

Gray addresses MIT issues

By Burt S. Kaliski

David S. Saxon '41, chairman of the MIT Corporation, made his first address to the faculty, and President Paul E. Gray '54 discussed current MIT issues at this term's first regular meeting of the faculty Wednesday.

Gray commented on the Institute's budget, the nuclear testing referendum which will appear on the Cambridge ballot this fall, and the Solomon Amendment requiring students to register for the draft to receive federal financial aid.

The Institute's budget deficit for 1982-83, at about \$2 million, was smaller than expected, Gray said. The decrease was the result of "close attention to cost control and budget control across the Institute," he said.

A reduction in support services, with a corresponding reduction in overhead expenses, and an unanticipated federal allowance for indirect research costs in previous years also contributed to the decrease in the deficit, Gray explained.

Gray predicted a deficit for 1983-84 of about \$1.5 million, but said the budget may balance if MIT receives sufficient research funding.

MIT's friend-of-the-court brief filed with the Massachusetts Supreme Judicial Court, which claimed unconstitutional a proposed restriction on nuclear testing, is "moot," Gray said, in light of the city council's decision Monday to place the referendum on the Cambridge ballot this fall.

The Institute may challenge the restriction, which forbids testing and evaluation of nuclear weapons or components, should the

referendum pass, he said. The proposal, by prohibiting evaluation of weapons, "imposes constraints on free speech which have to be the issue of the university," Gray said.

"This is not gratuitous, and not taken in an effort to meddle in the affairs in Cambridge," he said.

MIT should "communicate with members of the MIT family who live in Cambridge ... to make clear why we have done what we have done," Gray said.

The Department of Education will require MIT to confirm a student's compliance with draft registration laws before awarding students federal financial aid, effective Oct. 1, Gray said, ending a three-month grace period in which MIT could award aid prior to receiving the draft registration statement.

The Institute will not replace lost federal aid "in kind," Gray said, although he had suggested giving subsidized loans to non-registrants last term. MIT will instead help affected students obtain market-rate loans from local banks and will inform students of employment opportunities.

Eight students have told the Student Financial Aid Office they will not register for the draft and are therefore ineligible for federal aid, Gray said.

Prof. Jerome Y. Lettvin '47 presented a letter to the faculty and administration by Scott R. Saleska '85, one of the eight refusing to register. Saleska stated he is unable to afford MIT without financial aid, so is taking a leave of absence.

"To be truly educated is to possess much more than the

skill" for a well-paying job, Saleska's letter states. "Many abilities ... cannot be taught," he continues.

Gray said the Solomon Amendment, "is bad public policy, discriminatory in character, couples things which ought not be coupled," and places upon universities the burden of policing the distribution of federal aid.

Although the regulation applies only to male students, "the Department of Education, in its wisdom, wrote the regulation for all students," Gray explained. "If you think it's silly for us, think about Wellesley," he joked.

MIT may decide to put forth its opinion on the rule when the US Supreme Court reviews the constitutionality of the regulation next month, Gray said.

"It is at least bad public policy, but it is the law," he said. "MIT

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75 computers arrive from DEC for Project Athena

By Burt S. Kaliski

Project Athena, a large-scale experiment in integrating computers into the undergraduate academic program, is now underway, Gerald L. Wilson '57, dean of the School of Engineering, reported at a faculty meeting Wednesday.

Digital Equipment Corp. has delivered a quarter of the 300 personal computers, terminals and graphics stations promised for the first phase of the project, according to Prof. James D. Bruce '60, director of equipment

installation.

The School of Engineering, which will use most of the Digital equipment, is installing the computers and expects another 75 terminals by the end of the term, Bruce said.

The first shipment of personal computers from IBM Corp., mainly for use by MIT's four other schools and all freshmen, is expected in January, Bruce said.

The delivery lags behind Digital's because IBM completed negotiations with MIT six months later than DEC, Bruce said.

IBM's computers will be connected to a network when all 800 computers from the two companies are installed by September 1984, the end of the first phase of the project. The computers will be available for educational use

beginning in academic year 1984-85, Bruce said.

MIT will spend \$12 to \$14 million over the next five years to develop software for the systems, Wilson said. Computers from both manufacturers will use a single operating system, and a test version should be running by spring.

Project Athena is scheduled for completion in 1988. It will provide 3000 terminals and computers, multiplying by four or five the computational resources available to MIT faculty members and students, Bruce said.

"Just finding 40,000 square feet [for the equipment] is a non-trivial matter," Bruce noted.

The terminals will be organized in clusters for "security and pro-

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ODSA staffer may have conflict of interest

By John J. Ying

The promotion of Andrew M. Eisenmann '75, acting director of the Student Art Association (SAA), to Dean's Office staff assistant this year created a possible conflict of interest between his responsibilities as the head of a student organization and as an employee of the MIT administration.

All student activity leaders on campus have a vote in the Association of Student Activities (ASA). That body is responsible for recognizing new student groups and allocating office space and bulletin boards to them.

Eisenmann attended several ASA meetings last year as the acting director of the art association.

Stephen D. Immerman, assistant dean for student affairs and Eisenmann's immediate superior in the Dean's Office, said Eisenmann "should not be going to ASA meetings this year."

"The SAA for all intents and purposes does not exist," he said, and Eisenmann's attendance at past ASA meetings "only seems to be a fallacy" that the Student Art Association is an active organization.

Eisenmann's participation in ASA is "not a good thing," said Kirsy C. Allison '84, ASA president. She said Eisenmann's position in the Dean's Office and his involvement in ASA are a conflict of interest.

"To the best of my knowledge, this has not happened before,"

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Tech photo by Steve M. Wheatman

Worcester Polytechnic Institute blanked the MIT soccer team 5-0 Tuesday.

Hart discusses Central America

By Daniel Crean

"We have the wrong policy in Central America because we focus on the wrong enemy. The enemy is not communism; it is poverty," presidential candidate Sen. Gary Hart (D-Colo.), said Tuesday at Boston University.

The Reagan administration's policy is based on "myths" that the Central American problems are external in origin, that the stability of the Western Hemisphere is dependent on peace in the region, and that American aid, both covert and overt, is the best solution, Hart said.

Hart is one of seven candidates currently campaigning for the Democratic presidential nomination. He is a second-term senator and a member of the Senate Armed Services Committee.

Central American nations "won't put up with American paternalism" from American policymakers who "practice a sophisticated form of colonialism," he said.

Extreme poverty and extremist political groups are the main cause of the region's problems, he said. "There will be no stability in Central America until there is

economic progress."

Current American policy is diplomatically, strategically and historically wrong, "and most of all it is morally wrong," Hart claimed. It is based on the "mindless bureaucratic thinking that got us into Vietnam."

"I think this country has a profound responsibility to exercise leadership in this hemisphere," Hart said. He proposed "an alliance for democracy in Central America."

"Exercising leadership means first insisting on human rights,"

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inside

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Soccer shut out by other Engineers. Page 19.

Union to vote on contract

By Diana ben-Aaron
MIT Dining Service employees represented by Local 26 of the Hotel, Restaurant, and Institutional Employees and Bartenders Union will soon meet to vote on a two-year contract offered them by the Institute, according to Domenico Bozzotto, president and business manager of the union.

About 65 MIT employees are members of his union, Bozzotto said, and a vote has been delayed by difficulty in scheduling a meeting at which to cast ballots.

"On September 16, we reached an agreement between Local 26

and MIT to submit our final offer for a vote," said James J. Culliton, assistant to the vice-president and director of personnel for MIT. Culliton said he expected a vote "sometime next week."

"The final offer is very different from the original offer [MIT] made," Bozzotto said. He identified pay raises and medical-insurance packages as the main issues on which the two sides fail to agree. "The question is whether the difference is enough to strike over," he said.

"We have feelers out to the maintenance workers' union to

see if they'll support us if we strike," Bozzotto explained. "But there's no way to know whether they really will or not until it happens." Bozzotto said the union hopes for community and student support if it strikes.

The union's previous contract expired July 1, but has been extended from meeting to meeting for the duration of the negotiations. "For any contract we agreed on, the wage increase would be retroactive to July 1," said Bozzotto.

Local 254 of the Service Em-
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Computer facilities expand

(Continued from page 1)

tion from losing equipment," and the clusters will probably be open all hours, Bruce explained. A group of faculty members may take two or three terminals for use in an office, he said, but they would assume financial responsibility for the equipment should it be damaged or lost.

Terminals will not yet be placed in individual offices, Bruce said, to allow maximum access by members of the MIT community. The Digital terminals are restricted to within a fixed distance from a main computer; IBM's are not.

"We want to ensure that these resources are here for faculty and students in general," Wilson said.

Wilson said he would prepare a document on the status of the project for distribution to faculty members within the next three weeks. The faculty should discuss the report at a later meeting, he said.

Project Athena will include introductory computer subjects for faculty members during January, and seminars during the term.

"Computers with graphics are a new medium" for learning, Wilson said. They can be used to "teach concepts, develop intuition, and to teach design."

Professors of political science, Wilson said, have suggested using computers for modeling interactions of two or three political systems. The economics department said economic models will allow students to gain "an understanding ... that goes beyond equations."

The biology department has suggested using graphics for study of protein molecules, Wilson continued, and professors of materials science expressed interest in studying the behavior of crystals by computer.

Such new teaching methods would go "far beyond the sphere

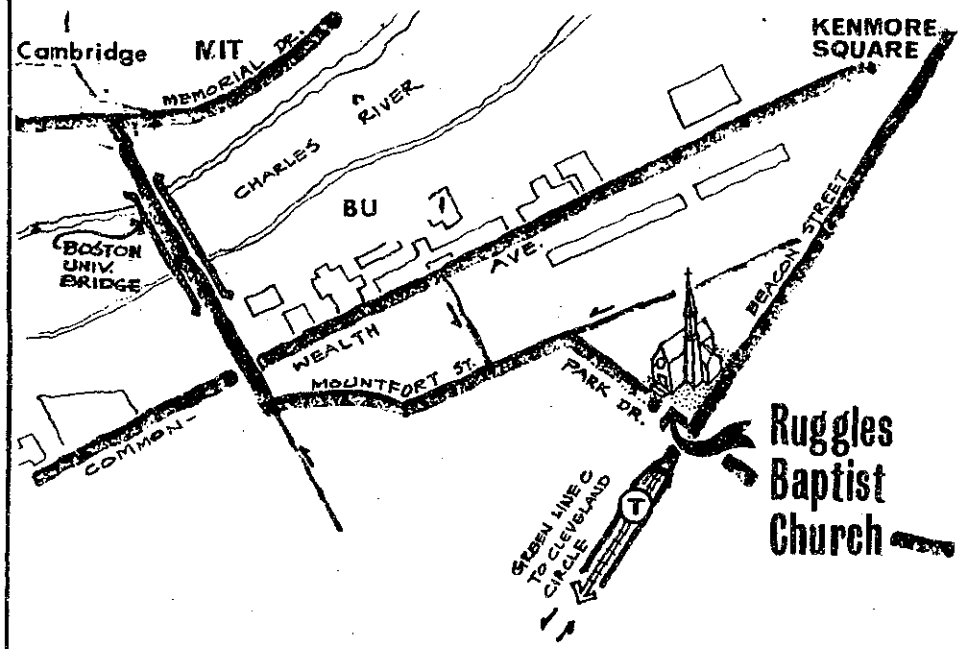
and stick models people have used in the past," Wilson said. A computer program could tutor students in problem-solving, he said, like "a faculty member looking over their shoulders."

"We are poor computer-wise ... in terms of the resources that faculty and students have," he said. Project Athena's "advantages are seen and shared by the computer manufacturers as well.

"By bringing together this new technology ... things are going to happen that have a major effect on the education of our students," Wilson continued.

The context of the project "is not one in which we specify the kind of experiments that are to be done," Wilson told the faculty. "We have provided an environment and now we want to hear from you."

