

Graduate council votes in president

By Harold A. Stern

The Graduate Student Council (GSC) elected Janine M. Nell president for its 1985-86 academic year Thursday. Nell, who ran unopposed, replaces Rene J. LeClaire, Jr.

One of Nell's priorities as GSC president will be to lobby the administration to approve the *Rights and Responsibilities for Graduate Students*, a document prepared by last year's GSC.

LeClaire referred to this "bill of rights for graduate students" as one of the "major accomplishments" of his term of office. It attempts "to clarify and codify existing practices and procedures that affect graduate student life," according to a statement he released.

"Conditions are very different from department to department," LeClaire said. He attributed the variations to the "decentralized" nature of the graduate programs at MIT. Nell agreed with LeClaire. She said, "Basically, some professors treat students in a professional manner, and some do not."

One of the proposals in the document would require advisors to meet with their graduate students at least once a term to "evaluate their students," Nell said. There is currently no requirement that advisors meet with their students.

Nell cited another of the GSC's proposals which addresses the notification of graduate students about whether or not their funding would be extended at the end

of a term. No formal notification is required now. She claimed that students "have been terminated while unawares," after it was too late to seek alternative funding.

The administration has not yet approved the document. LeClaire said that the GSC plans to present it to the Committee on Graduate Student Policies, chaired by the Dean of Graduate Schools Frank E. Perkins '55, and then to take it to the faculty in order to "make it an official document."

Another major problem facing graduate students at MIT, according to Nell, is the lack of sufficient living space to house all graduate students who desire to live on campus. This "will continue to be a priority" for the GSC, she said.

Other issues that Nell plans on acting on as president of the GSC include federal student financial aid reductions. "I [would] like to put some pressure on the [Reagan] administration for cutting financial aid." She admitted this would be "a little tougher; we would have to get other schools involved."

The GSC also elected Alex Savich, vice-president; Kalyanaram Gurumurthy, general treasurer; Steve Semkin, Muddy Charles Pub treasurer; and Bernie Palowitch, secretary.

In other business, the GSC approved a budget of \$40,000 for next year. This represents an increase of \$15,000 over the previous year, according to LeClaire's statement.

TANK will be non-alcoholic

By Randi L. Rubin

Competitors in this year's annual Spring Weekend speed beer drinking competition, TANK, will not be drinking alcoholic beer, according to Bill Maisel '88, TANK co-coordinator.

Moussey, a non-alcoholic beer beverage made by White Rock Products, Inc., will be consumed instead.

The use of non-alcoholic beer during TANK is a consequence of a Massachusetts State law restricting alcoholic consumption under contest conditions. The non-alcoholic TANK was confirmed after members of the Sigma Chi fraternity, the sponsor of

TANK, consulted Associate Dean for Student Affairs Robert A. Sherwood.

"He was really super, and wanted to see TANK continue as did we," according to Maisel. After meeting with MIT lawyers, Sherwood said that use of alcoholic beer would be impossible, according to Ed Schembor '87, another of Sigma Chi's TANK co-coordinators.

TANK's organizers do not expect the lack of alcohol to drastically hurt the event. "It may not be as popular overall, but we've made it open to everybody," Maisel said. Eligibility is no longer

based on the legal drinking age of 20. All students may now participate.

"TANK is a kickoff to the weekend activities of Spring Weekend, and it gets people together," said Mike Cronin '86, a member of the Theta Chi fraternity.

Theta Chi won last year's competition and their five-man team was the first team in TANK's history to finish ten cups of beer in under 30 seconds. They are still willing to compete this year despite the change, Cronin said.

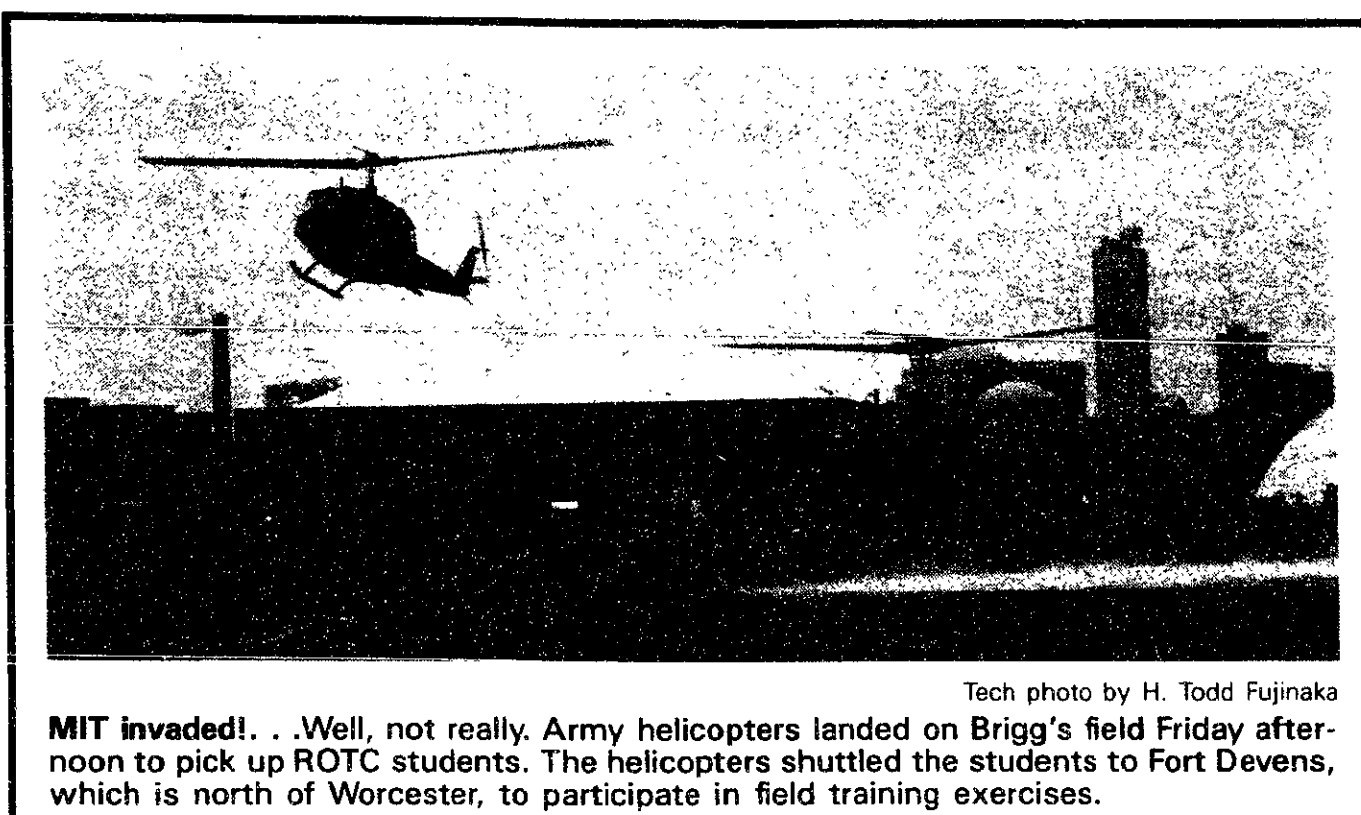
"[Sigma Chi] offered their best alternative," he explained. "If we turned our noses up, what are we saying? That the whole point was just to get drunk?"

Cronin noted that it is no less difficult to quaff non-alcoholic beer than it is to drink the alcoholic version. "As far as speed goes, it will still be carbonated and cold, [which are] the determining factors," he said.

To encourage participation in TANK, Sigma Chi has lowered the registration fee from \$15 to \$10. Registration will be held in the Student Center from Wednesday, Apr. 24 through Friday, May 3. The competition is scheduled for Friday, May 3, from 3 pm to 6 pm.

White Rock donated 40 cases of Moussey which will limit this year's competition to approximately 60 teams.

Proceeds from the registration fees and the sale of TANK T-shirts and hats have traditionally gone to a charity. Sigma Chi expects to donate \$700 to \$800 to the Jimmy Fund, a charity for children with cancer, according to Maisel.



Tech photo by H. Todd Fujinaka

MIT invaded! . . . Well, not really. Army helicopters landed on Brigg's field Friday afternoon to pick up ROTC students. The helicopters shuttled the students to Fort Devens, which is north of Worcester, to participate in field training exercises.

MIT considers new fraternity

By Sam Osofsky

Thirty MIT undergraduate men are trying to establish a chapter of the national fraternity Kappa Delta Rho (KDR) at MIT, according to Kenneth S. Kharbanda '86, the group's coordinator.

The chapter sent a letter of intent to colonize at MIT to Associate Dean for Student Affairs Robert A. Sherwood, Kharbanda said. The chapter also notified the InterFraternity Conference (IFC) of its intent.

Kharbanda said he and several of friends decided to affiliate with KDR in late October. "The idea spread through word of mouth. . . The [KDR] national

came to me with the idea."

"We have progressed to a coherent membership, [with] dues, and working elected officers," Kharbanda said. The group has held "meetings every Sunday . . . and a few social events," he added.

The recently-elected IFC officers acted to establish an Expansion Committee, Kharbanda said. The goal of the committee, of which Kharbanda is a member, is "to study the feasibility of a new chapter" and to submit a recommendation to the IFC general session, he said.

The Expansion Committee has been evaluating the feasibility of a KDR chapter at MIT. "Housing is a major concern," Sherwood said.

He said a lack of existing housing for independent living groups might impede KDR's colony on campus. "The Real Estate office has hired a part-time broker to find Alpha Phi housing," Sherwood said. The broker has searched unsuccessfully for a house for the sorority over the past year.

Boston is effectively off-limits to new living groups for "political and zoning reasons," Sherwood said. The Cambridge city council is also opposed to new groups residing in houses in the city.

"So now [Senior Vice President William R. Dickson '56] is com-

missioning a three to four month feasibility study to see if MIT can build [facilities]," Sherwood said. Although the study is not yet completed, he said, "if we pull this off for Alpha Phi, this should be the last expansion."

Both Sherwood and Kharbanda agreed that Alpha Phi has housing priority. "If KDR is allowed to establish, it will in no way hinder Alpha Phi's acquisition of suitable housing," Kharbanda said. "We are willing to wait until Alpha Phi has acquired a suitable house."

Class demographics present additional difficulties, according to Sherwood. "Every year the number of women [in the incoming class] increases and the number of men decreases. Last year 25 to 30 percent [of the class was] female. That's great, but also the 28 male fraternities have more problems. They must rush about 50 percent of the incoming freshmen."

For this reason, "a coed fraternity . . . or another sorority . . . makes more sense," Sherwood said. Kharbanda said that a strong fraternity could only help the fraternity system.

Sherwood said that the KDR national "is not sure that KDR should have a chapter here," given the housing and membership difficulties. Kharbanda disagreed: "The national is behind us all the

(Please turn to page 6)

Lower income students' enrollment is constant

By Michael J. Garrison

First in a series examining MIT's budget and endowment.

"The middle class is not disappearing" from MIT's student body, according to President Paul E. Gray '54.

Fractions of MIT students from each of the four economic quartiles of family income have been stable. The ratio of MIT cost to family income has also remained constant, Gray continued.

Student Financial Aid Office (SFAO) statistics indicate little change in each of the economic categories, except for a rise in the percentage of students in the highest quartile who requested financial aid in 1982-84, said Leonard V. Gallagher '54, director of financial aid. "We are still trying to analyze the action in the . . . quartile [over] the last three years," he added.

The increase in highest quartile

students corresponded to a decrease in the percentage of students from "middle income" families who sought aid, according to the SFAO statistics.

