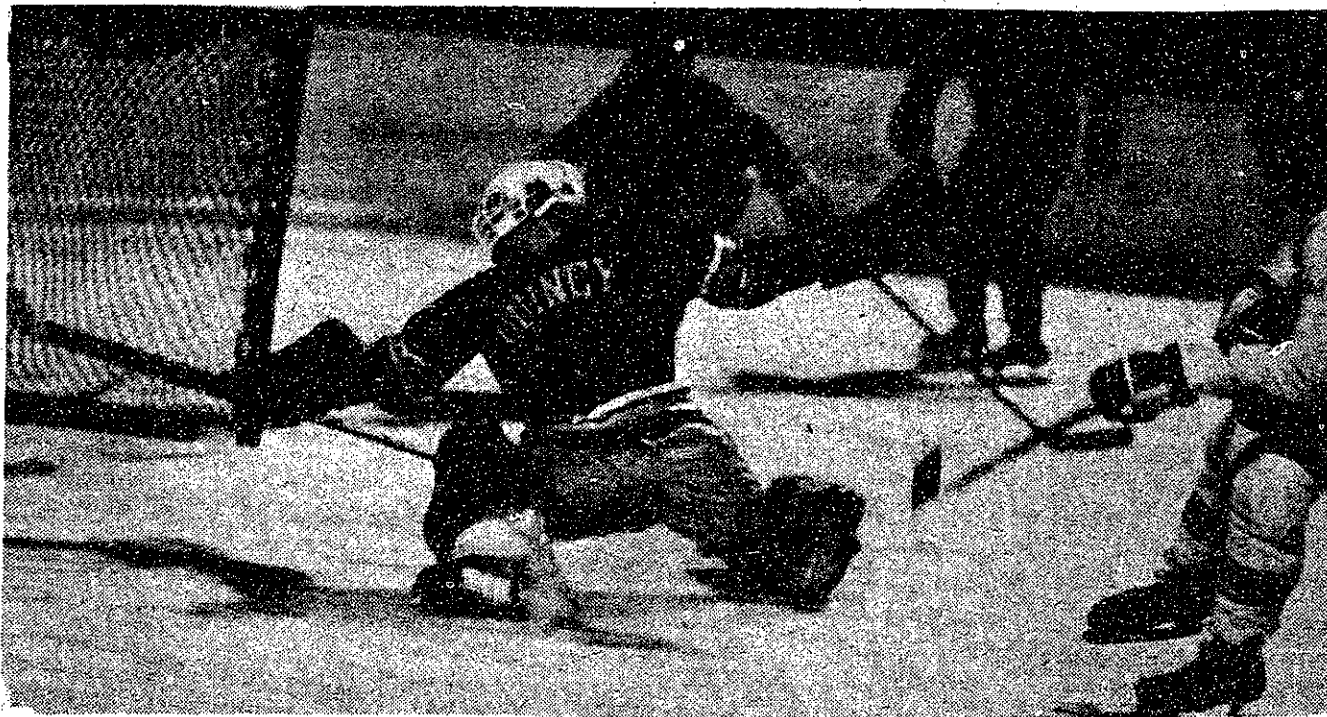
Hockey records first shutout since 1962

By Tom Stagliano
(Tom Stagliano is a goalie on the hockey team)

The MIT hockey squad entered the second half of their season with a 3-0 shutout over Bates, the first MIT shutout in sixteen years. This win capped a five game stretch which upped the Beaver record to 9-2 on the season. The Tech skaters met two tough Division III teams last week, besting Fitchburg State 6-2 and losing to powerhouse Plymouth State, 3-6. This past week saw the Beavers beat Tufts 6-3, blast Massachusetts College of Pharmacy 11-3 and post their shutout over Bates.