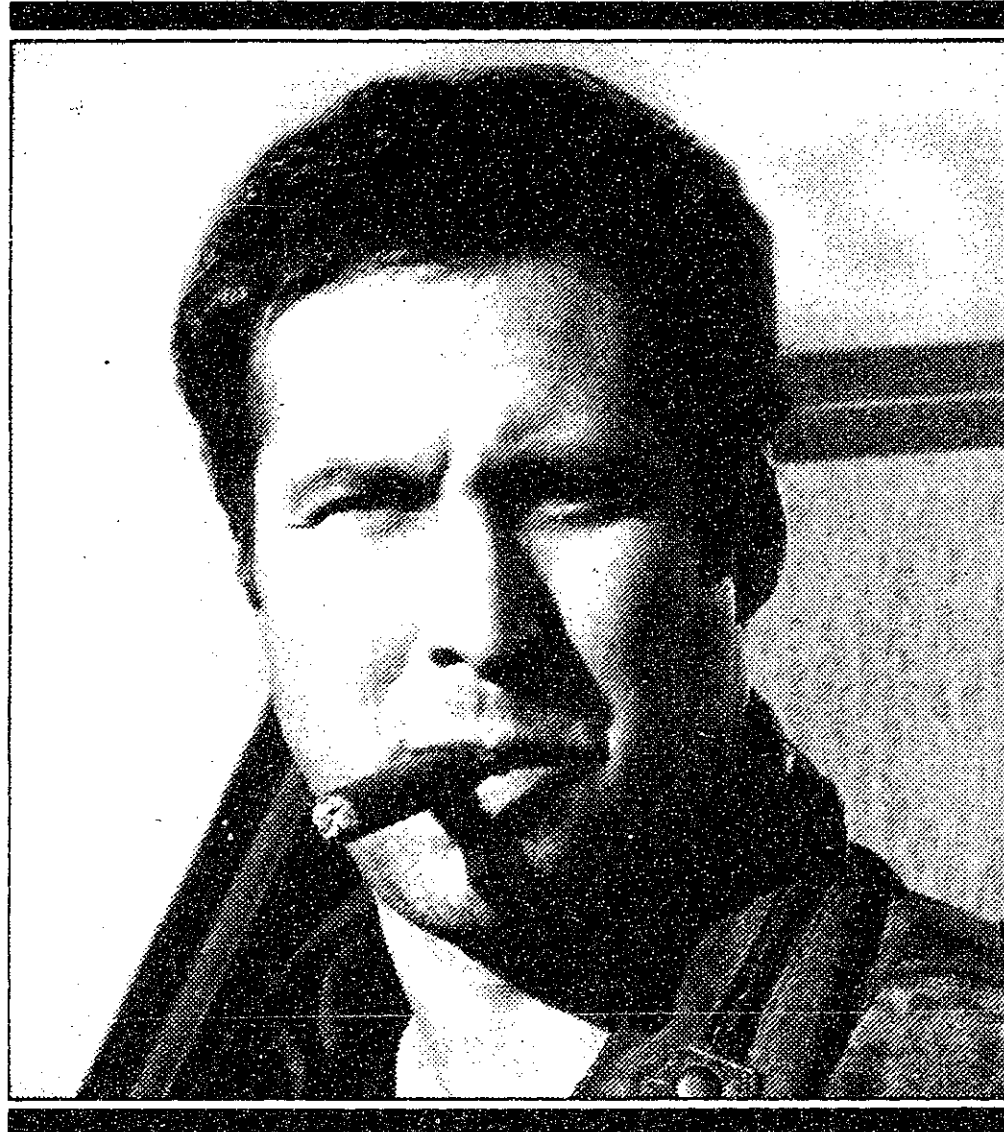
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news roundup

World

Soviet official calls pilots "trigger happy" — A Soviet official said Wednesday that the pilots who shot down the Korean Air Lines 747 were "trigger-happy." The official, Viktor Linnyk, a political consultant in the Soviet Department of International Affairs, later retracted the remark, in which he cast doubt on the official Soviet position that the airliner was on a spying mission. Viktor Afanasyev, editor in chief of *Pravda*, criticized Soviet military leaders for waiting six days before admitting the plane was shot down.

Eleven die at an anti-government rally in Manila — Police battled protestors rallying against Philippine President Ferdinand Marcos in Manila Wednesday, leaving 11 dead and 247 wounded. The rioting, Manila's worst in 18 years, was prompted by the assassination of Benigno Aquino, an opposition leader killed returning from the United States a month ago. President Reagan announced that he has no plans to cancel his scheduled trip to the Philippines in November.

Nation

The House of Representatives approves \$3.5 billion job plan — The House of Representatives approved Wednesday a \$3.5 billion program to provide jobs, repairing and maintaining public facilities, for 500,000 unemployed people. The bill is not expected to pass the Republican-controlled Senate.

Reagan defends the American delegate to the UN — President Reagan defended US delegate to the United Nations, Charles Lichenstein, who suggested Monday that the United States would not object if the UN members wished to move the organization elsewhere. The remark, responding to Soviet assertions the United States failed in its duties as UN host, caused 24 Democratic congressmen to demand Lichenstein's resignation.

Sports

Australia II obliterates Liberty — Australia II easily defeated the American yacht, Liberty, yesterday by 4 minutes and 8 seconds, tying the best-of-seven America's Cup finals at 3-3. The final and deciding race is scheduled for either today or tomorrow, depending on the weather.

Janice Eisen

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Opinion

Editorial

Library fee hikes no small change

The MIT Libraries' decision to increase photocopying charges and fines for overdue books and reserve material is unjustified and further burdens the students and other members of the community the libraries ostensibly serve.

An *ad hoc* library task force changed the policy over the summer, apparently independent of the larger MIT budgetary process. The decision demonstrates once again that the libraries see themselves as a luxury to MIT students and staff, rather than an essential service.

Libraries Director Jay K. Lucker attempted to justify the fine hikes by citing overhead costs of processing of overdue books and by claiming the increased fines will help deter borrowers from keeping books past their due dates.

His argument ignores that most late returns of material are due to inadvertent negligence, rather than selfish malice. A 25-cent daily fine will not help the forgetful student remember to return his overdue books any more than a 10-cent fine and is unlikely to deter a person willfully holding books past their due date.

If the fine increase is purposeless, then the doubling of photocopying charges is downright malicious. Lucker claims "administrative costs" forced the hike. What is the administrative cost behind a copying machine? Was it really increased 100 percent?

Copies cost less than a nickel a page at many nearby commercial printing shops, and three cents at MIT Graphic Arts locations scattered about the campus. Are the libraries so inefficiently managed that they must charge over three times the prevailing rate for use of self-service machines?

Yet library users are forced to pay the inflated price, because many books and documents and most other reference material cannot be taken from the libraries.

Users of the MIT libraries, already disadvantaged by inadequate opening hours and the recent shortsighted decision to not continue acquiring the reserve books and other class readings which were the central service of the only 24-hour library, are being attacked financially as well. Perhaps Lucker and his *ad hoc* committee will next decide to charge an overhead fee each time a book is borrowed, or an admission charge each time a user enters a library — and they won't ask anyone else about it first.

Guest Column/Peter Merkle

Hey nerd, take a hike

For the benefit of those new to the MIT community, I thought I might ease the transition from mundane pedestrian techniques to the high-technology ambulatory patterns prevalent at this venerable institution. A synopsis of current conventions among students and faculty has long been needed; I hope this incomplete catalogue of standards will suffice.

Basics

To begin, one must always be in a hurry. If one has no reason to hurry, one must find reasons to stop abruptly in the middle of the Infinite Corridor and reverse direction without warning. When in a hurry — preferably always — it is necessary to dodge through crowds swinging one's backpack in wide arcs, colliding at least once per hall transit with walls or pedestrians.

This activity should be pursued at a dead run around noon daily.

How to corner

When approaching corners, such as the one at the corridor to Buildings 12 and 24, accelerate and cut to the inside. Plant the inside foot at the wall-floor intersection, and grab the wall with the inside hand. This will maximize velocity as well as maintain the proper trajectory for post-corner maneuvers.

Impact with the person executing this maneuver from the other side is socially acceptable, and widely regarded as a great way to meet new friends at MIT.

Conversation while walking

It is essential that one's conver-

sation in the halls contain references to computers and their programs, any mathematical operation performed in *n*-space, problem sets, and how much sleep one enjoyed the previous evening.

Never discuss art, literature, social events, MIT sports, men, women, or the Doughnut Stand. For a change of pace, read an eight-foot-long computer print-out while eating a doughnut and walking very slowly.

Parties of pedestrians should travel three or more abreast, engaging in loud conversation on the aforementioned approved topics. Never allow others to pass, with the exception of President Paul E. Gray '54. When His Highness wishes to pass, the group should empty their pockets and assume an attitude of supplication, chanting, "Alms for the poor!" in an abject and craven manner.

Pedestrians traveling alone should at all times stay within 2 cm of the walls, head down, eyes on either the floor or the wonderful wall exhibits we have all enjoyed for years and years. Never look at fellow pedestrians, as this may result in eye contact, smiles, or actual social involvement.

Outdoor walking

When walking in the great outdoors, a practice discouraged in light of the wonderful wall exhibits, please refrain from meandering, feeding squirrels in winter, harassing tour guides, or otherwise acting as if one had nothing better to do than have fun on the scenic MIT campus. Instead,

travel in straight lines to your destination.

This will require you to damage shrubbery, lawns, and the occasional pariah lounging about on the grass catching rays. There are several well-marked ruts already in place, the results of years of practical Euclidean geometry on the part of our nonsense student body.

Avoid blazing new trails, freshmen: This could lead to confusion among upperclassmen, who are notorious creatures of habit.

Crossing Massachusetts Avenue

Ignore the walk/don't walk signal. It is there for the benefit of those in Course VI. Students in those courses may cross at will, kicking, jumping over, or otherwise intimidating vehicles. A handy method for all undesignated sophomores involves sliding down the handrail on the Building 7 steps and vaulting into the second lane.

Bicyclists and pedestrians

The key here is obstruction. Walk five abreast on sidewalks and bridges. If alone, sway back and forth erratically, thus confounding the cyclist's timing as he or she attempts to pass. Drop knapsacks at irregular intervals; one is sure to snag spokes eventually.

Final caveats

Campus Police are quite adept at spotting the unusual pedestrian: one who whistles, daydreams or looks as if he is not entirely miserable.

Walk smart. Your starting salary may depend on it.

The Tech

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Friday, September 23, 1983

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feedback

States policy on loans, draft

To the Editor:

One of the most important aspects of the draft registration/financial aid matter was only partially reported in the *The Tech* [Sept. 13]. The statement in question was, "if an unregistered student cashes a Guaranteed Student Loan check . . . [the Student Financial Aid Office (SFAO)] must divulge his name to the Department of Education. . . ."

A fuller statement of our obligation under regulation is, "if a student has not filed a statement of registration compliance with the SFAO, and if MIT learns that the proceeds of a Guaranteed

Student Loan (including PLUS loans) have been applied (by any means) for his or her benefit, then after Oct. 1, 1983, the SFAO must inform the Department of Education and the lender that the Institute's certification of loan eligibility was invalid."

This may appear to be splitting hairs, but I believe it's important for GSL applicants not intending to file the compliance form, to know they can't expect to circumvent the unfortunate fiscal consequences of that decision. Whether you have already cashed a GSL check or hope to later;

whether the Bursar has already deposited your GSL check to your account, or does so later — if any of those things happen, and the SFAO doesn't have a compliance statement on file by Oct. 1, then we must follow up with a repudiation of your GSL application. The inevitable result will be the lender calling back the loan.

If you don't intend to sign the compliance form, then try very hard *not* to negotiate your GSL check.