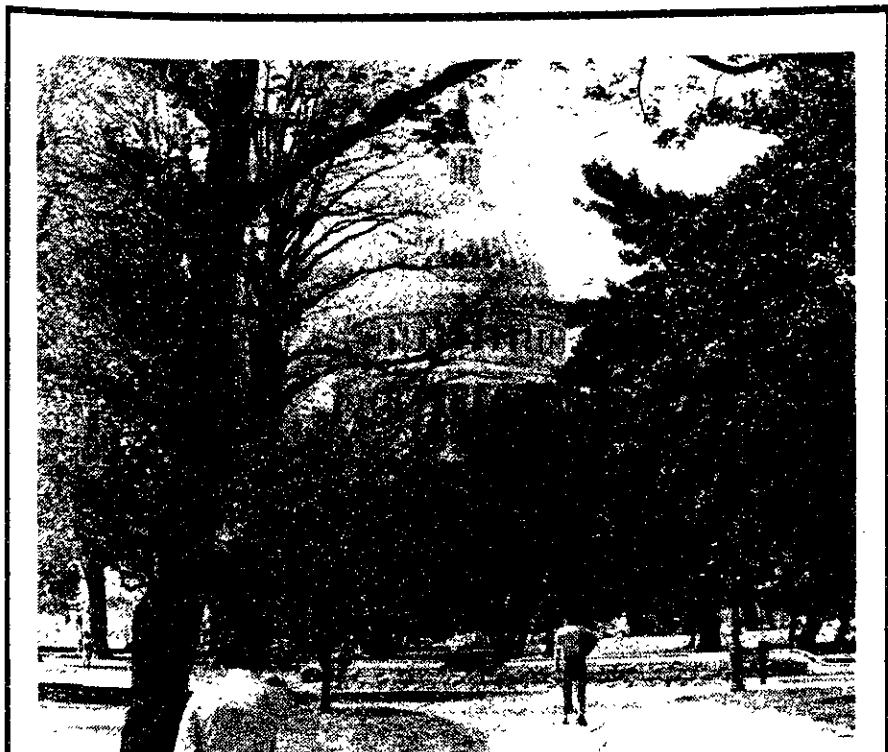
The statistics also indicated that 16.1 percent of the freshmen entering the Institute in 1971 came from households with an income of less than \$7980. Sixteen percent of MIT freshmen in 1984 came from households with annual incomes under \$18,707.

The figures for the lowest quartile have remained relatively stable over the past 13 years, varying from a high of 17.9 percent in 1981 to a low of 12.9 percent in 1973, Gallagher added.

Costs concern administration

Of the \$74 million it cost for all undergraduates to attend MIT this year, "we measured a need for almost \$27 million," Gallagher said. "Most [of that need]

(Please turn to page 12)



Tech photo by Sidhu Banerjee

MIT students joined thousands of others from across the nation in a dramatic demonstration against nuclear war in Washington D.C. Thursday.

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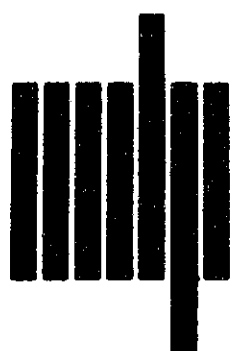
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news roundup

World

Chancellor says Germany bears never-ending shame — West German Chancellor Helmut Kohl said that the Nazi death camp at Bergen-Belsen "remains a mark of Cain branded in the minds of our nation." President Reagan will speak at the camp to commemorate the 40th anniversary of the camp's liberation in two weeks.

Brazilian president-elect dies — Tancredo Neves, the man Brazil chose to lead its first civilian government in 21 years, died Sunday night of heart and lung complications after undergoing seven operations in four weeks. He was 75 years old. Vice President Jose Sarney will replace him.

Israel sets date to pull out of Lebanon — By a vote of 18-3, with one abstention, the Israeli Cabinet agreed to withdraw all troops from Lebanon by early June. Israel will, however, keep a security zone ranging from five to ten miles over the Lebanese border.

Nation

Reagan Administration rejects Nicaraguan cease-fire offer — President Reagan's foreign policy advisors rejected an offer from Nicaraguan President Daniel Ortega Saavedra to call a cease-fire if the Reagan Administration cut off aid to the Nicaraguan rebels. The State Department considered this proposal unacceptable because it did not provide for negotiations between the Sandinistas and the rebels.

Next shuttle flight could be delayed — The space shuttle Discovery's next blastoff in June might be delayed due to damage the spacecraft suffered when it landed Friday, according to NASA. The shuttle blew a tire and damaged a wing.

Shultz says Arab leaders hurt Palestinians — Secretary of State George P. Shultz '49 said Sunday that Arab leaders, by not supporting negotiations between Israel and Jordan, prolonged the suffering of Palestinians. King Hussein of Jordan has indicated his willingness to negotiate with Israel over the West Bank if key Arab leaders supported him.

AIDS epidemic may be worse than expected — A group of 2200 researchers gathered for a conference on Acquired Immune Deficiency Syndrome (AIDS) here last week. Data was released which estimated that between 500,000 and 1 million Americans now have the disease. This information does not back the belief that AIDS is limited to high risk groups such as homosexuals, drug users and hemophiliacs.

Sports

Red Sox munged by White Sox — The White Sox came from behind Sunday to defeat the Red Sox 7-2 in Chicago's Comiskey Park.

MIT places third in Charles river race — The MIT men's heavyweight crew team placed third in the 49th running of the Compton Cup behind highly ranked Harvard and Princeton. Harvard's time was a record for the 2000-meter course at 5:42.8. MIT's time was 6:02.8.

Weather

Here comes the sun — It will be mostly sunny today, with highs near 70 degrees.

David Oberman

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ATTENTION GRADUATE STUDENTS

The Graduate Student Council will conduct interviews for seats on various Institute committees on Monday, April 29 and Tuesday, April 30.

All graduate students are invited to apply. Seats are available on the following committees:

Standing Committees of the Faculty

Committee on Discipline	2 seats
Committee on Educational Policy	2 seats
Committee on the Library System	2 seats
Committee on Graduate School Policy	2 seats
Committee on Student Affairs	2 seats

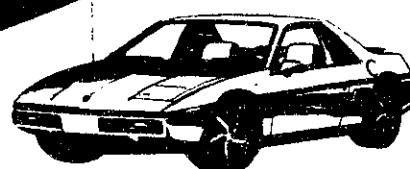
Committees Appointed by the President

Commencement Committee	1 seat
IAP Policy Committee	1 seat
Committee on Toxic Chemicals	1 seat

Interested graduate students should contact the GSC for more information, and to schedule an interview. The GSC office is located in Walker Memorial, 50-222 (above the Muddy Charles Pub.) Office hours are 1:30 - 5:00 p.m., phone x3-2195, or contact John Lucassen at 3-6264.

-The Nominations Committee
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opinion

Column/Andrew Bein

CBS is under fire

Takeover fever has reached one of the few sacred cows of the business world — the media industry. Last month the shocking news came that giant ABC would now be controlled by unknown Capital Cities Communications. TV shows and programming that vary from Dynasty to Nightline had switched hands. This proved that the powerful networks could really be acquired. Soon, rumors regarding CBS began to erupt.

North Carolina Senator Jesse Helms and his ultraconservative Fairness in Media organization had already made clear their desire to "be Dan Rather's boss." They believe CBS News, particularly in such programs as "60 Minutes" and "Bill Moyer's Journal," had an excessive liberal bias. This undermines American government, corporations, and values, in their view.

Their desire to take over CBS brings instant problems to mind. Do we want a senator to run, or even have a large say in, a major network under any circumstances? To make matters worse, Senator Helms' policies are considered racist and restrictive by many.

Whether one agrees with Helms and his fellows' beliefs or not, the press and politics should never be united tightly. That smacks of the Soviet's use of its media, for sheer propaganda. The press then becomes no longer a source of real information, but a spout for what the government, or the Helms faction, decides people should be told.

Even with the best intentions, the conservative group should not be in charge of what people are watching. By the same token, should CBS really have a blatant liberal bias, that wouldn't fit the standards of objective reporting either. The network may have the right to expound whatever ideas it chooses, but it does have a responsibility to be objective.

It is not clear that CBS really has overly liberalized its reporting however. A TV Guide article revealed 7 times more "anti-Administration biases" in a week of CBS news stories over other net-

works in a recent study. This may be considered anti-Reagan, but another way of interpreting it is simply that the network is more critical and inquiring than its two competitors.

This implies that CBS not only should not be taken over because of its reporting, but that it is actually doing a better job than ABC and NBC are. CBS News also has higher ratings than either of the other networks.

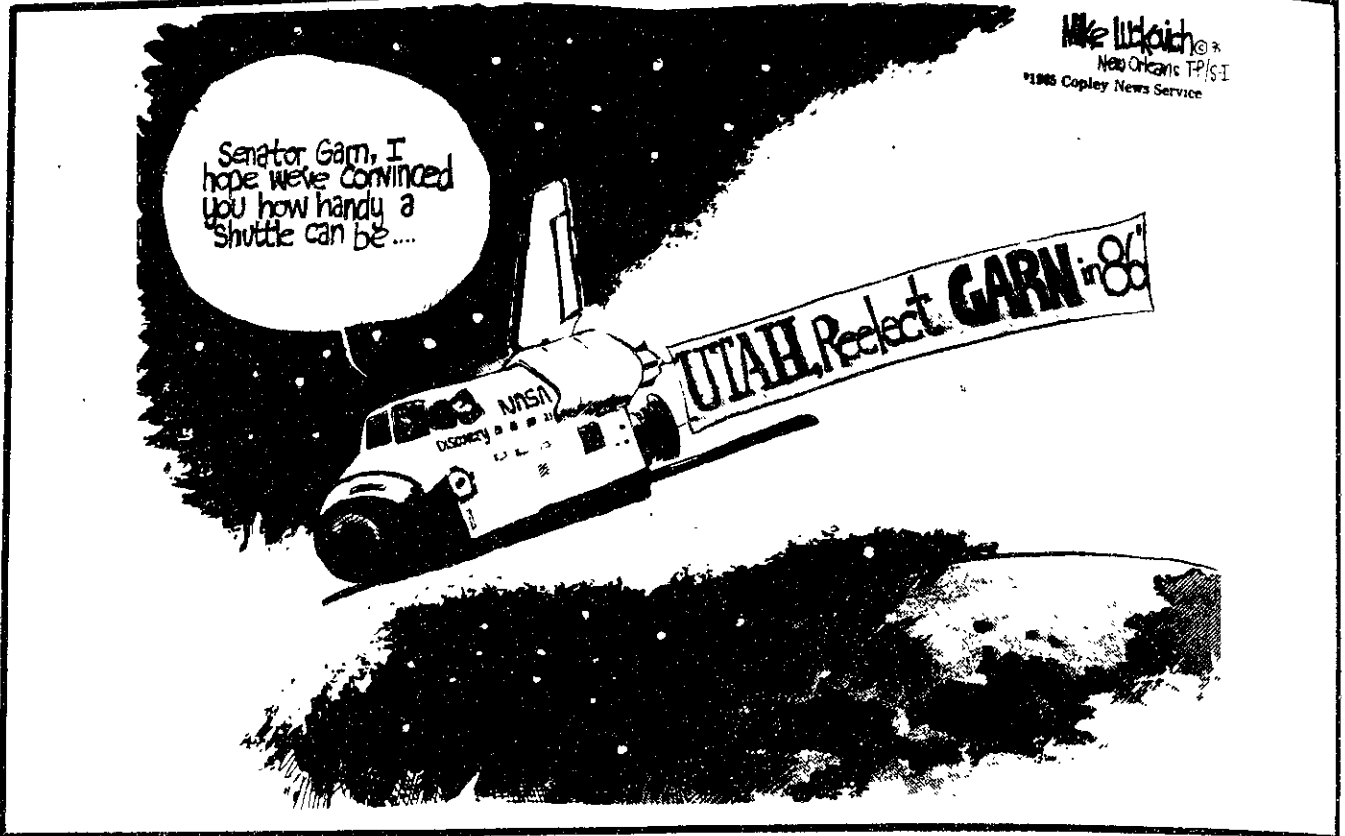
Meanwhile, there were other rumors of a CBS takeover attempt. Ted Turner was included in the speculation. His claims to fame include activities ranging from winning the America's Cup yacht race, owning most of basketball's Atlanta Hawks and baseball's Atlanta Braves, and running the Turner Broadcasting System and Cable Network News.