MIT has become a second period club tallying 20 of their last 29 goals in this period. The reason for this seems to hinge on the Beaver style of play. MIT practices a dump and run brand of hockey and it is not until the second period that they have worn their opponents down. This style has its faults if the squad becomes depleted, but no serious injuries have plagued the club and the presence of four lines and six defensemen leads to a relentless assault on the opposing goal. The other fault is a tendency to sit on their lead in the last period and this is something that coach Pecknold will have to solve by team motivation. The best practitioners of motivated hockey are the line centered by Rick Bryant '79, with Dave Damery '80 and Lou Oddette '72 at wings, who as a unit have notched 13 goals and 20 assists.

The MIT offense is led by freshman Duane Horton who tallied twice against Bates and six times in the last five games for a total of ten goals and five assists on the season. Captain Dave Tohir '79 and left wing Dave Damery '80 bolster the Beaver scoring punch with eight goals each and a total of thirteen assists. The main story of MIT hockey is its defense. The blueliners are led by Allen Strong '80 (five goals and seven assists) who, at 6'1" and 180 lbs., quarterbacks the team, senior Wally Corwin (three goals and two assists) whose solid man-down play and aggressiveness around his net have kept the opponents at bay, and Don Silverstein '77 whose defensive knowledge and play stabilizes the



MIT scores during the second period of a 6-3 victory over Quincy. The Beavers, now 9-2, have scored 20 of their 29 goals in the second period this season. (Photo by Gordon Haff)

Beaver squad. Behind the defense is senior goaltender Dan Costa who shut the door on Bates, stopping twenty-five shots and lowering his goals against average to 2.17, the best in Division III.

Two other hockey records fell this week: the eleven goals pushed past MCP is the first time MIT has hit double figures since a 1970 upset of Lehigh, 10-5 and the 9-2 season start is the best midseason record of any MIT hockey team and could lead to MIT's best

overall season finish. Coach Pecknold claims that the team depth and unity have led to the excellent play demonstrated over December and January.

The loss to Plymouth State came about as two highly psyched teams clashed. Plymouth was coming off a crushing overtime loss to Framingham State, the leading team in Division III and their goaltender was playing with his catching hand in a cast, oblivious to the pain and looking

for the win. The Beavers eliminated themselves by taking six retaliatory penalties and skating most of the third period a man down. Pecknold was able to stabilize his squad and with several line shifts put three convincing victories together.

The Beavers will play nine matches over the next three weeks, facing Curry at home on Wednesday and taking their western road trip to face Assumption and Nichols next week.

score board

Bowdoin 69, Basketball 56
Women's basketball 62, Suffolk 30
Women's basketball 52, Bates 43
Brown 56, Women's basketball 48
Fencing 12, Brown 4
Women's fencing 12, Brown 4
Hockey 6, Tufts 3
Hockey 11, Mass College of Pharmacy 3
Hockey 3, Bates 0
Boston College 36, Wrestling 15
Amherst 57, Swimming 56

on deck

Tuesday
Women's fencing at Harvard 6pm
Women's gymnastics at Boston State 6pm
Wrestling vs. Connecticut at WPI 6pm
Women's swimming at Wellesley 6:30pm
Women's basketball at Wellesley 7pm
Basketball vs. Nichols at MIT 8:15pm

Wednesday
Swimming vs. Boston University at MIT 6pm
Hockey vs. Curry College at MIT 7pm

Thursday
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sporting notices

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Team entry forms for intramural table tennis are due Fri., Feb. 10 at 6pm in the Table Tennis Manager's mailbox in W32-131. Teams must have a minimum of seven players to enter, but it is necessary to have only four team members present for each match. Contact Eric Oelkers (x5-6366) for more information.

The Intramural Swimming Meet will be held on March 2, 3, 4 at the Alumni Pool. Each swimmer will be permitted to compete in three events, one of which must be a relay. Team entries are due Fri., Feb. 24 at 5pm in the Swimming Manager's mailbox in W32-131. Contact Karen Fabricius (5-7157) for more information.