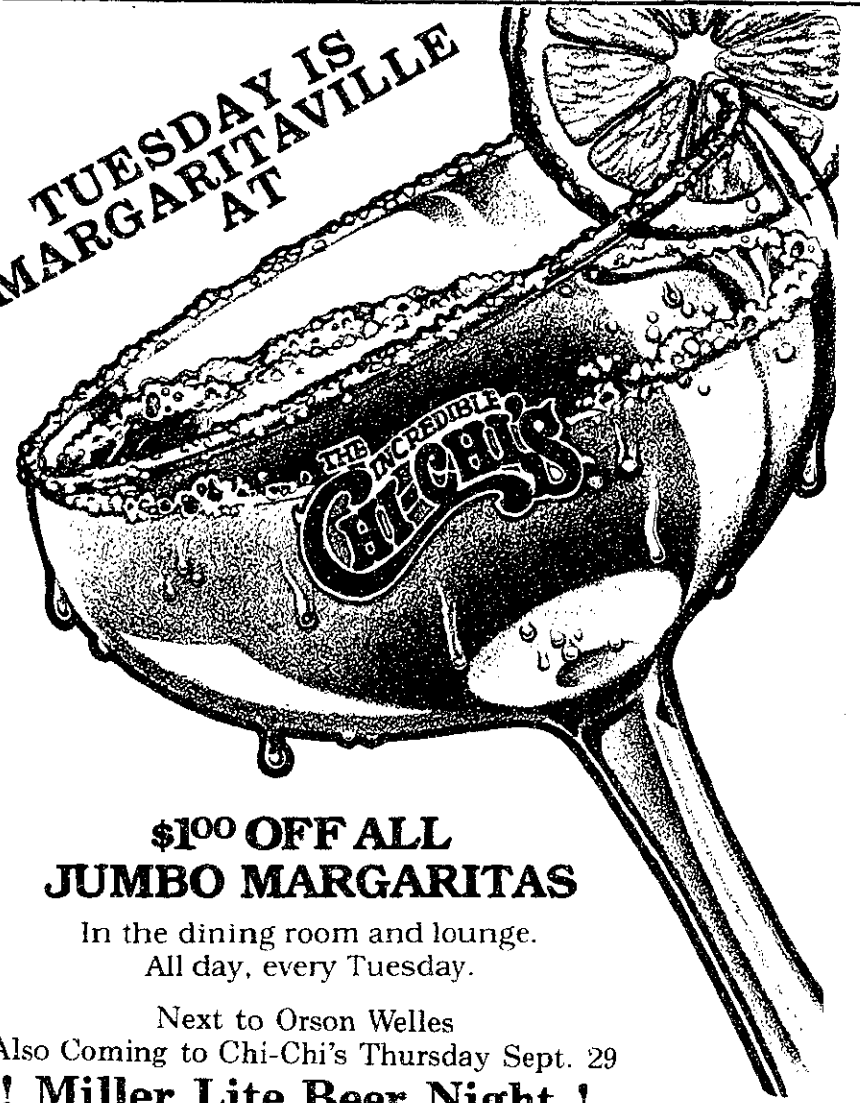
Leonard V. Gallagher '54
 Director of Student Financial Aid



opinion



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feedback

Two report another Coop theft

To the Editor:

We found it to be quite a coincidence that a letter regarding items stolen from the Coop was printed shortly after we suffered the same fate [Feedback, Sept. 20]. On Tuesday, Sept. 13, we went to the Coop to pick up a few items. Because rain was expected, we both brought along umbrellas.

Upon entering the Coop, we put our umbrellas on the shelf near the book department. At about 6:40 — the Coop was open until 7:00 that night — we left; it wasn't until we reached East Campus that we both realized that we had forgotten our umbrellas.

At 6:50, Jim called the Coop and talked to a young lady in the electronics department. She said that, yes, she saw them, and that they would be behind the desk for us in the morning. The next day, Adam went to the Coop to pick up the umbrellas. Alas, the Coop had no idea to what he was referring.

The young lady in the electronics department said that she had forgotten to mention it to somebody, apparently assuming that someone had taken care of it for her. Nevertheless, between 6:50 and 7:00 that night, someone walked off with our umbrellas; and, if that is not the case, an even more upsetting possibility exists — that they were taken by an employee as he or she left the store, thinking that if it was left on the shelf then it had been forgotten, thus making it "fair game."

A report was filled out for MIT Campus Police, at which time we learned that "this sort of thing happens a lot." So, we are left with the fact that it is remarkably easy to walk away with something left on that shelf — even if the store is virtually empty, as it was that night.

Suggestions? A security guard could be posted, or the Coop could adopt a system whereby you could actually check your things — complicated, perhaps, but if "this sort of thing" is as widespread as we have been led to believe, then the end — security — certainly justifies the means.

Adam Bernard '86
James H. Koening '87

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feedback

Gained new perspective on prejudice at home

To the Editor:

It was about this time last year that I stepped off of a 747 onto African soil to spend a junior semester abroad in Kenya and Uganda. It was the first time in my life that I had ever been a minority. This situation was intimidating at times and I'm not sure I ever really transcended it.

The differences between my culture and theirs was very real, and I found myself seeking out the company of my fellow Americans. As I did this I started to understand why minorities at MIT had a tendency to stick together. It's natural human feeling to be with people who are like yourself and with whom you can truly communicate.

The problem I had with this feeling was that I could never really experience Africa until I broke my self-made bubble and ventured out into the unknown. It's really hard to break down those barriers of race, culture, and education — sometimes it is impossible. However, I found that when my efforts were sincere a whole world of human relationships opened up to me. By limiting our interactions to only people who are like us we inhibit our ability to grow as human beings.

I remember coming back to the States and noticing a tremendous number of misconceptions and prejudices, ranging from the blatant to the very subtle. Recently, an interracial couple who are good friends of mine were walking down Massachusetts Avenue when a car pulled up and hurled a beer bottle and several racial slurs at them. Obviously, most prejudice is not this overt, but shortly thereafter I remember having an extremely heated discussion with a friend about whether racism was a problem in the United States. I couldn't believe someone could insist that prejudice was not a problem when he had never talked to a person of color.

All of us at MIT have unlimited opportunities to learn what other people are all about, yet most of us rarely do. By not doing so, we are hindering ourselves

from becoming loving human beings. I guess the problem is that remaining the way we are is very easy while changing ourselves always takes effort and is often very uncomfortable. To solve the problem of prejudice requires a fundamental change in our attitudes towards other human beings and a ceaseless effort by everyone. If this solution could be attained, I think most of our other problems would also be solved.

How much prejudice is there at MIT? I would be interested in finding out what other people felt about this issue.

Roy Steiner '85

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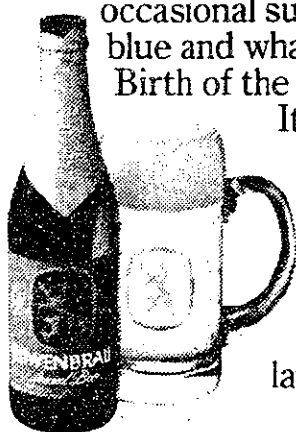


A deftly hurled splotch of magenta blended surrealistically, with a cascade of vermilion, occasional suggestions of orange and cobalt blue and what do you have? What else: "The Birth of the Universe."

It's the painting that completed your art final, and frankly, you couldn't have done it by yourself.

Afterwards, it's time for a little down-to-earth gratitude. You owe them at least a few

Löwenbräus, not to mention the laundry bill.



Löwenbräu. Here's to good friends.

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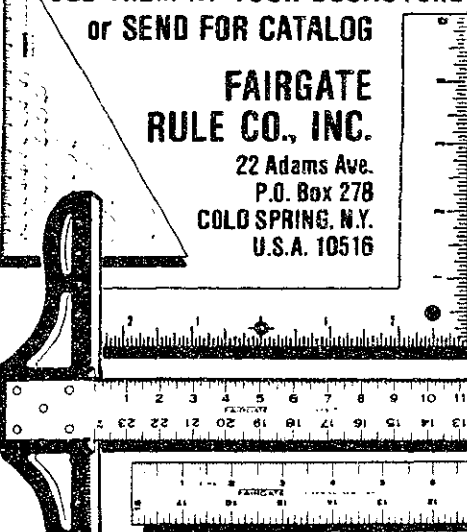
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feedback

Supports LSC, showing of film

To the Editor:

I would like to express a view toward the issue of X-rated movies that I have not seen expressed yet. I would like to support the Lecture Series Committee's showing of the triple-X-rated movie, "Take-Off."

Everyone had the choice of whether to watch the movie or not. Although X-rated movies are not as readily accepted as other forms of entertainment, I feel that no one should have the right to decide what I choose to watch. LSC handled the issue very well, and I would particularly like to commend them on their foresight to post signs stating, "Please tell us if you feel you are being pressured into seeing this movie." Taking measures such as that help to insure that people are going to see the movie under their own free will.

I do have some criticism on an important matter that I feel LSC

overlooked. I did not see anyone checking identification to insure that everyone seeing the movie was of age. Despite the fact that it was a registration day movie for students, it is still important to obey the Motion Picture Association's rule of admittance to X-rated films.

I would also like to take this opportunity to react to D. B. Sweetser's letter, headlined "Hatred shown at registration film" [Feedback, Sept. 16]. In his letter, Sweetser said that he was disappointed in Sigma Alpha Epsilon's slandering of the other fraternities and the mass hatred reflected back toward them. I would like to suggest to Sweetser that it was not mass hatred being displayed, but rather a game that is played here at MIT to break the monotony of classes. I feel it had the equivalent impact as the familiar chant "L-S-C sucks." These

chants are not intended to hurt others, but rather to provide a bit of comic relief.

As a whole, I feel that LSC handled the presentation very well. I do not feel that it is harmful to the community in that attendance was completely voluntary. Just as those opposed to X-rated movies have their right to express their opposition, those who would like to see them should have a right to see them.

Damon E. Bostick '87

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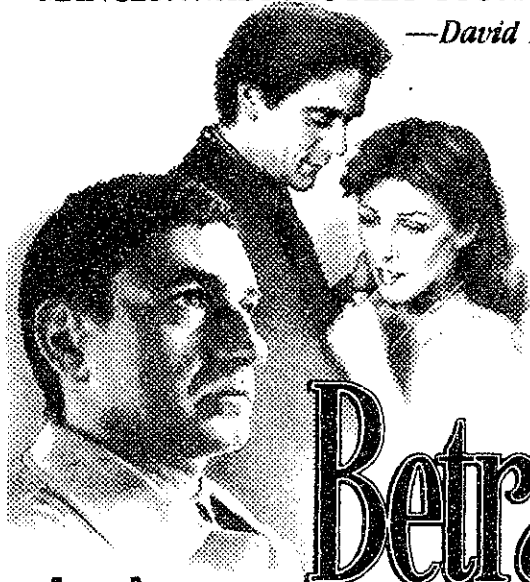
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The Tech

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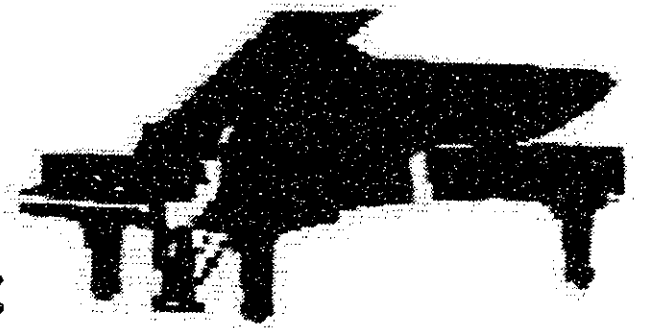
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September 24, 1983