He had been keeping a low profile recently, perhaps to accumulate more respectability for an attempt. Stories on his previously stated interest in owning a network suddenly took on immediate significance.

It is likely to be Ted's last chance, since NBC, owned by RCA, is probably too big to ever be taken over, and ABC has just been wooed by Capital Cities. Last Thursday, Ted Turner made an offer of \$5.41 billion to acquire CBS.

Fairness in Media is delighted about Turner's bid. They claim they will happily assist him. Turner claims no connection with any group, but an alliance with Helms might be his best chance for a successful takeover, against what appears to be impossible odds otherwise. Anyone interested in keeping freedom of the press should oppose such a union.

CBS will not let Turner win without a fight. The war could take many months to conclude. And now that the network is in danger of a hostile takeover, absolutely anything can happen. Hopefully it won't challenge the unique and mainly objective role of our media.



Column/Thomas T. Huang

Lined up and nowhere to go

When you're a reporter, you remember events through people. You can't recall the specific incidents, but you can remember a phrase, a mannerism.

The first time I met Leon Arries, he ran the MIT gas station during the oil crunch in the late 1970s. You could see the patches of sweat under his armpits, the skin through the holes in his t-shirt. He was a man who stood still in the maelstrom of those hectic days.

"Hell, hell, what do you want, son?"

In the first place, I was never a good reporter. In high school, I was to write a story on gasoline, but because my editor in chief stuttered, I conducted an interview with Gaston Otterman Hall, the third floor janitor. I know a lot about mops now.

So Kaliski with his beard scared me when he told me to write a story on Boston gas stations. Gas was hot news back then. OPEC was very powerful. No one could foresee its eventual babbling collapse. Slippery hands reached for US dollars, and prices for premium and unleaded skyrocketed.

America, you were out of gas. "Tom, you'll do fine," Kaliski said. "Just ask a lot of questions about gasoline." I wasn't used to the city life, coming from the farmland. Only telephone booths

looked familiar. *They plate their buildings with glass, they must do the same with their outhouses.* The operator told me to dial again when I tried to flush.

Talk with Kaliski brought me to the MIT gas station. To get there, you drive down Amherst Alley and turn left on Massachusetts Avenue. You follow the white dashed lines on the hot tar for one block.

America, you stood in line.

The lines were long. The cars were shopping carts. Backseat children screamed in synchopation to car horns. I stood behind a Cadillac that was big enough to accommodate a Weight Watchers' reunion with a three-piece band for entertainment.

I asked the station attendant a few questions. He replied, "I'm sorry, son. I can only give you gas, that's what the President says. Can't answer questions about the Middle East."

Arries emerged from his office, towelling his hands. "Hell, hell, what do you want, son?"

"I don't know what I want," I said. "What's it like, working in a gas station?"

"Much like a reporter," he said. "You sit and observe the people going by. Nowadays, people have just been waiting in line, as if that's what they wanted to do. What are they interested in?"

Later, when I knew him better,

he revealed that he had in fact studied mechanical engineering at MIT until 1963, when Kennedy got shot.

He said, "I can remember where I was when John got shot. I was making love with my wife. For some reason or the other, she was watching TV and saw the whole thing."

"John said we should go to the moon." Then came the assassinations and wars of the 1960s.

"I'm waiting here, trying to see what interests me," he said. "When I find it, I'll move on."

I saw Leon a few times after that. We talked about how Ronald Reagan had drawn a picture of a great America which was going places, dependent on no one. "He's drawn a picture on a curtain," Leon said. "If you look through the curtain, you will find people are still standing in line."

Then, in the beginning of my junior year, he was gone. Nobody knew where he went.

Sometimes now I think of Leon. When I do, I think of the MX missile and the starving people in Africa. I think of the average salary of an MIT graduate and the bums of Central Square.

America, you spent all your money on gas, but you didn't even know where you wanted to go.

Hell, hell, what do you want? Leon Arries, he moved on.

The Tech

Volume 105, Number 19

Tuesday, April 23, 1985

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feedback

A sarcastic look at the arms race

To the Editor:

On Wednesday, April 17, two distinguished MIT professors and the Indian ambassador to the US spoke here to mark the 40th anniversary of the first explosion of an atomic bomb. The two professors, Phillip Morrison and Victor Weisskopf were both part of the team that developed this first nuclear bomb. All three speakers talked of the evils of the nuclear bomb. They talked of the new dimension of horror that the bomb allowed. They urged nuclear freeze, nuclear disarmament and all agreed that conventional weaponry and conventional warfare were infinitely better.

To my way of thinking, this doesn't make much sense. Weapons are made to kill people. If my job is to build weapons, I want to build the most efficient weapon I can, i.e. the weapon that will kill the largest number of people at the lowest cost. The nuclear bomb wins hands down.

Another point, since the people I'm trying to kill are my enemy (the bad guys), I might also

want to make them suffer before they die. In other words, another objective of the weapon builder might be to inflict the maximum pain at the lowest cost. In this case I might consider nerve gas or germ warfare. However, the choice is not clear cut since it has not been conclusively determined whether the suffering caused by radiation from a nuclear explosion is greater than that caused by chemical warfare. (In fact, a working definition and an accurate measure of suffering is badly needed.)

If this turned out to be the case, then based on this criterion of optimality my choice would again be the nuclear bomb. Of course other choices are available, for example a combination of germ warfare and nuclear missiles. We might, for instance, want to maximize suffering in and around Moscow, but only maximize killing efficiency in the rest of Russia.

I think you get the idea. There is room in this field for many bright young minds. So, if you

have demonstrated ability in math and science and have a strong moral foundation, come, be all that you can be. Remember, if you don't do it, someone else will.

Erastus Njage G

Media Lab hires undergraduates

To the Editor:

The Media Laboratory is the largest single patron of UROP at MIT. Hence, I was surprised to read that "few undergraduates really have any business there at all." (Andrew Bein's column entitled "The administration's shadow lies over MIT's spontaneity," Apr. 12.)

In addition to the ten research groups housed by the lab, there is an academic program which enjoys a sizeable undergraduate enrollment. Needless to say, the Hayden and List Galleries encourage undergraduate participation.

Walter Bender
Principal Research Scientist
The Media Laboratory

Sponsored by the Office of the Dean for Student Affairs

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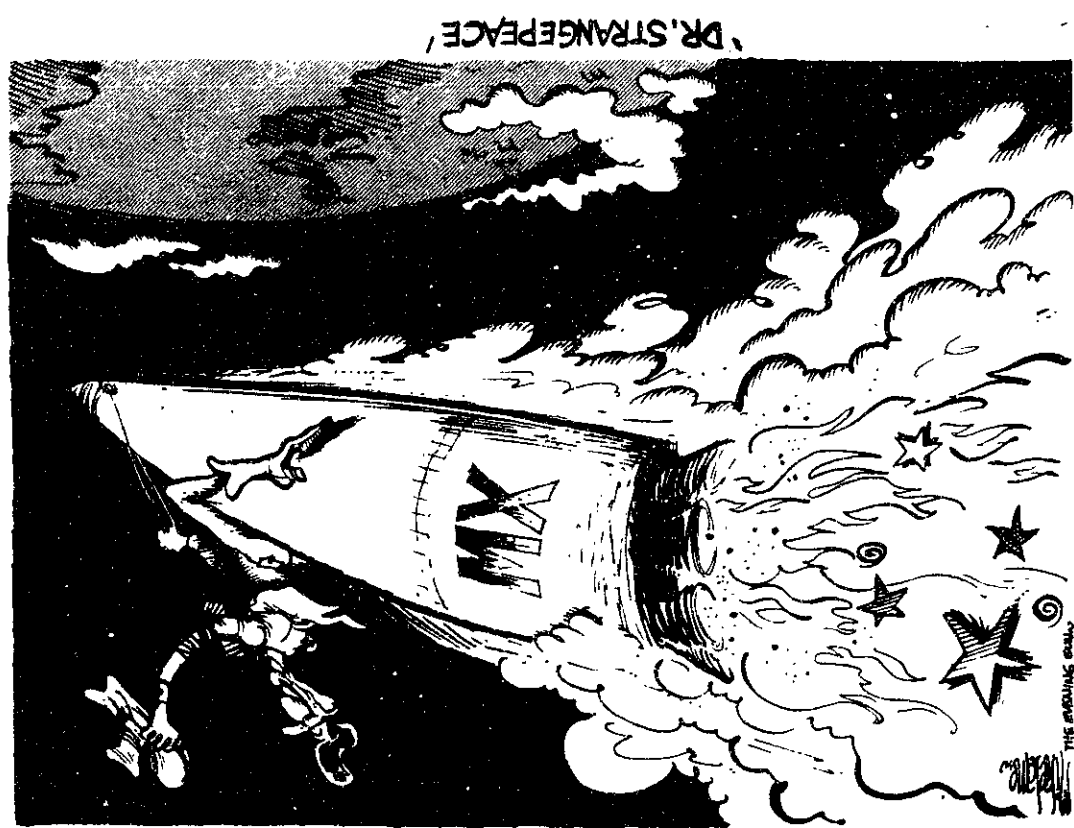
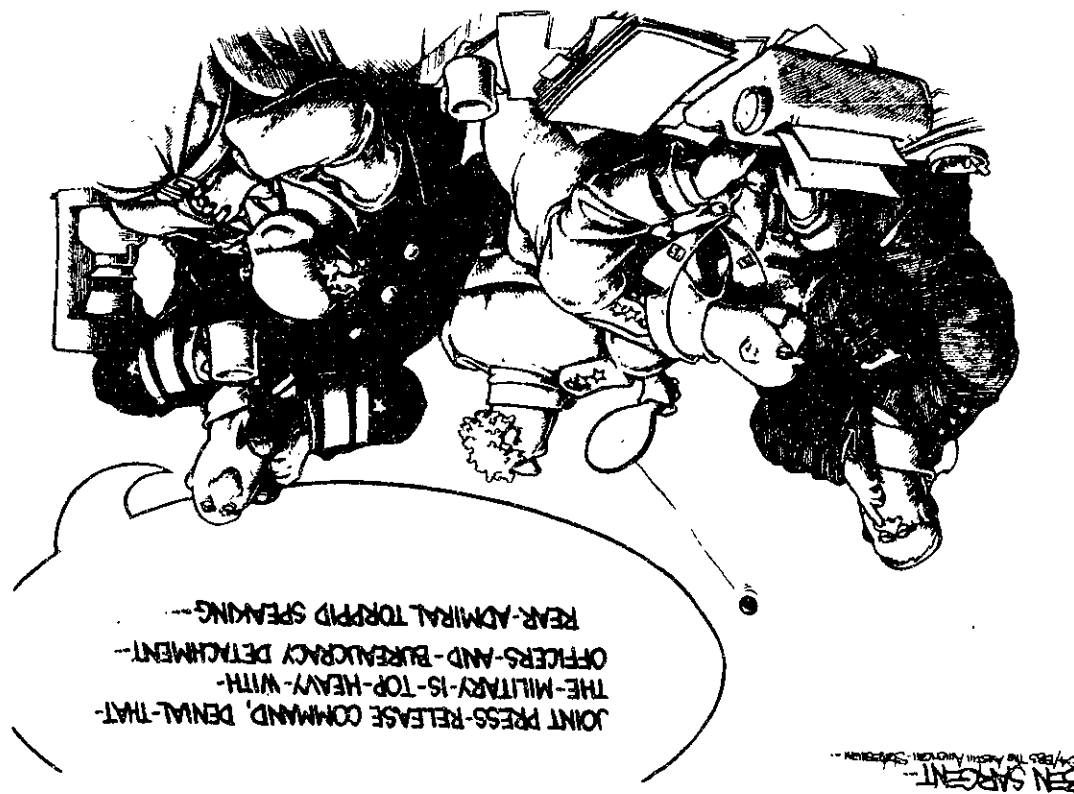
MEZZANINE LOUNGE

Wednesday, April 24th

PROPOSED ALCOHOL POLICIES

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opinion

(Continued from page 1)
way."

A group must have 35 members and campus IFC approval to achieve "probationary chapter status" in KDR, Kharbanda said. After a successful probationary period, the national fraternity initiates the group as a chartered member, he continued.

"I believe we should have a [recommendation from the Expansion Committee] by the end

of this term or early next term," Kharbanda said. "After that, we'll be voted on at the IFC general session. The next IFC meeting is next term."

"Now we are waiting for the IFC," Kharbanda said, "which is waiting for the Expansion Committee, which is considering the pros and cons."

Kharbanda said, "The IFC is where we're stuck. It doesn't seem to be going very well."

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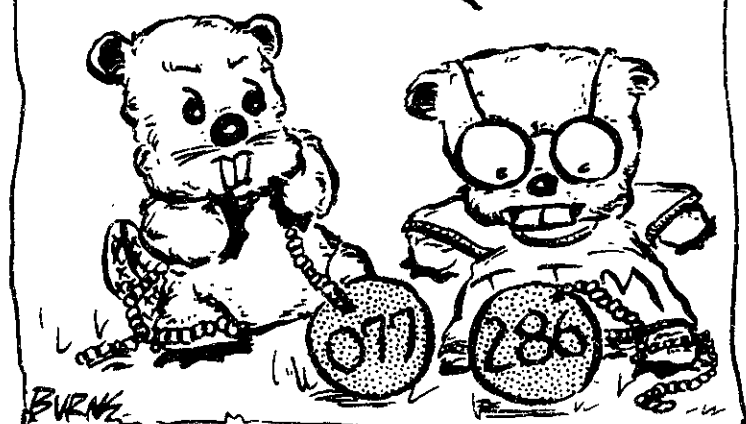
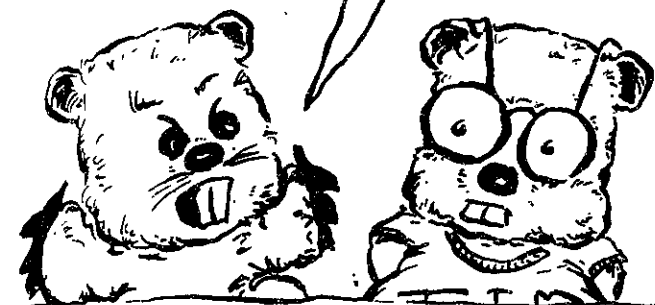
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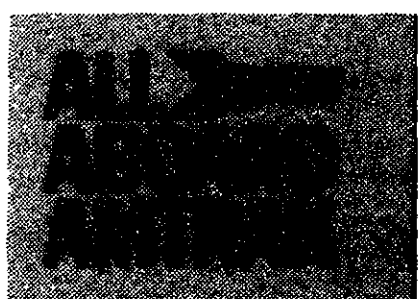
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ARTS ARTS arts

Honest performance of Romeo and Juliet

Romeo and Juliet, performed by the MIT Shakespeare Ensemble in the Sala de Puerto Rico. Last performance tonight, Tuesday, April 23.

Thumbs up to the Shakespeare Ensemble and their new director Derek Campbell. Their production of *Romeo and Juliet* runs like a train hell-bent on disaster. It is some of the best drama I have seen on a college stage, and it is certainly worth your while.

Romeo and Juliet is a deceiving play. Scholars all seem to agree that it lacks the depth and grandeur of Shakespeare's later tragedies — most notably *Hamlet*, *King Lear*, and *Macbeth*. Its plot is certainly simpler, but its thematic material speaks with great power. In studying the conflict between ungovernable adolescent passion and conventional adult wisdom, Shakespeare peopled his play with the most humane of characters. The play is fascinating because the author doesn't take sides.

Campbell and his cast have presented this aspect of the play with great success. *Romeo and Juliet* are endearingly in love; however, there are times when the audience can't help but laugh at their foolishness. Capulet rages at his daughter not because he is an evil old man, but because he is an exasperated father.

Friar Laurence gives wise counsel, but his inability to muster courage for his own convictions costs the lovers their lives. But the Ensemble's production lets us understand why each character does the things he or she does; as a result, when the play has run its bloody course, we cannot condemn anyone.

Jay Slagle '85 and Andrea Dann W'87 bring remarkable energy and courage to the title roles. They display an astonishing range of emotion without once falling into cliché. They communicate with each other both vocally and physically without being artificial, and they both more than hold their own when apart.

But talented as they are, Slagle and Dann need and get a lot of help from the rest of the cast. Michael Levine turns in a Mercutio as engaging and impish as the fabled Queen Mab he discourses about. His bawdy diatribes, which at times reach sinister proportions, contrast with Romeo's lovesickness in an unexpected way; they are the cries of a man who desperately wants to love, but is afraid of the emotion.

Carl Kraenzel '87 plays the pivotal role of Friar Laurence thoughtfully and convincingly. He has both a great voice and a great physical presence, but I found his old-man's shaking a bit distracting, especially in his earlier scenes. Andrea McGimsey '87 (the Nurse) has promise; she plays with restraint, refusing to go after the cheap laugh, giving us instead a well-meaning, but ignorant old woman. She has a tendency, however, of letting her old woman's voice slow down the pace of a scene.

I can't say enough about the play's direction. Campbell is always in control of the playing space. He stages scenes decisively and creates striking stage pictures. And he suffuses key scenes with comedy and pathos simultaneously. That's the kind of stuff that blows audiences away.

Geoff Pingree's fight choreography is breath-taking and I think you'll agree that the opening *melée* is alone worth the price of admission.

The production is not without flaws, but on the whole, they are so inconsequential that I hesitate to enumerate them. One of my quibbles has to do with the staging of the party scene in Act One: I would like to have seen Capulet and Tybalt placed on the balcony. Staged in this way, their fiery exchange over Romeo could draw even more pointed attention from the dancers below, and Tybalt could be even more frustrated because his enemy is not immediately accessible.

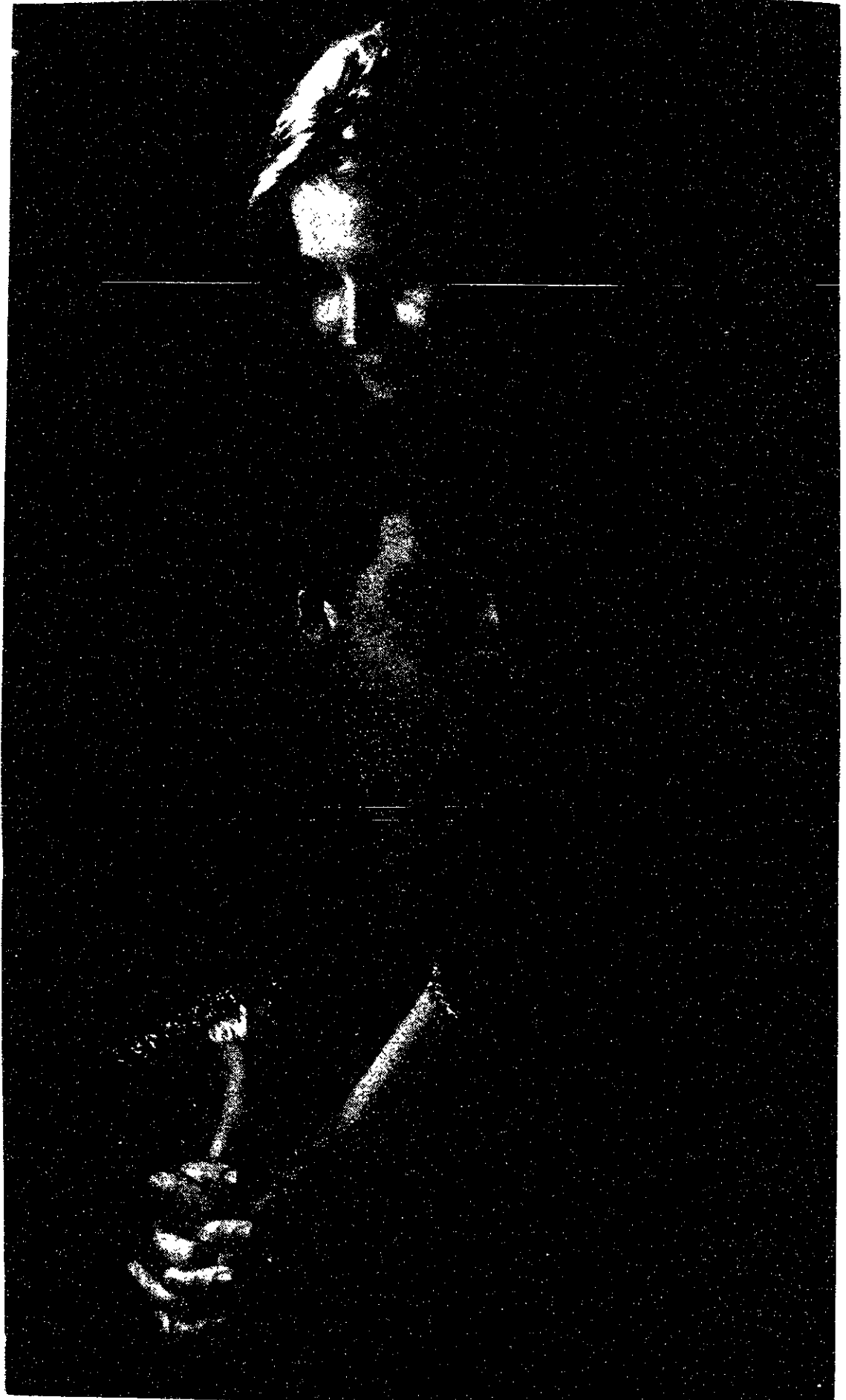
diately accessible.

I also had reservations about the pacing in the early part of the play. The quieter scenes in the first two acts tended to drag; actors weren't picking up their cues as quickly as they could, and some of the longer speeches were plagued with repetitious cadences. Perhaps some of the actors need a more concentrated warm-up. In

any case, these problems have probably vanished in subsequent performances.

The play's greatest enemy is triteness, and any production that fails to attack it honestly will have serious problems. My hat is off to the Shakespeare Ensemble for its honesty. Don't miss *Romeo and Juliet* — tonight's the last night.

Bill Bryant



Jay Slagle '85 and Alexandra Dann W '87 as Shakespeare's star-crossed lovers.

U2 concert trite, blurry, condescending

U2 at the Worcester Centrum, April 19.

I had not intended to write a review of the U2 concert. *The Tech* had not sent me, and I am not a music expert. The concert disappointed to such an extent, however, that I feel compelled to say something about it.

U2 is a Irish band known for its innovative music, incisive lyrics and dedication to ideals of peace and brotherhood. Those three strengths came out Friday as uninspired, inaudible and trite, respectively.

The sound, while average for a concert, was not nearly adequate for U2's purposes. Great decibel output conflicts with the sensitivity of their work. It obscures the lyrics and reduces the music to only the group's signature chords — the ones that make you say when you listen to the radio, "I don't know what it is, but it sounds like U2."

Lead singer Bono Vox only went through the motions for the first half of the concert. Larry Mullen Jr. and Adam Clayton were loud, though inoffensive. The Edge was dull. Their performance suggested Van Halen on quaaludes.

The concert only achieved its potential in the last two songs of the main set, "New Year's Day" and "Pride in the Name of Love." The encores, "Gloria" and a cover of Bob Dylan's "Knocking on Heaven's Door," were energetic successes. Even then, U2 kept "New Year's Day" to its minimum length. A song of that quality

deserves an extended bridge in a live version.

The most offensive part of U2's act was Bono's condescension to the audience. Yes, we all know Ireland is a land torn by foolish religious strife. We do not need Bono to tear the green and orange stripes from the Irish flag, throw them into the audience and wave the remaining white stripe in surrender.

Bono also expropriated and expanded Bruce Springsteen's schtick of pulling a beautiful woman out of the crowd and on to the stage. Bono, however, perhaps in the spirit of egalitarianism, selected a fat, hulking woman, who attached herself to his neck for the duration of the song.

During the Dylan cover — dedicated to all the aspiring bands — Bono helped a "guitarist" on to the stage, gave him his guitar, taught him four chords and let him play for us. To the "guitarist's" credit, he used the instrument with more clarity than Bono did for most of the evening.