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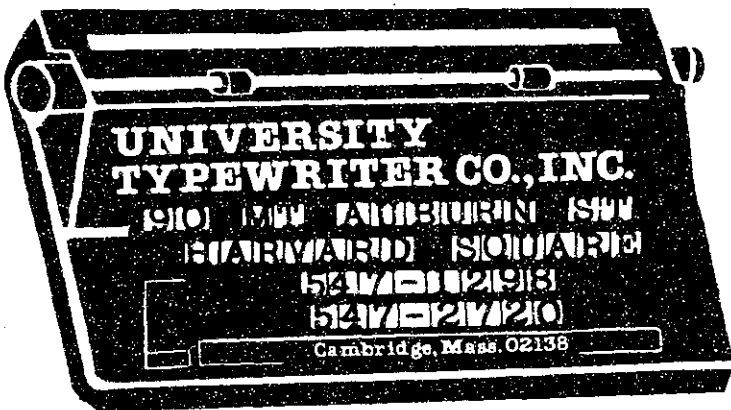
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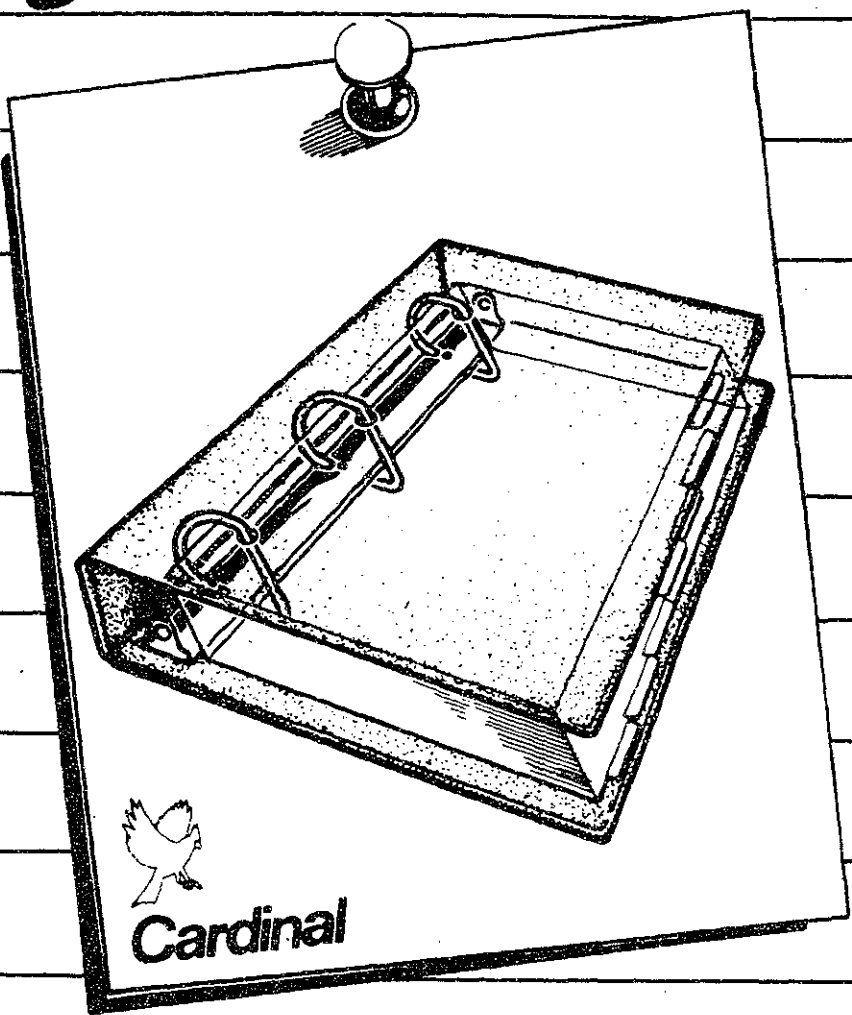
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Union to decide on contract

(Continued from page 2)

ployees' International Union, which represents maintenance and custodial workers, voted almost by a 2-to-1 margin Sept. 2

Promotion may cause conflict

(Continued from page 1)

Allison said, and indicated she would bring the issue before ASA's executive board.

Eisenmann said the Dean's Office paid his salary last year and always considered him technically on the staff. This year, however, he received a title and gained new responsibilities.

Only half his time is now spent working as director of the SAA, Eisenmann said. The other half is spent supporting the residence and campus activities section of the Dean's Office.

The Student Art Association does not operate the art classes in the Student Center, according to Eisenmann. The Student Center Art Studio — a facility run by the Dean's Office — actually sponsors the classes, he said.

Eisenmann noted the SAA has not existed as an active group in the past ten years. The student directors of the SAA should serve as advisors to the director of the art studio, he said.

Flyers and listings for classes in recent years have carried the name of the Student Art Association, however, and not that of the Student Center Art Studio.

Profs hear Gray, Saxon

(Continued from page 1)

has no choice but to abide by it." Any other choice by the Institute, he said, would ask students who had registered to subsidize the conscience of others.

"For every student who feels a moral obligation not to register for the draft, there is another student who feels a moral obligation to do so," he said.

Chairman of the Corporation David S. Saxon made his first address to the faculty at Wednesday's meeting, preceding Gray's remarks. He said he was proud to be associated with MIT and the University of California, where he was formerly president.

Addressing the faculty gave him a new "vista" and a chance to be at the podium of the room in which he once attended class, he said.

to accept MIT's contract offer.

"The vote is a comment in itself," said Francis Fanning, business agent for Local 254. Fanning added that a simple majority was all that was required to accept the contract.

Contracts for the MIT Research, Development, and Technical Employees' Union and the Lincoln Laboratory security guards' union also expired July 1.

The Research, Development, and Technical Employees' Union held an all-day meeting with the MIT Personnel Office yesterday, while the guards' union has rejected MIT's latest offer, accord-

ing to Culliton.

"Right now, we've only had a couple of meetings with the MIT Personnel Office and we're at a standstill," said John Kelly, a negotiator for the Lincoln Laboratory guards' union. Kelly said the union was trying to persuade MIT to clarify ambiguous language in the contract, including a statement that MIT will cover "up to one-half" of medical costs.

The training and advancement program for the guards — including pay raises — and premium pay for certain positions are also at issue, Kelly said.

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M.I.T. HISTORY SECTION

HUM-D COURSES FOR THE FALL

21.350 The Ancient World I:
Near East and Greece
Tues., Thurs.—10-11, Thurs.—11-12
H.A.T.O. Reiche

The cultural and political history of the ancient Near East and Greece down to Alexander the Great. Readings include Near Eastern myths, Homer and Thucydides. Trips to local museums included.

21.352 The Middle Ages I
Mon., Wed.—3-4:30
R. M. Douglas

Transitions from Antiquity to "The First Europe," extending from the 3rd century to the 10th. Course includes study of early Christianity, rise of the Church, nomads, barbarian migrations, origins of feudalism.

21.356 History of the Western World I:
1500-1815
Mon., Wed., Fri.—9-10
T. H. Mahoney

The evolution of the western world between the end of the Middle Ages and the French Revolution. Course includes study of the Renaissance in Italy and Northern Europe; the Protestant and Catholic Reformations; the Scientific Revolution; and the American and French revolutions.

21.369 Marx, Darwin and Freud
Mon., Wed., Fri.—2-3
B. Mazlish

In-depth study of the attempts of Marx, Darwin and Freud to investigate the natural and cultural development of humans and society, which are treated as problems in creativity, intellectual history, history and philosophy of the cultural sciences and social thought.

21.390 American History to 1865
Mon., Wed., Fri.—10-11
P. Maier

A survey of American history from the colonial period through the Civil War that emphasizes the connection of social, economic, and political development.

21.409 American Ideas and Culture:
From the Puritans to the Civil War
Tues., Thurs.—11-12:30
A. D. Kaledin

American thought and culture from the 17th century to the Civil War, as expressed in the work of classic American writers, thinkers and artists, and as embodied in political, religious and reform movements and in social life and law.

21.412J American Urban History I
Thurs.—3-5
R. Fogelson

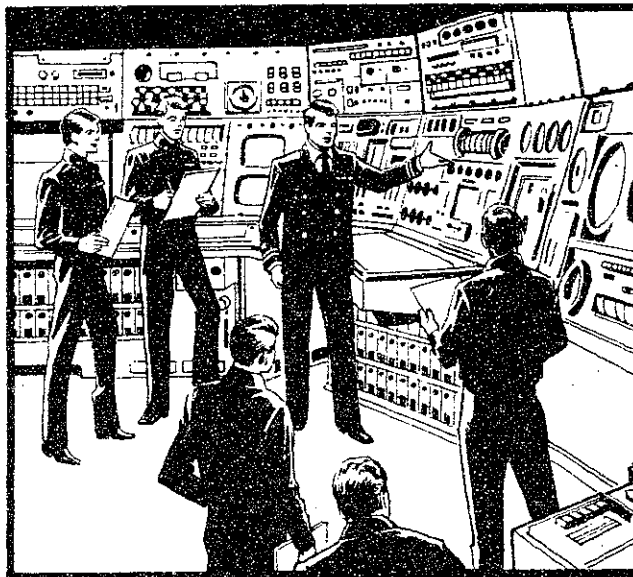
A seminar on institutions and institutional change in urban America from roughly 1890 to the present. Institutions discussed are political machines, police departments, schools, courts, hospitals, prisons, welfare departments and universities.

21.460 East Asian History: China
Mon., Wed., Fri.—11-12
R. Yates

History of Chinese civilization from 1500 B.C. through 1911 A.D. Course will study origins of Chinese civilization, Confucianism and Taoism, the early empire, the effects of Buddhism, popular literature, 19th century rebellion and decline.

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Pretty pictures, pretty music, pretty vacant

Koyaanisqatsi, a film by Godfrey Reggio, music by Philip Glass, cinematography by Ron Fricke. A Francis Ford Coppola presentation, now playing at the Sack Charles and Harvard Square theaters.

ko.yaa.nis.qatsi (from the Hopi language), n. 1. crazy life. 2. life in turmoil. 3. life dis-integrating. 4. life out of balance. 5. a state of life that calls for another way of living.

Koyaanisqatsi begins without a single word spoken. It ends the same way. In fact, the only things one hears through the entire '87 minutes of this "odyssey into wordless cinema" are the tumultuous score and exclamations of "oh, wow" from an awed audience.

Producer/director Godfrey Reggio attempts to show us the world we live in as we have not previously perceived it. His chief artistic tool is the use of time-lapse photography, a time-worn device transformed by cinematographer Ron Fricke into a new medium by applying it to fresh subjects. We've all seen time-lapse shots of suns rising and flowers growing, but Reggio and Fricke turn their lens to less obvious images: cloud shadows moving across desert buttes, shadows of buildings creeping over other buildings, cumulus clouds spilling waterfall-like over mountain peaks, and other seen-but-not-seen landscapes.

The nature shots, especially the aerial cloud sequences, are among the most beautiful on celluloid, but when Reggio

turns his attention to cities and "life in turmoil" he tips his hand, foreshadowing his socio-ecological sermon like a rookie boxer telegraphs his left hook.

What follows the initial time-lapse traffic sequence could be predicted by any first-year film student: The audience will be treated to assembly lines, commuters in Grand Central Station, buildings being demolished — all intercut with slow-motion shots (Contrast, get it?) of the time ravaged, dehumanized inhabitants of the industrial age frequently photographed by Diane Arbus.

Not all of Reggio's themes are treated so heavy-handedly. A shot of a 747 landing is underscored by a heavenly choir — his paean to the machine age. He pans back from an idyllic beach scene to reveal a few sunbathers seeking refuge in the shade of a towering oil storage tank, and the assembly line sequence showing Twinkies being manufactured recalls Charlie Chaplin's cake-packaging shtick from *Modern Times*.

As intent as Reggio seems on reworking the Chaplin classic in his own image, the message has not changed since 1936. Trite though the message may be, Reggio has achieved an ideal visual/musical synthesis, which in itself makes *Koyaanisqatsi* a worthwhile viewing experience. Keep in mind, however, that just as you should not expect entertainment with your sociology, you should not expect sociology with this entertainment.

David Shaw

KOYAAANISQATSIS

A la carte a Latacarta

Latacarta, 95B Winthrop Street, Cambridge, 354-0365.

Latacarta is a charming, relaxed, natural-foods restaurant hidden in Harvard Square next to the Crimson Galeria. It is located a half-flight below street level — consequently it has no windows — but this actually enhances the serene atmosphere.

Appetizers at Latacarta include mussels, pasta, and enchiladas, most of which are simply smaller portions of the entrees, making it possible to have a nice meal solely from two or three appetizers. In the past, I have had Latacarta's mussels, which are offered plain and in a variety of sauces. The steamed variety were some of the best I have ever tasted: They were delicate, coming easily out of their shells. In a word, exquisite.

The menu at Latacarta consists of a standard menu and a nightly menu. Recently, one of the nightly specials has been a dish consisting of mussels and pasta. The pasta was served in the center of a deep dish, with the twenty mussels arranged around the sides. It was hearty, a bit heavy for my tastes (I like light pasta), but was lightly seasoned, not stringy or sticky — properly prepared pasta, if a bit heavy.

I ordered an entree of stir-fried chicken with vegetables, served over brown rice, and my dinner partner had burritos. The

chicken was attractively presented, with squash, peppers, broccoli, water chestnuts, and other vegetables over a bed of finely cooked rice. The vegetables were correctly prepared — stir fried with the chicken, but still crispy — though there were not enough broccoli flowers. The burritos were accompanied by corn chips in lentil sauce. Both plates were mildly seasoned and tasted very good.

Latacarta offers a beverage selection that includes fine teas, mineral water, and various fruit juices. There is no liquor license, and it is not clear that you may bring your own bottle, so you may wish to call in advance.