The last addition was that of a small child from behind the stage. Bono carried the boy on his shoulders and sang a few bars from "We are the World."

The trite, blurry performance may have been worth the price of admission to U2 devotees. In no way was it worth the 200-300 percent mark-ups charged by scalpers for the sold-out concert. If, when U2 returns, you must see them — well, then you must. This fan, however, will not be there.

Robert E. Malchman

Museum of Fine Arts

Tomorrow evening, April 24, the Museum of Fine Arts will host its annual open house for universities participating in its University Membership Program. In case you didn't know yet: that includes MIT. With a sense of drama unexpected from such a placid institution, they call it The Event.

In addition to the Museum's exhibits (which currently include the Great Boston Collectors show), there will be live entertainment provided by students of participating institutions. MIT will be represented by the Logarithms, and by Susie Lee '88, Ondria Jaffe '85, Tomoko Kimura '86, Una Hwang '88, Bertha Chang '88 and Monty McGovern G, who will give piano recitals.

If you want to see the Museum but always waited until next weekend, here's your chance. The Event starts at 7pm and ends at 9:30; the address is 465 Huntington Avenue, Boston. Bring your ID for free admission.

ARTS

ARTS ARTS ARTS

Baker Cabaret: touching and entertaining

Cabaret, by Baker House Productions. On Thursday, April 18 in Baker House dining hall.

The opening of *Cabaret* on Thursday night in Baker dining room was audibly appreciated by the varied audience.

In spite of the physical restrictions imposed by the theatrically inadequate environment, the nightclub-like seating arrangement provided the needed intimacy between actors and audience. An open bar was also set up, so one could literally sit back and watch the "Cabaret."

Moreover, the production was dedicated to the late Steven Andrews, a former member of the dramatic equipte. Believe me, Steven would be proud and honored by the effort of all his classmates and peers.

Sure, some of the numbers did not have the perfection of execution that some of us often pretentiously expect — as if everybody had the talent of Joel Grey, Liza

Minelli and Michael York. So what? The students who took part were all extremely talented, some more than others, and some almost disturbingly close to their Broadway or Hollywood counterparts.

The combined efforts of producer Kenneth Corless '86, orchestral director Robert Frank '87 and director Matthew Kaplan '87 were full of zest and enthusiasm.

Matthew Kaplan '87 played the Master of Ceremonies with the right amount of aggression, arrogance, eeriness and scornfulness demanded by the part. Sally, the aspiring English actress, was played by Cynthia Millington '86 with equal spontaneity. Fraulein Kost (played by Sue Behson '88) projected her voice especially well and carried many of the musical numbers. Most notably her talent proves to be a real asset in the rendition of "Tomorrow Belongs To Me," the famous piece which first warns the audience of the imminent rise of

Hitler.

And the list goes on; from the Kit Kat girls' lecherously performed gyrations, to the unexpected Tap Dance in scene 11 of Act One. Not to forget, of course, the orchestra. I only wished that they had been more visible. The replay of "Cabaret" at the beginning of the second act contained a compelling sax melody, played by Perry Ziff '88, which could have been a performance in itself.

The abundance of frivolous, fast-paced scenes set a chilling contrast to the tragedy of others. The two romances which characterized the storyline along with the impending rise of Nazi Germany were tragically choreographed throughout. Sally's bubblyness could not offset Cliff's (played by Charles Jones '87) political preoccupations. A reminder that for some of us life is *not* a Cabaret. Similarly, Fraulein Schneider (played convincingly by Susan

Rowell '87) found that, despite her aging and loneliness, she could not marry Herr Schultz (played by Alan Hillbrand) because he was Jewish.

The last scene was particularly spine-chilling. Hitler, impersonated by the Master of Ceremonies, finally rose above his politically inebriated marionettes. An extended drum roll left the audience clapping, but at the same time with a frightening reminder of the Holocaust.

*So What's good in sitting,
Like a nerd in your room,
Come to see Cabaret ol' chum
At Baker House dining room.*

Well, if you missed it I guess you must have been either nerding in your room or, preferably, pursuing another event of comparable artistic value.

Corrado Giambalvo

Music Expo successful, but not enough

The WBCN Rock and Roll Expo '85, held last weekend at the Bay Side Exposition Center.

The second annual WBCN Rock and Roll Expo opened early last Saturday morning. Last year's was a great success, and the promoters were promising even more this year. Musically, they came through. The performances were well-produced and arranged. The selection of exhibitors, however, left a little to be desired.

The fault does not lie with WBCN, we think. Rather, the business in the Boston area failed to recognize the power of WBCN to draw a crowd. There were bargains to be found and thousands of purchasers to take advantage of them. Anything on sale was likely to be bought.

Strawberries, a local record store chain, had to set a 50 piece limit on its sale stock. Ken and Dave (of Manufacturers' Marketplace) were present in force to sell their wares, and did well by the looks of it. There is a question, though, in our mind as to how well they followed through on their advertising.

There are more than two stores, however, that cater to the crowd that enjoys WBCN's kind of music. Some were present, others were not. There was a surprising number of beer-selling booths and of political action groups. Also the Army and Air Force had recruiting booths, tentacles grasping at prospective young enlistees. But, there was a lot more room for other booths.

The proportion of interesting to non-interesting booths was unfortunately low. We asked the man at the asbestos removal service why he was at a rock expo and he commented "advertising." It is a shame that other, more relevant, exhibitors didn't appear.

WBCN played its part well. The people behind the scenes as well as the disc-jockeys were on hand to speak to everyone they met.

The booths run by the station were often as crowded as any other booth as listeners collected autographs and spoke with the radio personalities. The music they were playing was especially good and well engineered. They broadcasted live from the Expo which was a sight in itself.

Incidentally, an MIT alumnus, Mike Brody '82 is in charge of the BCiNterface, the radio station's on-line bulletin board system. No, don't jump to conclusions — he was a Biology major. There's hope for some of us yet.

Overall, the crowd kept mobility down, so there was enough to keep one busy for a while between the main attractions — the music. The major attraction that morning was Fiona, and her performance was all that we were able to see because of our time constraints; however, WBCN was able to arrange a fantastic selection of

musical groups for the Expo, at a price that can't be beat. Also appearing were Angel City, Gary Shane and the Detour, Keel, and Meatloaf.

As word gets around to the dealers the Expo will grow in size. Next year's will probably be even bigger. The Expo was a great diversion for a day or a weekend.

* * * *

Fiona is a refreshing and energetic performer, a unique fusion of hard rocker and torch singer. In concert, as well as on her debut album, she displays a depth of emotion not normally seen in the hard rock genre.

A virtual unknown until last month, Fiona is already developing a following, as shown by the substantial crowd that came out very early last Saturday afternoon to see her first major performance in Boston. Those people who managed to make it to the show were not disappointed. Fiona gave what can only be described as an outstanding show.

For a performer who had done only three major shows prior to this, she displayed an unusual amount of stage presence. An important aspect of her performance is that she sings to the audience, not at the audience. Watching her, one feels as a part of the event, not merely as a passive viewer.

After beginning with a great tune that is not on the album, she threaded her way through the hard-rocking "Hang Your Heart On Me," and the ballads "Rescue You" and "Over Now." During the "Na Na Song," the audience spontaneously began to sing the chorus along with her. Finally, she concluded with an exciting version of the hit single "Talk To Me."

Fiona delivered her songs flawlessly, with a beautiful, powerful voice. Sound quality was exceedingly good and not overpowering, a departure from the norm of rock concerts. Fiona sounds great live, which indicates that she did not require extensive studio mixing to release her album. The talent is all hers, not that of a recording engineer. On stage, Fiona is a ball of energy, never still, constantly directing deep emotional response into her act.

Of course, she is not alone on stage. Her band is very good in its own right. The guitarist's wailing solos and harmonies, the bassist's heavy bass lines, and the drummer's strong beat complemented Fiona's singing perfectly. The group was rounded out by keyboards and a saxophone, who, while not as conspicuous, contributed extensively to the overall effect.

For those who enjoy hard rock with a soft touch, Fiona should not be missed. She will be appearing again in Boston at the Paradise Theater on May 9.

Ronald E. Becker
David Watson



WBCN's Rock and Roll Expo '85.

Tech Photo by Ronald E. Becker

Widows and Mixed Company

Spring Sing, featuring The Bostones, The Wellesley Widows, Mixed Company, and The Chorallaries. Saturday, April 20, in 10-250.

Singing groups from three colleges and one other from the Boston area combined in the 1985 Spring Sing on Saturday. Admission was free and the concert lasted well over two hours.

The first group to perform was a male *a cappella* group called The Bostones. They replaced the Tufts Beelzebubs, who cancelled. The Bostones are a group of men working in the Boston area who sang when they were students in colleges across the East Coast. Most of their songs were from the sixties, and they did great justice to this genre.

They started with the Beatles' "Please, Please, Me," and continued with "Wacky Dust" by the Manhattan Transfer, a group they obviously appreciated. The set was interrupted by the story of "Rinderella," a popular parody of Cinderella. They followed with "Rag Doll," Tom Lehrer's "The Hunting Song," a Manhattan Transfer medley and "Takin' it to the Streets" by the Doobies.

Craig Rosen's arrangement of "Hey, Hey, Goodbye," which had all of 10-250 clapping and singing along, ended The Bostones' segment. Although they didn't always hit harmony on the bullseye, they are a fresh and optimistic addition to the student-dominated *a cappella* circuit.

The next group to appear was The Wellesley Widows. As the name suggests, the group is from Wellesley College and consists of would-be widows. The group dressed entirely in black, and one of the singers explained the group's history: "We found out we were all married to the same guy. We'll spare you the gory details..."

The Widows opened with "Boogie Woogie" by the Andrews Sisters, a song which has become clichéd in the world of unaccompanied vocalists. They sang James Taylor's "Lonesome Road" and "Let's Misbehave," a song of decayed moral standards. Louise Williams was the soloist for "When Will I Be Loved," by Linda Ronstadt. Of the single Ronstadt imitation I have ever seen, this was definitely the best.

An interlude followed featuring a five member group, The Et. Als. Their rather confusing set included "Happy Birthday to Jeffmmmm" (a singer in the Chorallaries) and "Dog-Calling Time in Nebraska."

The next group to appear was the best group of the evening. Mixed Company from Yale University gave an exciting and diverse act. The group started with a jazzy introduction and moved to a slapstick rendition of Madonna's "Material Girl" combined with a parody of TV's "The Price is Right." Their next song was Yale's Fight Song, "Bulldog," which convinced me that Yale has a greater enmity towards Harvard than MIT does.

Mixed Company continued with a Southern song about "A Boy Named Sue" and ended with "Somewhere over the Rainbow," with a convincing vocal bass accompaniment.

The group was called back for two encores, the latter of which was especially delightful. Called the "Tacobelle Canon," it was an interpretation of Pachelbel's "Canon in D major," based on a collection of original and familiar fast food jingles.

The Chorallaries completed the concert with a variety of old and new songs. The opener was "Good Advice," a humorous version of the world's great discoveries.

Included in the set were "Rubber Duck-y," "Tell Her About It," "On and On," and "I Write the Songs." The group apparently did not cover all the material they had planned for their "Concert in Bad Taste," as evidenced by their rather tasteless jokes during this concert.

I was particularly disappointed that they did not sing the verse about Yale in their encore performance of "The Engineers' Drinking Song." In addition, their rendition of "Old King Cole" from the "Bad Taste" concert was favored over the standard one performed on Saturday.

The Chorallaries announced that their second record will be coming out in May. I encourage everyone at MIT, as well as anyone with a patient but subtle sense of humor to get a copy. I hope to get mine autographed.

Ben Stanger

ARTS ARTS ARTS ARTS

Gotcha! Will Getcha!

Gotcha!, directed by Jeff Kanew, starring Anthony Edwards and Linda Fiorentino.

There is not much that can be said for the genre of film commonly called "coming-of-age movies." They seldom provide any revelations about life in general or coming-of-age in specific. However, when well done, they are often very entertaining. Such is the case with *Gotcha!*, a Jeff Kanew film previewed at MIT courtesy of LSC last Wednesday.