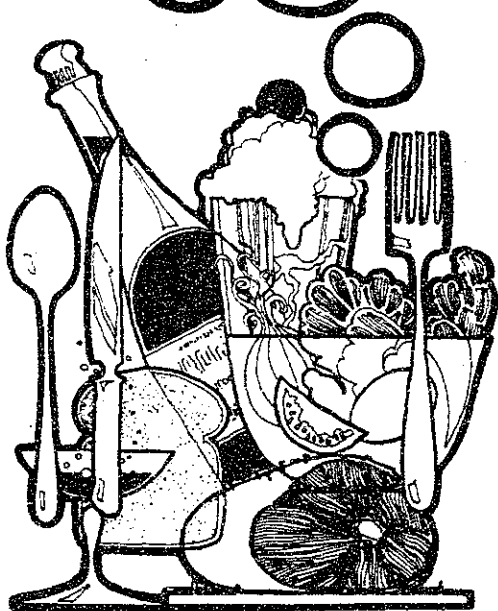
In accordance with its natural-foods orientation, meals at Latacarta, including desserts, are not prepared with white sugar, although the desserts are sweetened with maple syrup. Desserts offered include strawberry crunch cake and other fruit desserts in season. For those with a real sweet tooth, Häagen-Dazs ice cream is available. While the restaurant is not vegetarian, vegetarian meals are served.

Allow about 45 minutes to an hour for dinner, depending on what you order. Prices run \$4-8 for appetizers, \$5-9 for entrees. Subdued music accompanies your meal, which, in conjunction with its quiet atmosphere, makes Latacarta a lovely and relaxing retreat from the outside world.

Simson L. Garfinkel

ARTS

Thought for Food



The MIT Lecture Series presents the *Constellation II Laser Show*, featuring the music of the Police, the Who, Pink Floyd, and others. Monday, September 26, 7 & 10 pm, Kresge auditorium, tickets \$2.

Off the Wall presents Jean-Luc Godard's *Breathless* (yes, the original version), now through September 29. Shows nightly at 7:50 and 10 pm, Sat.-Sun. matinees at 2:30 and 4:40 pm. For information call 354-5678.

On the town

The Experimental Music Studio presents *Computer Da Camera*, a performance of chamber music for computer and live instruments. Two world premieres are featured: James Dashow's *In Winter Shine* and Graham Hair's *New Work for trombone and computer-processed sound*. Saturday, Sept. 24 at 8 pm in Kresge auditorium, tickets \$6, \$3 with student ID.

Marianne Faithfull at the Paradise, Sun. & Mon. Sept. 25 & 26, at 8:30 pm; call 254-2052 for ticket information.

The Harvard Square Cinema also continues its *International Director's Festival* with a pair of double features: Luchino Visconti's *Death in Venice* and *The Damned*, Fri.-Sat. Sept. 23-24, and Orson Welles' *Citizen Kane* and *The Magnificent Ambersons*, Sun.-Mon., Sept. 25-26. For information call 864-4580.

The Flying Karamazov Brothers, the world's zaniest juggling/comedy troupe, has crash-landed in Boston for a two-week run at the Wilbur Theatre. Don't miss the chance to see these lobster-tossing buffoons, call 423-4008 for ticket information.

This weekend's LSC movies:
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Isaac Asimov speaks on computerized society

By Joel Gluck

Dr. Isaac Asimov, author of 283 books on such topics as dirty limericks, biology, religion and Isaac Asimov, spoke about "The Future of Computerized Humanity" to a crowd of 1184 in Kresge Auditorium Tuesday night.

Asimov, who claims to have coined the word "robotics," spoke mostly of the troubles he had with his Radio Shack word-processing computer, and of his ideas on how computers will become a humanizing force in future society.

"People who worry about the dehumanizing of human beings reveal that they know nothing of

history. . . . History is a record of people used as lumps of muscle and nothing else. . . . Science has removed the necessity of a human being to be used" in this way, he said.

Asimov compared the movement from labor-intensive to energy-intensive operations in the Industrial Age to a similar mental liberation that may occur in the Information Age.

"There is a great deal of mental labor that is beneath the dignity of human beings to do. . . ." he said. "The human mind is too important to fiddle with num-

bers. . . . Computers are going to do the jobs that human beings ought not do."

He then spoke about the diversity of human creativity and intelligence, such as that found in a baseball player, an auto mechanic, Mozart and himself.

"Whereas computers never make mistakes, human beings prefer to make mistakes. . . . Human beings are designed to be creative, intuitive, and figure out problems given insufficient information," he said.

Asimov compared the pursuit of computers that are intuitive

and creative to the attempt to design machines that can walk.

"Why do it?" he asked, pointing out that conventional computers are complementary to human mental ability, just as machines with wheels complement our ability to walk.

Asimov related some amusing anecdotes concerning his word-

processing system earlier in his talk. "I'd wake up morning after morning, approach the darned thing, and try to turn it on. One time, I succeeded in turning it on, and danced for three hours."

Many have wondered what Asimov's secret is. His reply: "Be born me. . . . that's what it amounts to."

Gary Hart speaks at Boston U.

(Continued from page 1)

he said. "I don't think we should spend one dollar" to aid countries with poor human-rights records.

"If this administration were half as aggressive" at improving living conditions as it is at helping the military, the "situation would be considerably brighter," he said.

The United States should establish a Central American common bank to help "restructure the economies" of the region, Hart said. America could easily "cut the illiteracy rate" and assist in development of rural areas, he explained.

Hart warned against increasing American military forces in the region. He does not "propose the complete withdrawal of US presence in this region," he said, but he does not advocate increasing that presence.

US policy should be based on "two convictions" Hart said. "We should not be afraid to negotiate," and the United States does not have the right to expand the war in the area, making it into an "East-West conflict."

The Soviet Union has so far kept military forces out of the area, Hart said, so American troops are not greatly needed.

"It's too early to judge" the Reagan administration's bipartisan commission on Central America, Hart said, although "this administration seems to have discovered commissions," many of which are "stop gaps" filling in for a lack of policy.

Hart said the best way to help the Israeli economy is to restore peace in the Middle East and eliminate Israel's need for a large military force. The stability of Lebanon is most important in the region, he said.

He advocates a policy of patience, keeping the Marines in Lebanon. "We cannot withdraw, but we cannot remain indefinitely."

The United States needs a "centralized intelligence agency," not a collection of several agencies, Hart said. "Where I would put the tightest restrictions is in the area of so-called 'covert operations,'" the senator said. "I am opposed to assassinating leaders of foreign states. . . . It's strange that I should have to say that."

Hart said he opposes a mandatory draft and the Solomon Amendment, and is cooperating in an effort to repeal the bill which ties government student financial aid to draft registration.

He would support some form of mandatory conscription if it were required for everyone, and if military duty were optional, he said. He dislikes the "Vietnam-style draft," which discriminates against the poor.

George McGovern's entry into the election race will not hurt Hart's chances for winning, he said.

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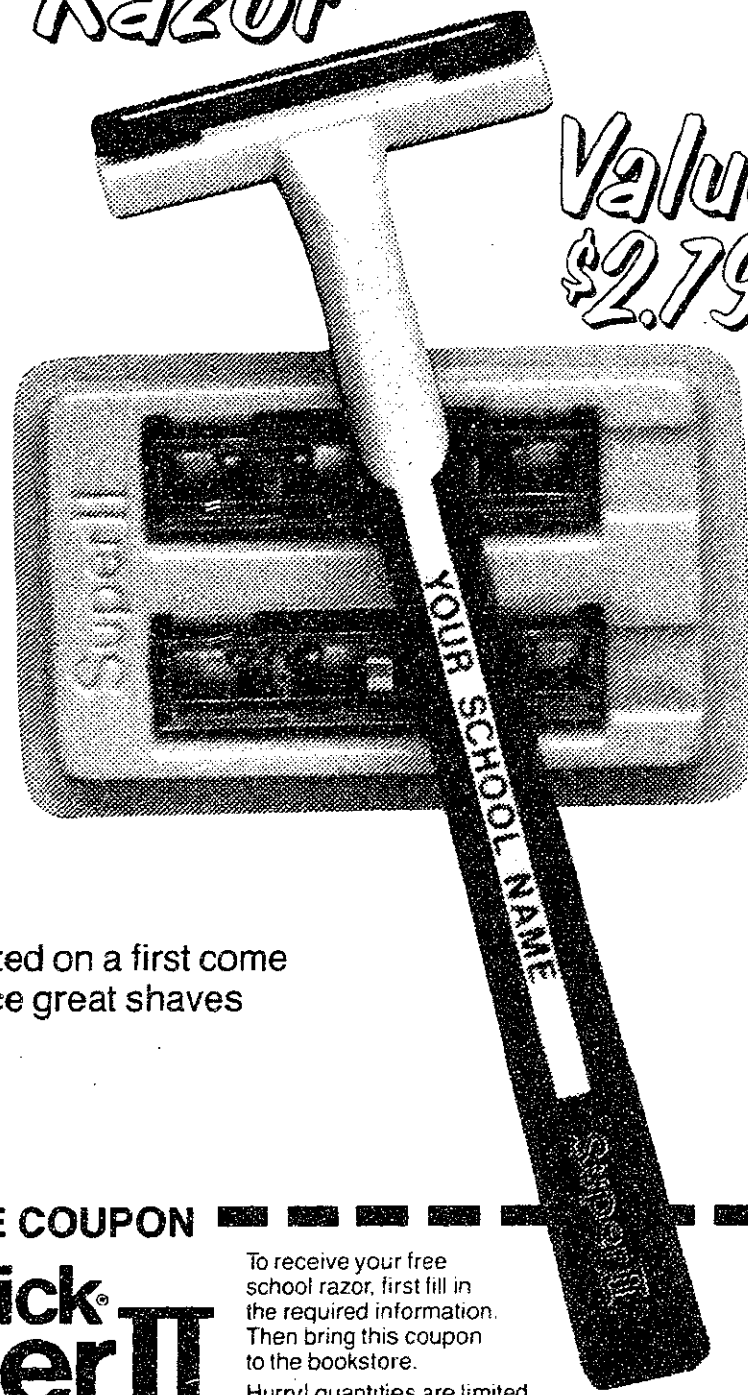
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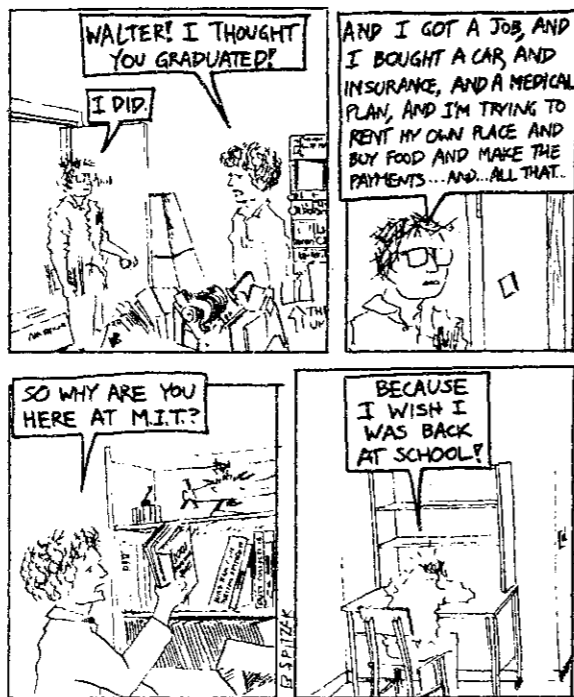
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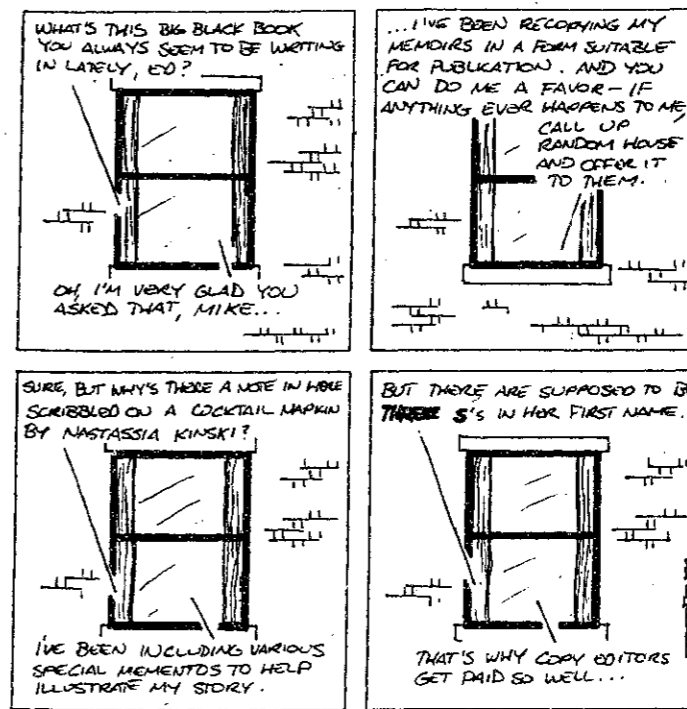
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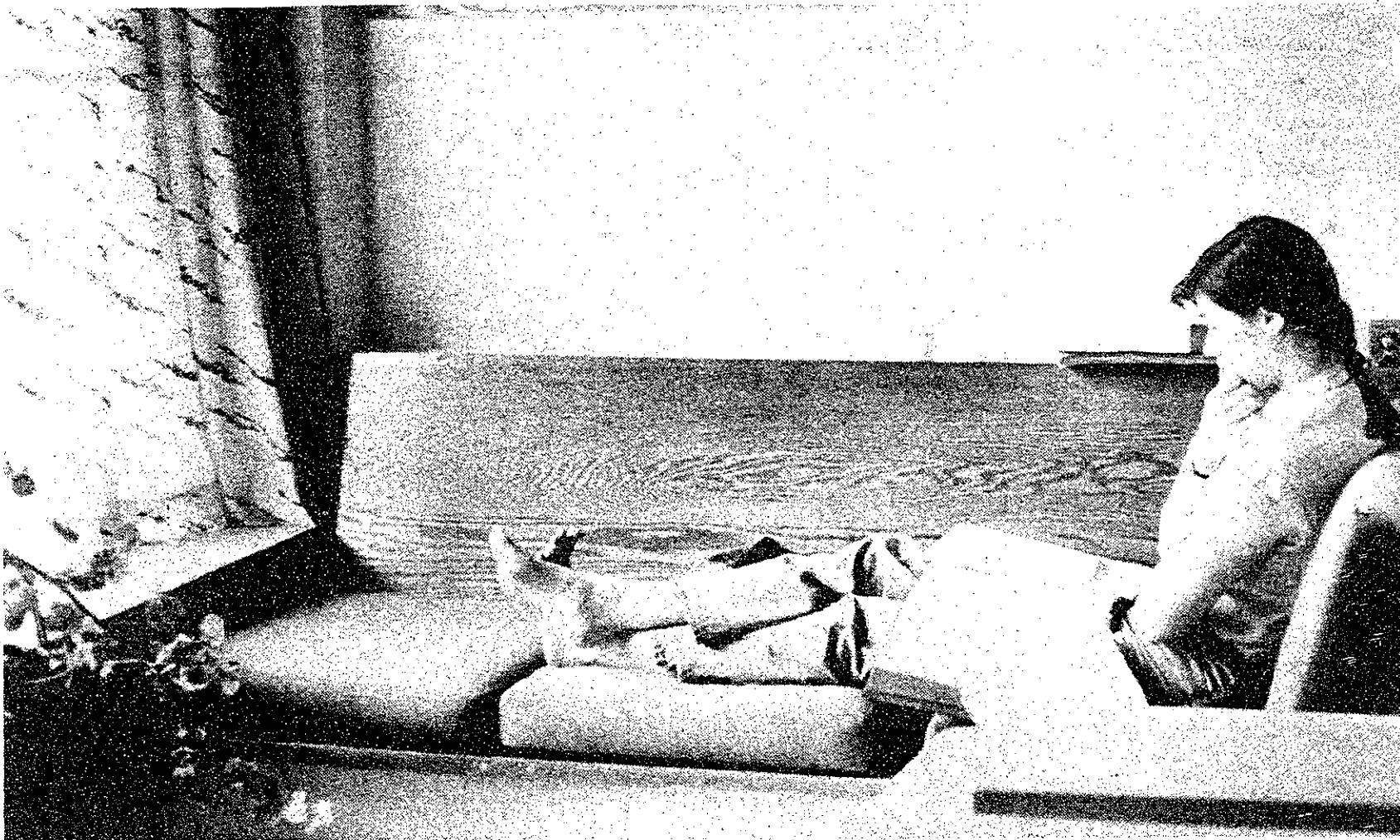
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sports