Anthony Edwards (*Revenge of the Nerds*) plays Jonathan, a college student whose skill at 'gotcha' far outstrips his way with women. 'Gotcha' is a hunt-and-kill game played with airguns ("assassin," for those of you from south of the Mason-Dixon). Jonathan's luck changes dramatically when he goes to Paris for a school break, but not entirely for the better.

Enter Sasha (Linda Fiorentino, *Vision Quest*), the mysterious courier who likes

"young wirjins." She captures Jonathan's lust if not his love and leads him on a memorable European vacation — one that even follows him home.

While this movie makes no effort to take itself seriously, it passes up most of the obvious opportunities to display infantile humor or flash skin. Also, the movie's ability to entertain is not hampered by the scriptwriters' ignorance of some of the more rudimentary rules of spycraft. They did manage to write in some very funny situational dialogue. They also managed to leave out the grisly scenes that seem to have become obligatory in any movie that offers the slightest chance to include such gore.

Gotcha! is definitely not a Le Carré thriller, but it is a very enjoyable teenage fantasy.

James F. Kirk

Back in Boston

METROPOLITAN OPERA

April 22 - 27

Eugene Onegin, Tuesday April 23, 8pm

Lohengrin, Wednesday April 24, 7pm

Rigoletto, Thursday April 25, 8pm

Simon Boccanegra, Friday April 26, 8pm

Così fan Tutte, Saturday, April 27, 8pm

Student rush tickets available at box office on day of performance only for \$8. Valid ID required.

Rush tickets also available for **Hansel and Gretel** on Saturday April 27 at 1:30pm for \$5

Wang Center for the Performing Arts
273 Tremont St., Boston

METROPOLITAN OPERA



Mozart's *Dorabella* is pictured here urging you to take advantage of the Metropolitan Opera which is descending on Boston this week. Four of their performances — of **Eugene Onegin**, tonight at 8pm, **Lohengrin** tomorrow at 7pm, **Simon Boccanegra** on Friday at 8pm and **Hansel and Gretel** on Saturday afternoon at 1:30pm — are part of **The Tech Performing Arts Series** and anyone in the MIT community can purchase tickets from the Technology Community Association for \$8 (\$5 for Hansel and Gretel). Drop by Room W20-450 in the Student Center or call 253-4885.

If you want to see **Rigoletto** on Thursday or **Così fan Tutte** on Saturday, both at 8pm, students can get rush tickets on the day of performance only at the Wang Center box office at 273 Tremont St. in Boston. The price for these will also be \$8. Remember to take your ID.

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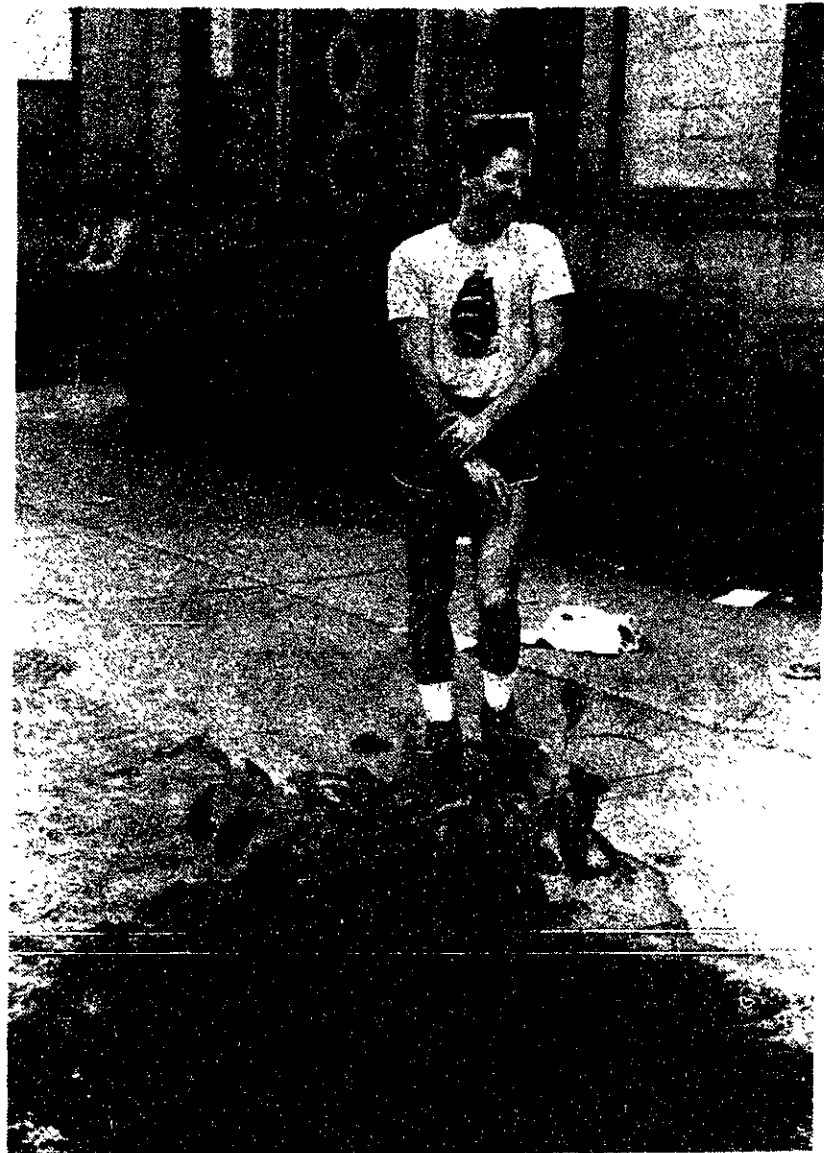
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Tech photo by H. Todd Fujinaka
Jordan Voelker '85 starts his own neighborhood beautification program in front of Random Hall.

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A Panel Discussion

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Barbara Beatty
Assistant Professor of Education, Wellesley College

VOLUNTEER PROGRAMS

Alford Dyson, Jr.
Director, MIT Secondary Technical Education Project

Ronald Crichlow
Director

and
Gina Ferron-Muccio
Educational Coordinator

MIT-Wellesley Upward Bound Program

Alan Brickman
Cambridge School Volunteers

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Self-help level conforms to criteria

(Continued from page 1)
slides in from outside."

Gray expressed doubts on whether the percentage of tuition revenue returned as financial aid can continue to grow.

Tuition income goes directly into unrestricted funds. MIT is spending \$6.5 million from those funds on financial aid, according to the SFAO. The office also administers a \$36 million scholarship endowment.

Gray warned against extrapolating past successes into the future. "I worry about what happens when ... [students] can't raise that much self-help," he added. MIT's self-help level,

\$4900 for next year, is approximately 12 to 13 percent higher than that of comparable universities.

Gallagher said he is "not as concerned as [Gray] is." It is possible to "measure the goodness or badness of a self-help level in many ways," he said, citing the following criteria:

- Is the self-help level so high that juniors in high school do not apply to the school?
- Does the self-help level deter freshmen from entering MIT?
- Will students be forced to choose lucrative careers because they are concerned about repaying their self-help debt?

- Must a student work 20 to 25 hours per week because of the self-help level?

- Is a senior's accumulated debt enough to prohibit continuing in graduate school?

- Will alumni have difficulties repaying their debts?

- Does MIT's self-help level look unreasonable compared to other schools' self-help levels?

"I am convinced [the self-help level] is not too high on every measure except the first one," Gallagher said. He could not be sure whether high school juniors were discouraged from applying because that factor could not be measured, he added.



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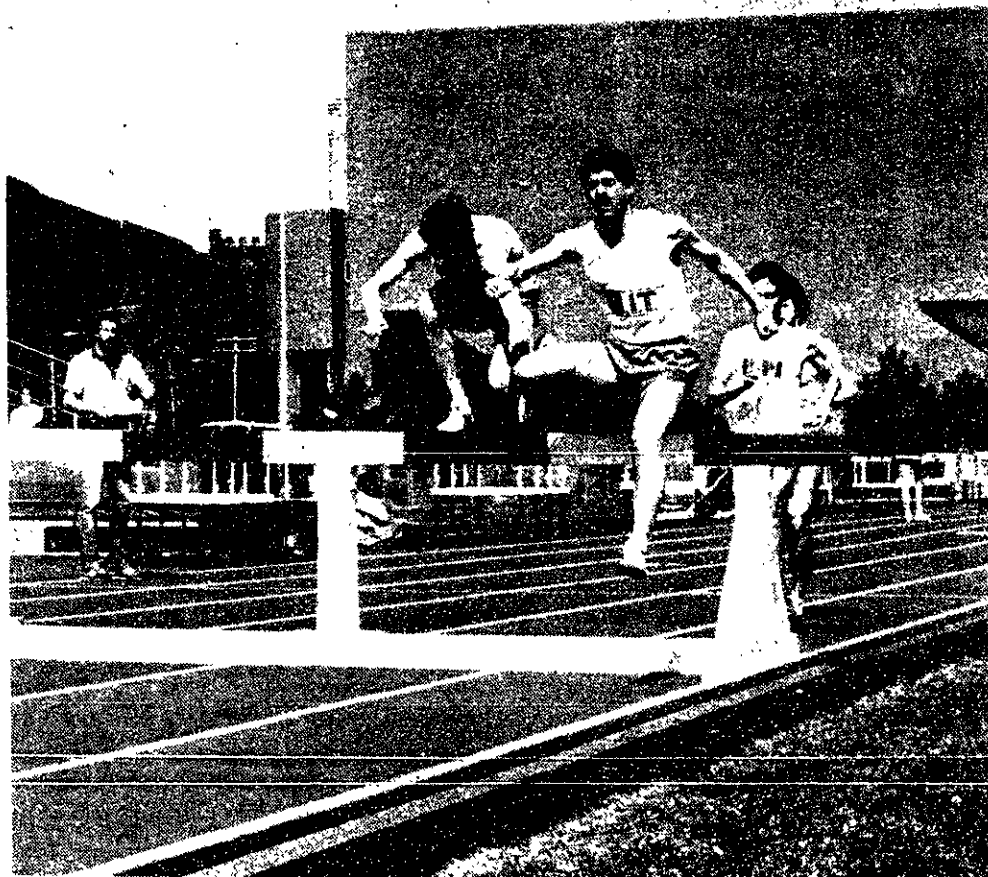
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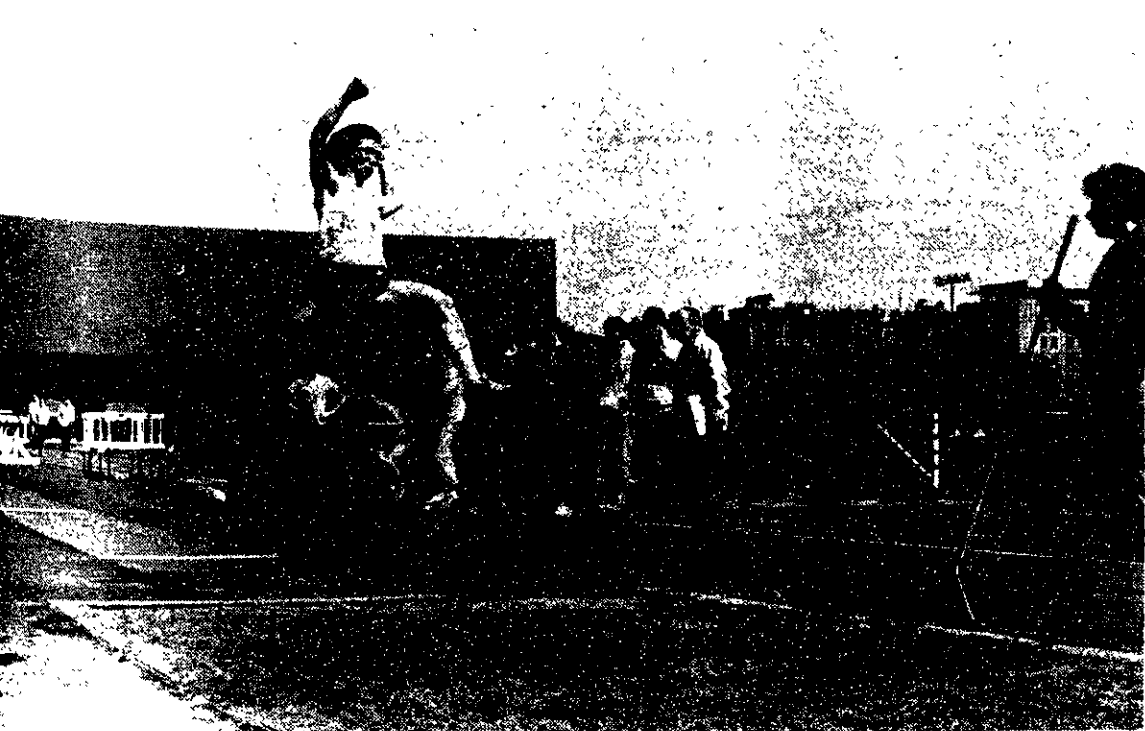
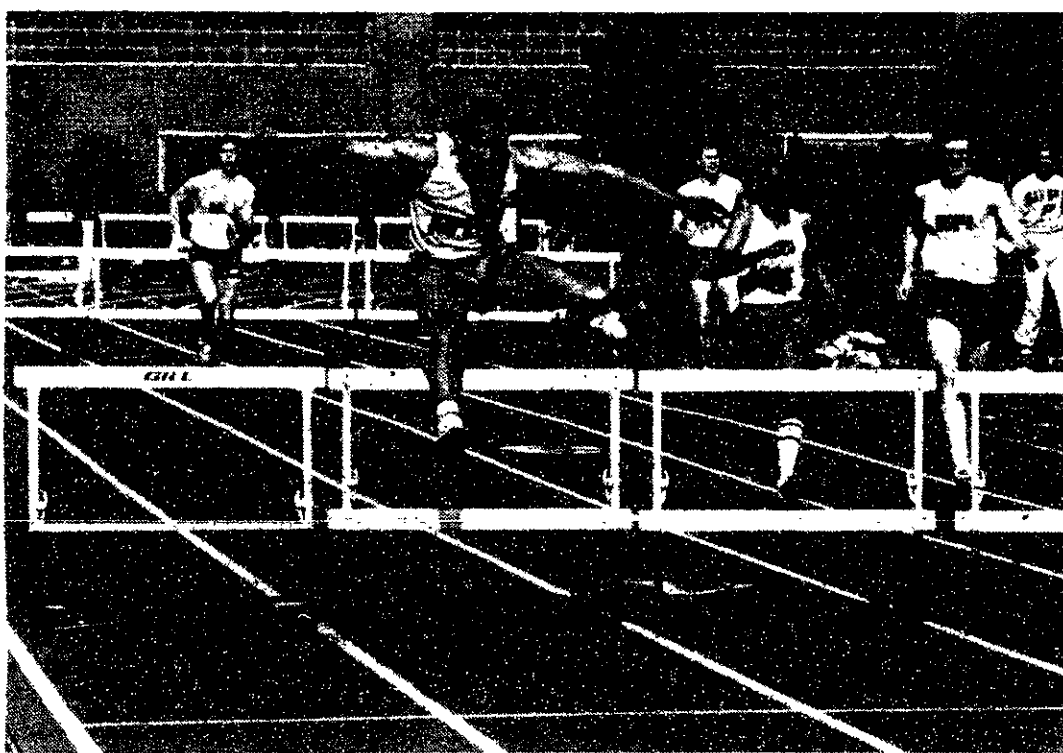
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Raytheon