Volleyball wins

(Continued from page 20)

ter, to take four straight points and the game. The second game also see-sawed back and forth, but MIT again finished on top, 15-12.

"Boy, we sure did need it," Karen Welch '84 said of the victory. Welch and Cathy Smith '85 are the co-captains of MIT's junior varsity.

The varsity has a lot of talent, Altman said before the game. "Our goal this year is to finish higher than last year, to make it to Laverne, California" where the NCAA will hold its Division III finals this year. "It's a pretty tough goal," she added.

Last year's 33-5 record was MIT's best ever. The team won the Eastern Association of Intercollegiate Athletics for Women Championship and finished tied for fifth in the NCAA.

Getting picked for the NCAA championships depends on many factors, Altman said, especially which selectors see you and when. "It helps that we were picked once already." The selectors

know MIT has a good team, she continued.

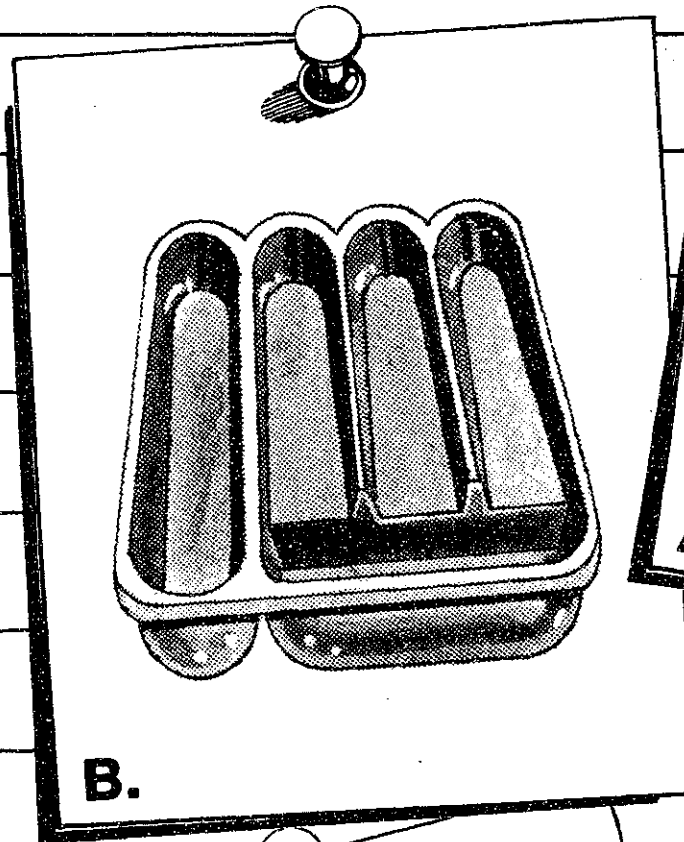
"We have a strong team," Altman said, made up of nine returning players, one new sophomore, and two freshmen. Experience is one of the team's greatest strengths, she noted. "But experience doesn't get you everywhere." The squad has been working hard in preparation for this season, she said.

Amy Smith echoed the coach's words. "We want to go to the finals," she said.

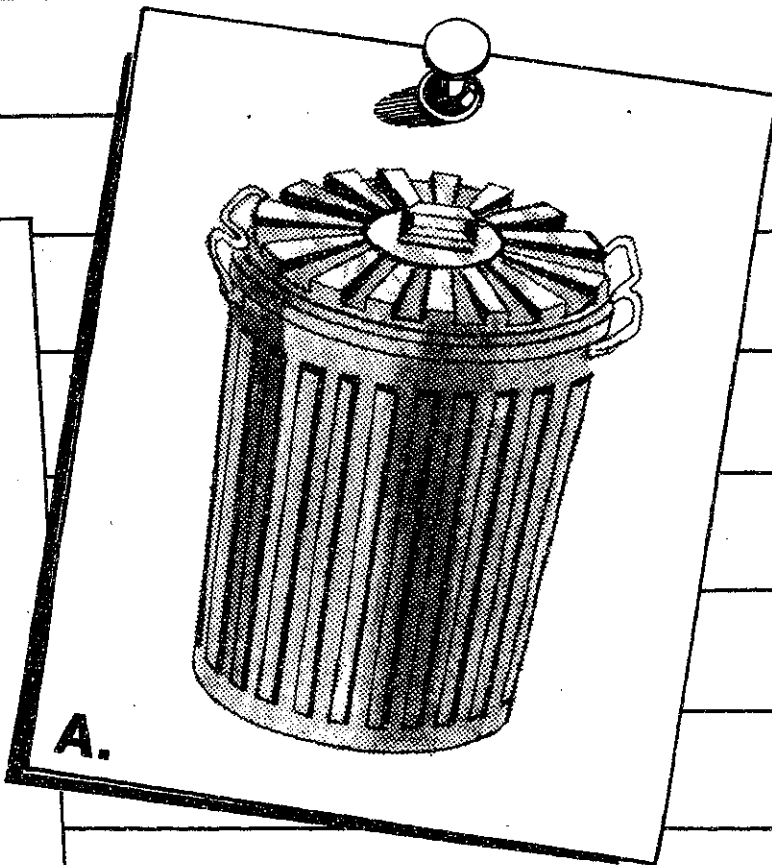
Amy Smith, Wesslund, and Koster captain the varsity. Lo-Ping Yeh '86, Rachel Chin '87, Carol Morris '87, and defensive specialist Akiko Kodacka '84 come off the bench to spell the regulars.

Altman has two assistants, Armando Hernandez '84 and Adra Smith G, who coaches the junior varsity. Altman and Smith played varsity volleyball at MIT. Altman, formerly women's varsity volleyball coach at Harvard and Radcliffe Colleges, replaced David A. Castenon as MIT's coach this year.

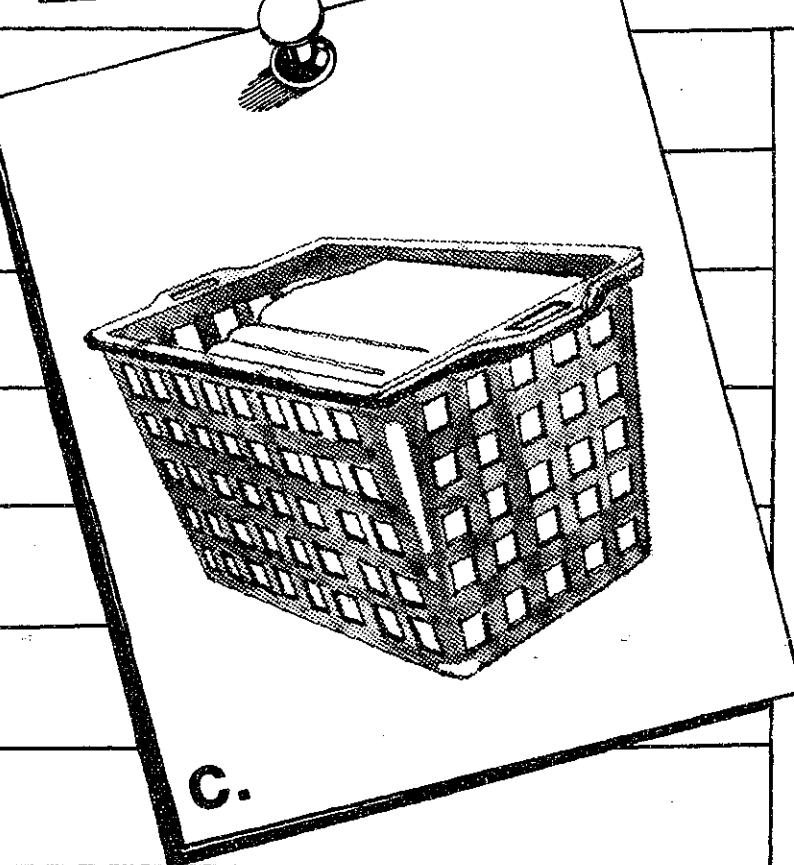
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sports

Field hockey dominates Pine Manor

(Continued from page 20)

The Engineers, for all the pressure, could not get a tally in the first half, although they had a number of close calls. Beverage had three good chances (two were kicked away, while one went just wide), Karen Renaud '84 put one wide of the goal, and Nancy Schuster '87 had a bid which the Pine Manor goalie came up with.