sports



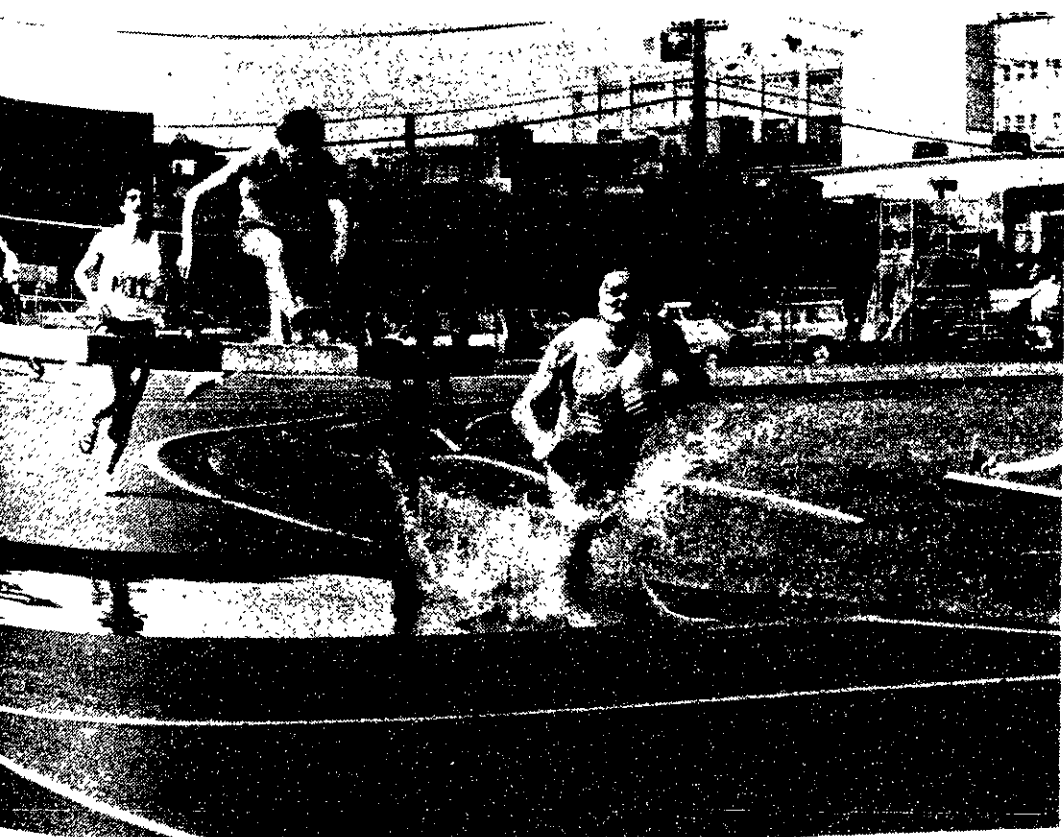
T R A C K v s. W P I



A	B
C	D
E	
F	G

- A: Six sprinters explode from the blocks at the start of the 100-meter dash.
B: Turan Erdogan '87 (right) and Terry McNatt '87 jump over the barrier in the 3000-meter steeplechase.
C: Co-captain Patrice Parris '85 makes his second attempt at the discus.
D: Co-captain Ron Smith '85 leads and wins the 400-meter hurdles.
E: Jacob Kim '87 takes to the air in the long jump.
F: Brian Callaghan '87 splashes through the water trap during the 3000-meter steeplechase. Teammates Terry McNatt '87 and Turan Erdogan '87 follow close behind.
G: Andy Gengos '86 hurls the javelin.

**Tech photos by:
H. Todd Fujinaka
and P. Paul Hsu**



sports

Lacrosse has growing pains

By Chris Kelley

Time stops for no man, or team; there is no gain of new blood without a loss of old faces; and so on. The real story is that graduation last spring left the men's varsity lacrosse team decimated.

A most peculiar sport by anyone's standards, lacrosse takes years to master and MIT's coach Walter Alessi is looking into the future, far into the future, for the date when this team will be at its greatest potential.

John Griffith '88, playing goal, is oh-so new to his position, but by no means new to the sport. One more year of practice to become a solid goalie, the coach estimates.

Griffith has made some notable saves, but weakness here means that no lead is ever really secure, and undisciplined shooting by opposing forwards may be rewarded.

MIT graduated all of the team's top three scorers from last season, leaving the Engineers to scrap for their points. MIT hasn't always taken advantage of its shooting opportunities, according to the coach. Anyone watching the lacrosse team go after the enemy, though, might have difficulty believing the complaint that they were not aggressive enough.

There are new men on the offensive line as well. Tom Dorf '88 has racked up the most goals so far, despite inexperience playing here. Mike Foley '87, moved up to the offense only recently, is the second highest scorer.

Offense is a very difficult position to master, especially if one has not had high school playing experience.

Playing against Babson April 9, MIT came out of an initially slow start with a string of shots that were right on target. At half-time, the visitors were reeling, their apparent dominance of play unreflected on the board.

Babson relaxed its standards a bit in the second half, taking a lot more shots, a strategy which paid off with a slim victory. The

defeat was a bitter reminder that more experienced teams have a tendency to outclass opponents, no matter what kind of game is played.

In the midfield, Mike Ambrogio '85, team co-captain and another high scorer, has freshmen Mike Gaidis and Tim Mattox under his tutelage. This position takes at least one solid year of experience to really get on top of, Alessi says.

If the lacrosse squad finds itself on the defensive, there is a saving

grace to this story. The backup line, those last three players between the offense and the goalie, are all experienced. Jeff Berner G, Rich Rice '87 and Fred Paster '87 guard the Engineer interests here.

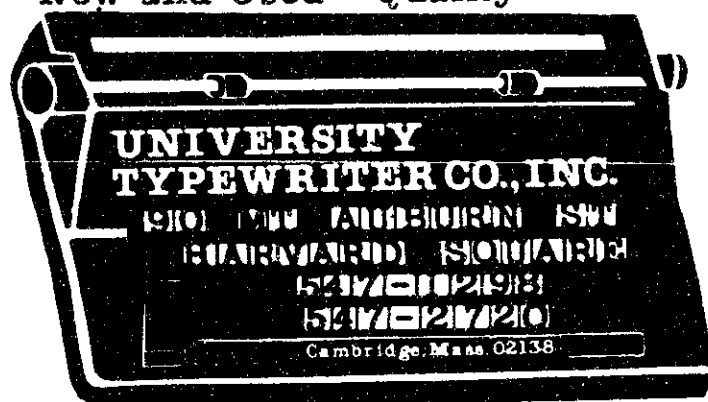
It takes some considerable time to get results in this business. In the meantime, of course, one has the opportunity to chase those who might challenge the team up and down the field with a very large stick. If victory is sweet, there is something to be said for the long-term returns as well.

SUMMER SOFTBALL LEAGUE

Interested in umpiring or entering a team? Contact Dave Torrey, 7-005, x8420 (messages 332-1257) and come to the organizational meeting, May 8th, 5:15 pm, Mezzanine Lounge, Student Center.

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sports

Lightweight crew opens with loss

The men's lightweight crew team opened its season in the Biglin Cup on the Connecticut river in Hanover, NH a week ago Saturday. The Engineers, with a time of 5:59.2, lost to Harvard (5:40.1) and Dartmouth (5:59.2).

Last weekend, the team went to New York City for Saturday's Geiger Cup against Columbia and Cornell. Sunday, the team traveled to Yale.

Women's crew lags at Rutgers

The women's crew team traveled to Rutgers a week ago Saturday and lost to the host school by 19.5 seconds.

The junior varsity fared little better, finishing eight seconds behind winner Rutgers, but the novices registered their first win in three outings, finishing ahead of Rutgers by 20 seconds.

Sailing 3rd in Oberg

The varsity sailing team came in third of eight teams with a score of 79 in the Greater Boston Championship (Oberg Trophy) last Saturday.

Tufts was the winner with a score of 46, followed by Harvard, with 75. Behind MIT were BU with 119, and BC with 125.

Taking second places were Skipper Peter Quigley '85 and Louise Sedlacek '87 in the "A" division, and Skipper and team captain Stephen Paradis '85 with Linda Maxwell '85 in the "B" division. David Lyon '85 and

freshman crew Marc Lie took third in the "C" division.

Last Sunday, the team hosted the Geiger Cup, capturing first place among the five teams present. Quigley and Sedlacek won the "Tech" division, and Paradis and Maxwell won the "Lark" division.