The best chance in the half was by Chen. With 4:01 remaining, MIT was awarded a penalty shot when a Pine Manor defender stopped the ball on the goal line with her foot. Chen was chosen to take the shot. She lifted the ball into the air, but right at the goalie, who made an easy stop with the chest protector. Chen later explained that "You're supposed to go for the corners, either the upper or the lower, but I couldn't get it there." Several other opportunities for MIT failed, and the half ended in a scoreless tie.

The second 35 minutes were a repeat of the first. The Engineers never let Pine Manor get organized and constantly put the heat on the enemy goal. At the 19:51 mark, a Beverage shot off a feed from Renaud was trapped in the goalie's pads, forcing the second penalty shot of the contest. Chen was called upon again to take the shot, and this time she connected, putting the ball in the upper right corner off the goalie's hand.

Chen's second goal was one of the more artistic one will see in a field hockey game, where most of the action is centered less than ten yards in front of the goal. She intercepted a Pine Manor pass, ran about 15 yards, and

fired one home from about 40 feet on the left side. Chen later commented, "I was fortunate to have a clear shot inside the circle." Her tally with 12:27 to go gave Tech a 2-0 advantage, and the hosts cruised in from there.

The unbeaten, once-tied start gives MIT a good shot at its first .500 season since 1980, when it finished 9-4-1. The team has the

fortune of having lost no one to graduation, and the addition of first-year players such as Beverage is a big plus. Chen feels that since most of the players have been together for at least a year, there is a definite change in the team's style of play: "We're playing a smarter, more patient game than last year, when we were more aggressive."

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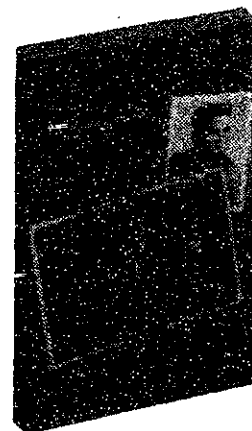
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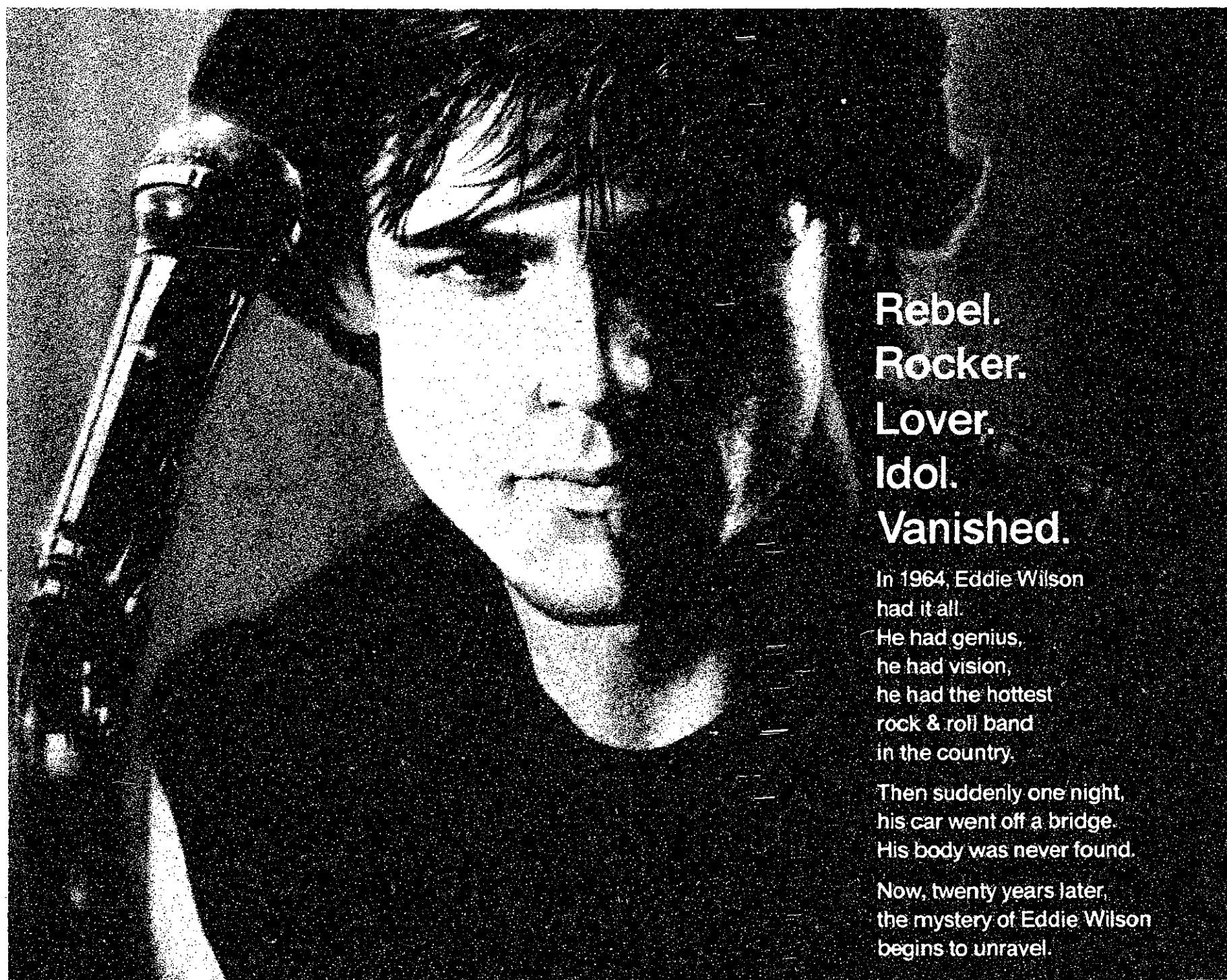
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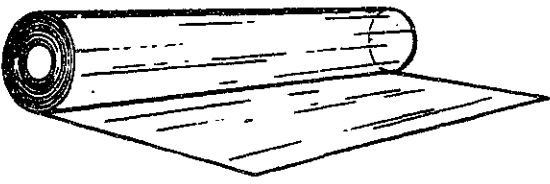
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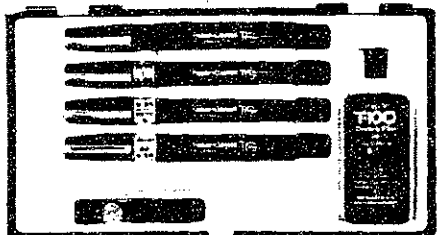
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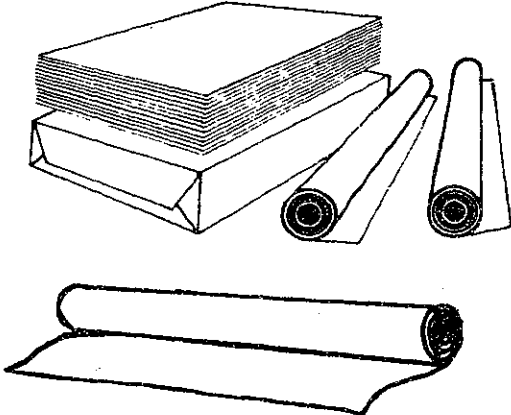
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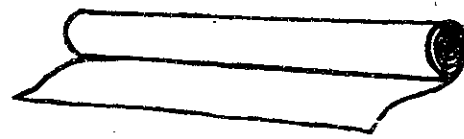
- IN 20 YARD ROLLS:
 - .004 Mil — Double Matte:
 - 36"x20 Yard Roll: \$38.50
 - 42"x20 Yard Roll: \$44.95



- IN SHEETS: .004 mil — Double Matte:

Sheet Size	25 Sheet Packages	100 Sheet Packages
8 1/2"x11"	—	\$ 14.95
11"x17"	—	29.95
17"x22"	\$16.25	59.50
22"x34"	29.95	116.30
24"x36"	34.95	133.90
30"x42"	50.85	191.80

Canary & White Sketching Paper



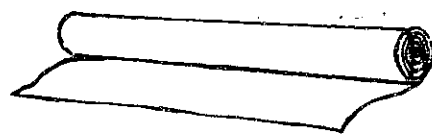
No. 260 & 261: UTRECHT LIGHTWEIGHT SKETCHING PAPER — 50 Yards Per Roll • In Canary & White

UTRECHT'S lightweight yellow and white sketching paper is good for idea sketching, layout, preliminary detail drawings, etc. Each has good transparency and erasability. Ideal for architects, designers and engineers.

— Packed 12 Rolls per Carton

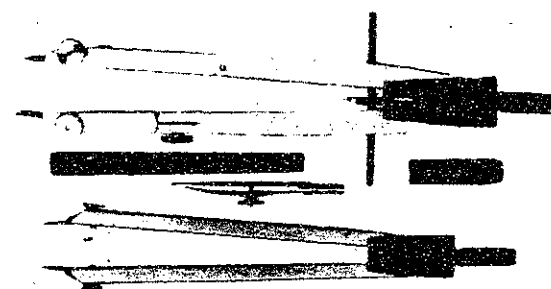
Item Number	Roll Width	Utrecht Super Saver Price Per Roll	Utrecht Super Saver Price Per Carton
• No. 260: CANARY Paper - 7.5 lbs.			
260-12	12"	\$2.25	\$23.40
260-14	14"	2.60	27.50
260-18	18"	3.30	34.20
260-24	24"	3.90	40.68
260-36	36"	5.70	61.20
• No. 261: WHITE Paper - 8.0 lbs.			
261-12	12"	\$2.25	\$23.40
261-14	14"	2.60	27.50
261-18	18"	3.30	34.20
261-24	24"	3.90	40.68
261-36	36"	5.70	61.20

Parchment Paper In Rolls



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- **Mechanical Draftsman:** Divided 1/8, 1/4, 1/2, 1 inches to the foot. 1/4, 1/2, 3/8, 3/4 inches to the inch; 50th, 16th inch to the inch

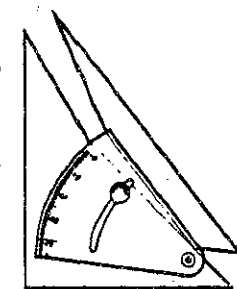
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8" 1.15	8" 1.15
10" 1.65	10" 1.85
12" 2.05	12" 2.05

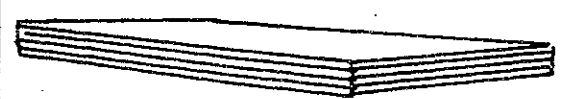
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9045-10	10"	10.25

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32"x40"	5.45	3.27	50 Boards	136.25
- No. 710-397				
40"x60"	10.35	6.21	25 Boards	129.38
- No. 710-498				
48"x96"	19.55	11.73	25 Boards	244.38
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PRICES SUBJECT TO CHANGE

sports

Defense fails; soccer gets blanked 5-0

By Arthur Lee

Under scorching sun and humid heat Tuesday afternoon, the men's soccer team suffered its second defeat and first shutout of the season, losing 5-0 to the WPI Engineers at Steinbrenner Stadium. MIT's record falls to 1-2.

Just seven minutes into the game, the MIT backfield was caught off guard as WPI's Amilcar Caneiro slipped in his first goal of the afternoon. Communication broke down between the defensive players, as they stood and watched the ball go in.

The defense quickly scrambled

to tighten up and did not allow another goal to be scored for another thirty-four minutes. The WPI offense, nevertheless, dominated the first half by continuing to probe for weaknesses in the MIT backfield.

The MIT defense allowed twelve shots on goal to slip during that time. Goalkeeper Robert Noecker '85 had to make saves on four of those that got too close to the goal. In contrast, the MIT offense only chalked up three shots on the opponents' goal, with only one coming close enough to require a save.

After thirty-four minutes of WPI's probing attacks, the MIT defense totally collapsed. John Meehan of WPI easily slipped by a defender on the right-center side of the backfield and found a good angle for a shot. Noecker dove to his left, but the ball was already out of reach as it sailed into the goal.

Thirty-five seconds later, the home team received another shock as its crumbling defense gave up another easy goal. This time, however, the threat came from the left side of Noecker. WPI's Dave King was not

marked tightly enough as he found ample time to kick a twenty-yarder toward the goal. Noecker misjudged the flight path of the ball and jumped too early. The ball flew over his hands and into the net, making the score 3-0 at the half.

The second half of the game did not bring any better luck to the MIT Engineers. Once again, WPI outshot the home team 8 to 3. 10:05 into the half, Caneiro scored again with the able assistance of his teammates' passing game. About twenty minutes lat-

er, Caneiro teamed up with Gazan Namogolu to humiliate the MIT backfield. The ball passed no less than three times between Caneiro and Namogolu before Caneiro decided to collect his hat trick for the afternoon.

MIT coach Walter Alessi said basically one thing to his team after the game: "It was pathetic." According to assistant coach David Aptaker, at least it was "a team effort." But Alessi noted, "If we continue to play the way we did today, we will not win any more games."

sports update

Baseball — The baseball team fell to 5-0 on the fall season with a 4-3 loss to visiting Northeastern Wednesday afternoon.

Golf — The golf team dropped another close triangular match Tuesday afternoon. Host Bentley won the event with a 391. Boston College was second at 395, and MIT was third with a score of 398. Rick Jones '84 led the Engineers, firing a 79. Chris Furlong '85 and Dave Lineman '85 were one stroke behind their teammate, and Eric Asel '87 finished two strokes back.

Tennis — The women's tennis team upped their record to 2-1 Tuesday afternoon, defeating host Brandeis 6-3. Janet Schnee '84, Jennifer Hyman '87, and Francie Gurney '86 all won their singles matches in straight sets, while Jennifer Shandling '84 came back to take her match after losing the opening set. Hyman and captain Jennifer Lin '84 combined to capture their doubles match in straight sets, and the team of Schnee and Lisa Shields '85 staged another comeback performance for another doubles victory.

The men's team went up against a strong Boston College team Tuesday afternoon and lost 7-2. Rob Craig '86 was the only singles winner, and he also teamed up with Ramy Rizk '86 to chalk up the only MIT doubles victory.

weekend preview

Tomorrow — Part of the varsity sailing team will be at Harvard for the New England Single-Handed Championships, beginning at 9:30am. The women's sailing team will also be out at 9:30 for the first day of its Single-Handed Championships, which MIT is hosting.

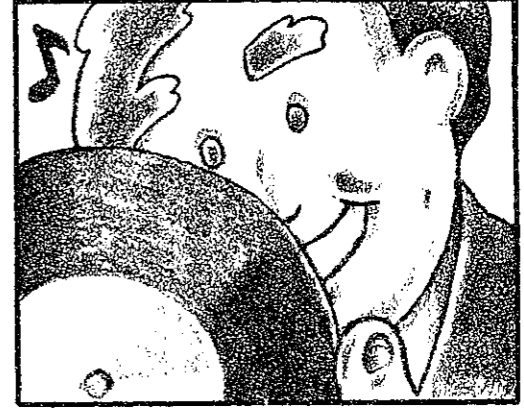
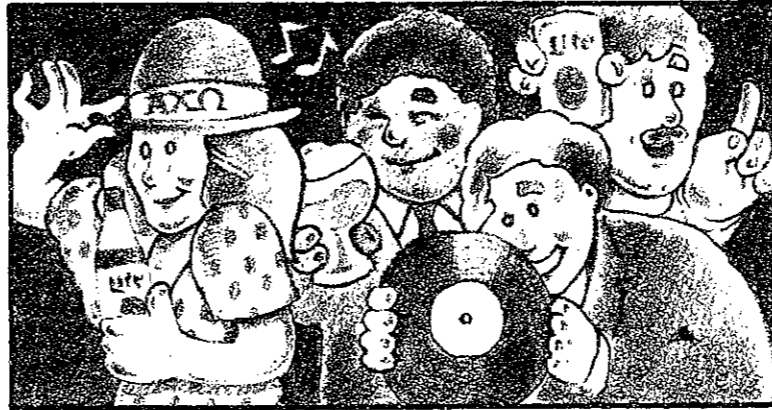
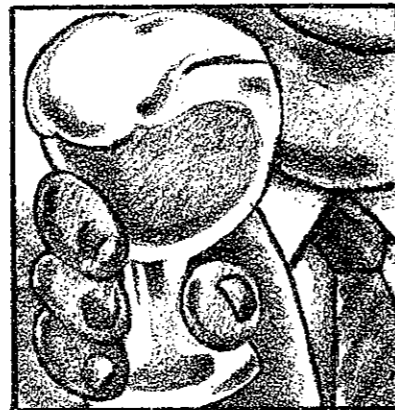
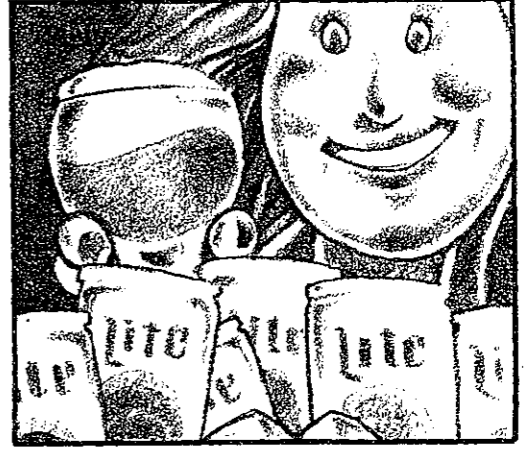
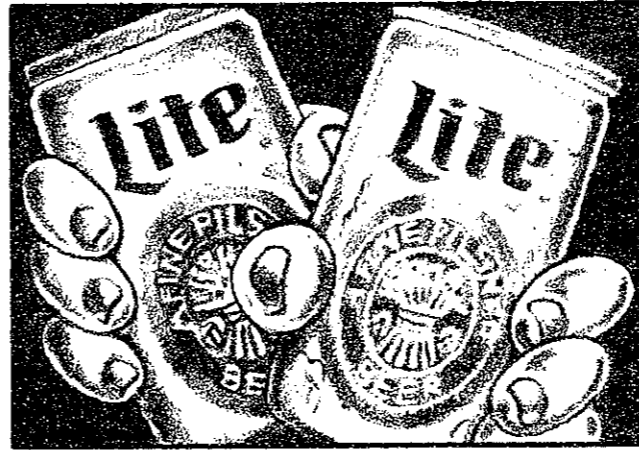
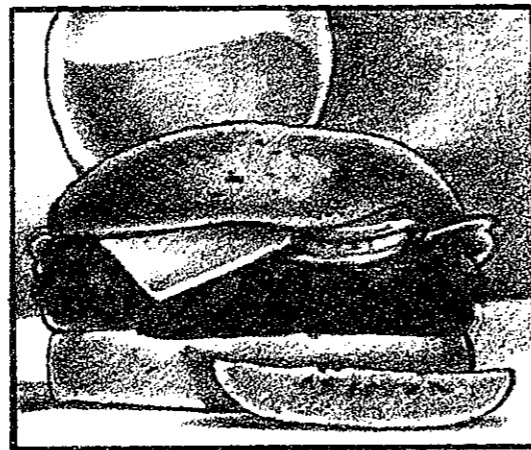
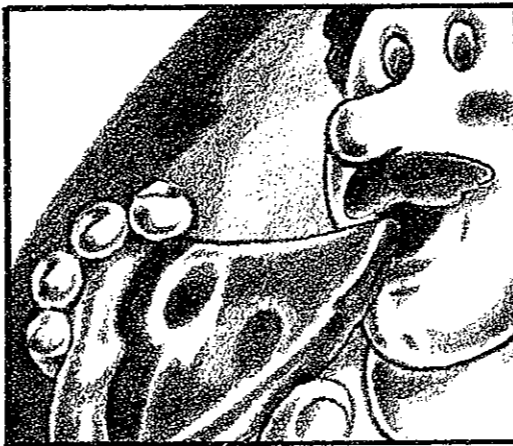
Both the men's and the women's tennis teams will be out on the courts at 11am to host visitors from Maine. The men will take on the University of Maine, and the women will meet Bates.

The baseball team will be in action on Briggs Field at noon for the first game of a double-header versus Bentley College.

The golf team will get to play host to yet another team from Maine — Bowdoin. The two squads are scheduled to be out on the links at 1pm.

Finally, the men's soccer team will be in Steinbrenner Stadium at 2pm to take on another out-of-state school — Trinity College.

Sunday — The women sailors will start the conclusion of the Singled-Handed Championships at 9:30am. The men will also be on the river at 9:30am in the Boston University Trophy.



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sports

Volleyball teams sweep Salem St.

By Robert E. Malchman

The women's volleyball team opened the 1983 season impressively Wednesday night, the varsity sweeping host Salem State 15-6, 15-6, 15-1; and the junior varsity blanking the hapless Vikings 16-14, 15-12.

The victory was the first for rookie head coach Karyn Altman '78. "I feel a lot better now," she said.

The Engineers seemed overanxious during the first two games. Despite winning both, the team showed only flashes of the brilliance that led them to the National Collegiate Athletic Association Division III Eastern Championship last year.

Front-line hitters Amy B. Smith '84, Barbara E. Wesslund '84, Lori A. Cantu '85, Janette M. Kauth '85, Julie Ann Koster '85, and Anella E. Munro '85 frequently camped too far forward of the sets from Michelle M. Heng '84 and Jennifer L. Smith '86, lofting their spikes far over the back line as a result.

MIT broke on top in the first game 12-2, thanks in large part to Cantu, who poured in seven kills. The second game was a struggle for both teams in the early part. The Engineers lost a

point and the serve when the referee ruled the team had lined up improperly one of its points. MIT found itself trailing 4-5. The team caught fire from that point, however, marching to a 15-6 finish.

Salem was clearly over-matched, despite MIT's inconsistent play. The Vikings could not set the ball for their hitters most of the time, and the hitters mis-played many of the few sets they received.

The third game witnessed MIT's return to dominating form. The Engineers calmed down, setting and spiking with clockwork regularity. MIT erupted for a 12-0 lead before cruising to a 15-1 final score.

The junior varsity then took the court against the Viking varsity's bench. MIT has never had a JV volleyball team, but the young Engineers acquitted themselves well in their first game. They played a match more erratic than the varsity's, but likewise more exciting than the senior squad's precisioned dismantling of Salem earlier in the evening.

The Vikings were serving on game point, leading 14-12. MIT rallied, displaying great character. (Please turn to page 16)



Tech photo by He... The field hockey team drives on Pine Manor's goal enroute to a 2-0 shutout Monday.

Field hockey victorious, 2-

By Eric R. Fleming

MIT's field hockey team opened its home season on a warm Monday afternoon at Steinbrenner Stadium, but the heat could not thaw out the cold lock on the Tech goal. Sparked by two goals from Julie Chen '86, the Engineers blanked Pine Manor 2-0. MIT has not given up a goal this season while flying to a 2-0-1 start.

The cliché "the game was not

as close as the score indicated" was without question applicable at this contest. After the first five minutes, the hosts were in complete command, making continuous forays into enemy territory. Pine Manor could not mount any sustained attack, much less get the ball past the midfield stripe.

Key to MIT's dominance was the play of the forwards, links, and halfbacks, who applied con-

stant offensive and defensive pressure by intercepting passes and free hits (an unobstructed pass awarded after a foul), clearing the ball, and by causing trouble in front of the Pine Manor goal. Chen, Martha Beverag and Terry Felts '84 were the big guns in the Tech surge, three always seemed to be at the ball.

(Please turn to page 17)



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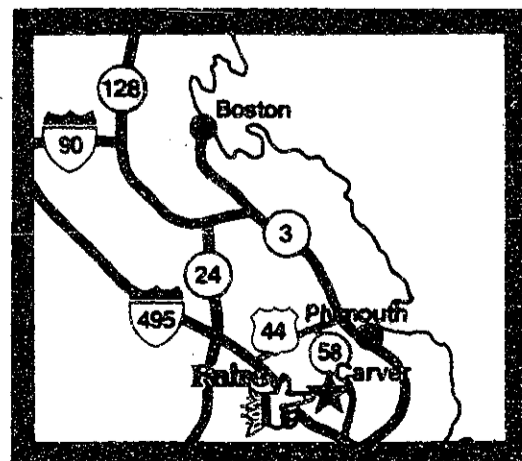
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