Lacrosse still seeks elusive first win

The men's lacrosse team lost 18-7 to Holy Cross Wednesday. The team is winless this season, while Holy Cross is 9-3.

Mike Vogel '86 scored three goals for the Engineers, while freshman Tim Mattox tallied twice.

Men's heavyweight crew wins again

The men's heavyweight crew team has now won two regattas in a row for its best start in 10 years. The squad beat the US Coast Guard Academy last Sunday, with a time of 5:48.3 versus USCGA's 5:52.4 for the 2000-meter race.

Saturday the squad rowed in the 49th Compton Cup at Harvard and finished third with a time of 6:02.1 behind host Harvard, which set a new river record with 5:42.8, and Princeton (5:46.1).

Golf 3rd in Mass.; suffers first loss

The golf team suffered its first loss of the spring Sunday, falling

by four strokes to the Bates Bobcats. The team's record is now 7-1, 13-2-1 overall.

Thursday the Engineers finished third among 22 teams at the Massachusetts Intercollegiate Golf Tournament at Stow Acres. Amherst and Salem State tied for first with 309, followed by MIT with 314, UMass with 318, and Tufts with 321.

Sailors 2nd to Tufts

The men's sailing team finished second of 14 at the Harvard Invitational Saturday. Tufts took the top spot with 27. MIT had 42, and BU was third with 45.

Martin Dickau and Eric N. Starkman



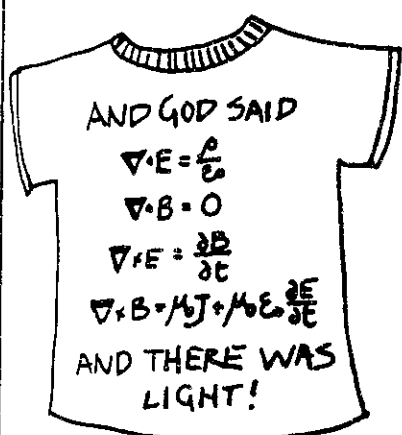
Tech photo by Bill Johnson

Head Coach Fran O'Brien gives the signal to hold up the runner sliding into third base during Saturday's game against Bates College. MIT won 8-7.

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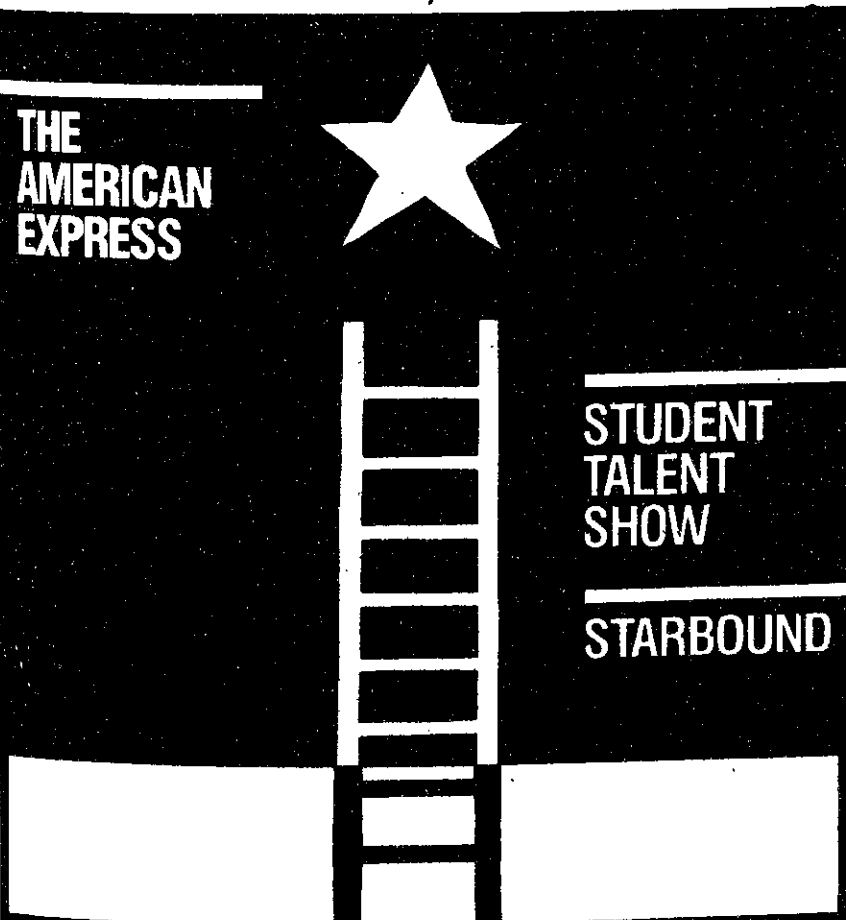
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sports

Errors, strong defense lead to softball victory

By Victor J. Diniak

The softball team combined strong defense and good pitching to defeat visiting Emmanuel College Thursday afternoon, 4-1. The victory boosts MIT's record to 3-11 on the season.

The Engineers opened the scoring in the bottom of the second without the benefit of a hit.

Catcher Pat Leach '86 went to first base after she was hit by a pitch. Marjorie Bump '87 advanced Leach with a bunt that was mishandled by Emmanuel's third baseman. Leach then scored on a passed ball.

The visitors retaliated in the third. With a runner on first, an Emmanuel batter hit a line drive to left field. The runner advanced to third, but a strong throw caught the batter trying to go to second.

A single to center brought the runner home and put Emmanuel on the board, 1-1.

Emmanuel threatened again in the fourth inning, as a single to left center and a walk put runners on first and second. Grace Saccardo '86 foiled an attempt to advance the runners, catching a line drive to left field.

A sacrifice and a walk loaded the bases with two outs, but shortstop Julie Brown '88 ended the threat when she stopped a grounder and made a strong throw to waiting first baseman Mary Cox '86.

The Engineers' offense followed the defense's lead in the bottom of the fourth. Leach opened the inning with a single up the middle. Cox's nearly perfect sacrifice bunt moved Leach to second.

Bump got a lucky break when Emmanuel's pitcher dropped an easy pop-up. Brown then walked to load the bases with one out. Designated hitter Niki Pentelias '88 walked, forcing in Leach and sending the Engineers into the lead, 2-1.

Emmanuel got another out when Stacy Thompson '86 popped to the shortstop. Co-captain Julie Chen '86, however, rocked a single to left-center, driving Bump home. Brown was thrown out at the plate to end the inning with the Engineers ahead to stay, 3-1.

Given the two-run lead, the Engineer's defense dug in and never looked back. Co-captain Louise Jandura G was in complete command on the mound, as she retired the next nine Emmanuel batters.

Left fielder Saccardo and right fielder Maria Kozloski '87 hauled in fly balls, while Jandura aided her own cause when she put a third batter out at first base for a scoreless top of the fifth.

Emmanuel could not get the ball out of the infield in the sixth. Shortstop Brown caught a pair of pop-ups, and Chen fielded a grounder and made the short throw from second to Cox at first base for another scoreless inning.

It was three up and three down once again for Emmanuel in the seventh and final inning. Bump put out the lead-off hitter at first. Kozloski caught a fly to right, and Thompson ended the game pulling in a fly ball to center.

The Engineers picked up an insurance run in the sixth inning to raise the final score to 4-1. Brown reached first on an error by Emmanuel's shortstop. Thompson doubled to center, advancing Brown to third. Brown then scored on another passed ball.

Fifth year head coach Jean Heiney was pleased with her squad's performance. "We played good defense and had good pitching," she said. "Emmanuel's

inexperience showed."

Heiney said her team "struggled in the beginning of the season," but she has high hopes that they will turn things around in the second half.

"We have a good start — we beat WPI and we played even better today," she added. "We have all the necessary elements to succeed: pitching, defense, and offense."

The squad hosted the Brandeis Judges in a doubleheader Saturday and will travel to Southeastern Massachusetts University today. The team will return home Thursday afternoon to face the Coast Guard Academy at 3pm.

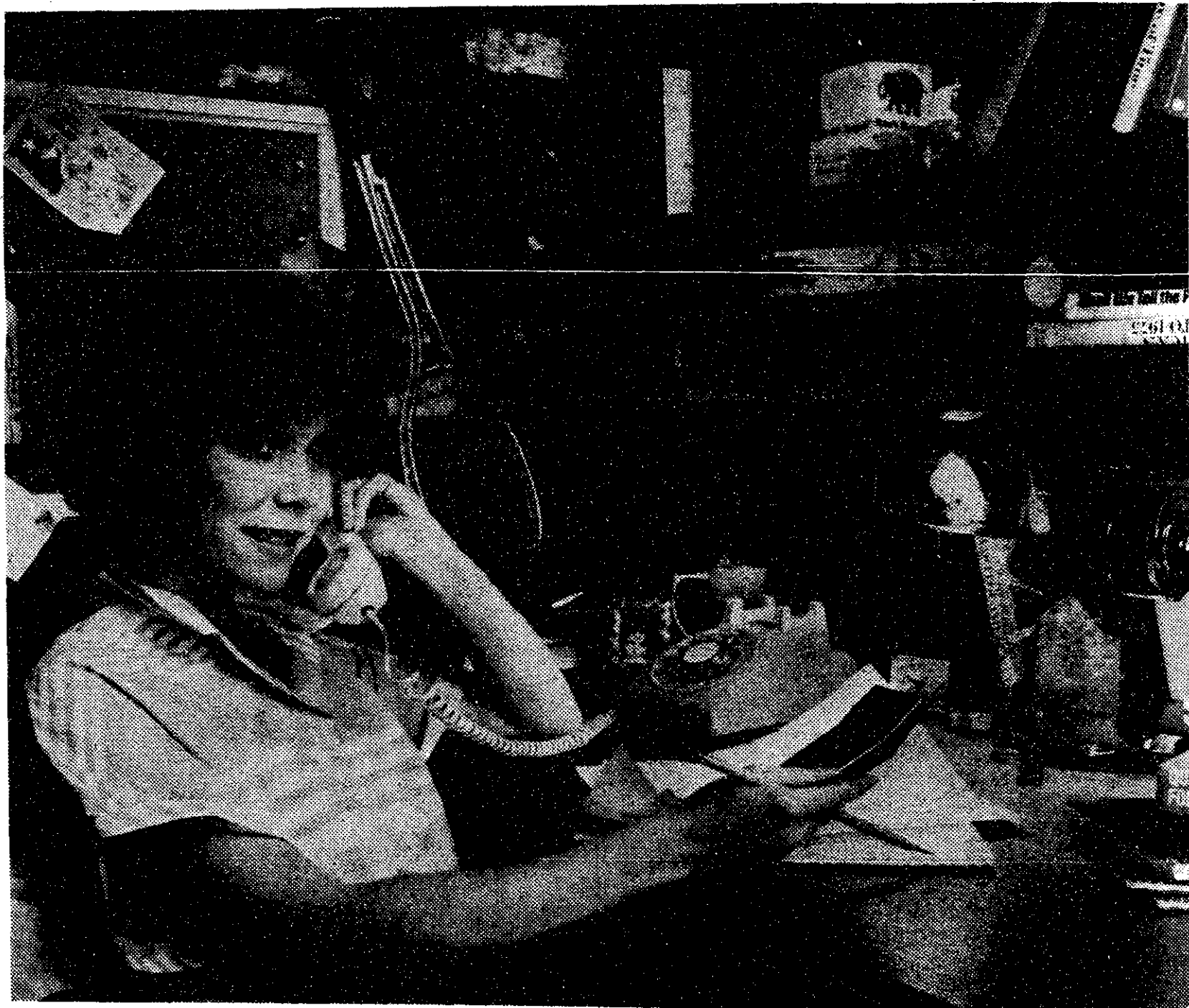
sporting notice

The Tech Wild Turkeys softball team will open its season against the rival *Harvard Crimson* Sunday. The game will be held at Harvard and is scheduled to begin at 11 am.



Tech photo by P. Paul Hsu

Pat Leachist slides into home plate to score in the fifth inning of the first game of a doubleheader against Brandeis. The softball team won 10-9.



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