

Faculty may amend proposal

By Annabelle Boyd

With the upcoming April 19 faculty vote on second-term freshman pass/no-credit grading, several faculty members have sponsored amendments to the Committee on the Undergraduate Program proposal.

The CUP proposal currently recommends that a student may, after the first semester, "elect to take one subject per semester, up to a total of seven subjects, on a pass/no record basis, where pass

denotes a C or better performance. The subjects taken on this basis may include two subjects in the Institute Science Core Requirement, two subjects in the Institute HASS [Humanities, Arts, and Social Science] Requirement, and one Departmental Requirement."

Twenty-one MIT faculty members are co-sponsoring two amendments that propose a more rigorous definition of pass/no-credit and a reduction in the

number of pass/no-credit subjects a student is allowed to take. Professors Marc A. Kastner and Robert J. Birgeneau are jointly proposing an amendment that provides freshmen with two different agendas for second-term pass/no-credit subjects.

One group of professors — including Harold Abelson PhD '73, Richard B. Adler '43, Michael E. McGerr, and John L. Wyatt Jr. '68 — are proposing two amendments to the CUP proposal. The first states that "Pass [should] denote C or better performance" for all subjects taken pass/no-credit. The present system and the CUP proposal allow a student to pass with a D during the first term of freshman year.

The other amendment proposed by these faculty members states that "after the first semester a student may elect to take up to a total of two subjects on a pass/no-credit basis, where Pass denotes C or better performance. Subjects taken on this basis may not include any Departmental

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MIT professor devises theory for "cold fusion"

By Linda D'Angelo

MIT has applied for patents in connection with a theoretical model of cold nuclear fusion proposed by Peter L. Hagelstein '76, an associate professor in the Department of Electrical Engineering and Computer Science. His theoretical work is based on experiments conducted at the University of Utah, Brigham Young University, Texas A&M University, and Georgia Institute of Technology.

Hagelstein has submitted four "papers describing a speculative theory on the new cold fusion," according to a prepared statement he released to the press. But aside from the fact that his theoretical model "involves both quantum, collective and coherent effects," Hagelstein refused further comment until his papers have been accepted.

Although Hagelstein's work is theoretical, and theory is not generally patented, the practical applications to which it could lead are patentable. MIT, like Hagelstein, refused to discuss the specific technology involved prior to the publication of the journal articles.

Hagelstein's theory is based on the claim by Utah researchers that they had achieved nuclear fusion in a table-top apparatus at room temperature. Fueled by an auto battery, this experiment contradicts the long-held assumption that nuclear fusion can occur only at temperatures approaching those at the interior of the sun.

Since verification of these results would have a revolutionary effect on the development of fusion as an alternative source of energy, a worldwide effort to reproduce the findings is now in progress. Researchers at Texas A&M and Georgia Tech reported partial duplication of the Utah results and physicists in Moscow have announced confirmation of

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thus becomes very important to MIT undergraduates, he said.

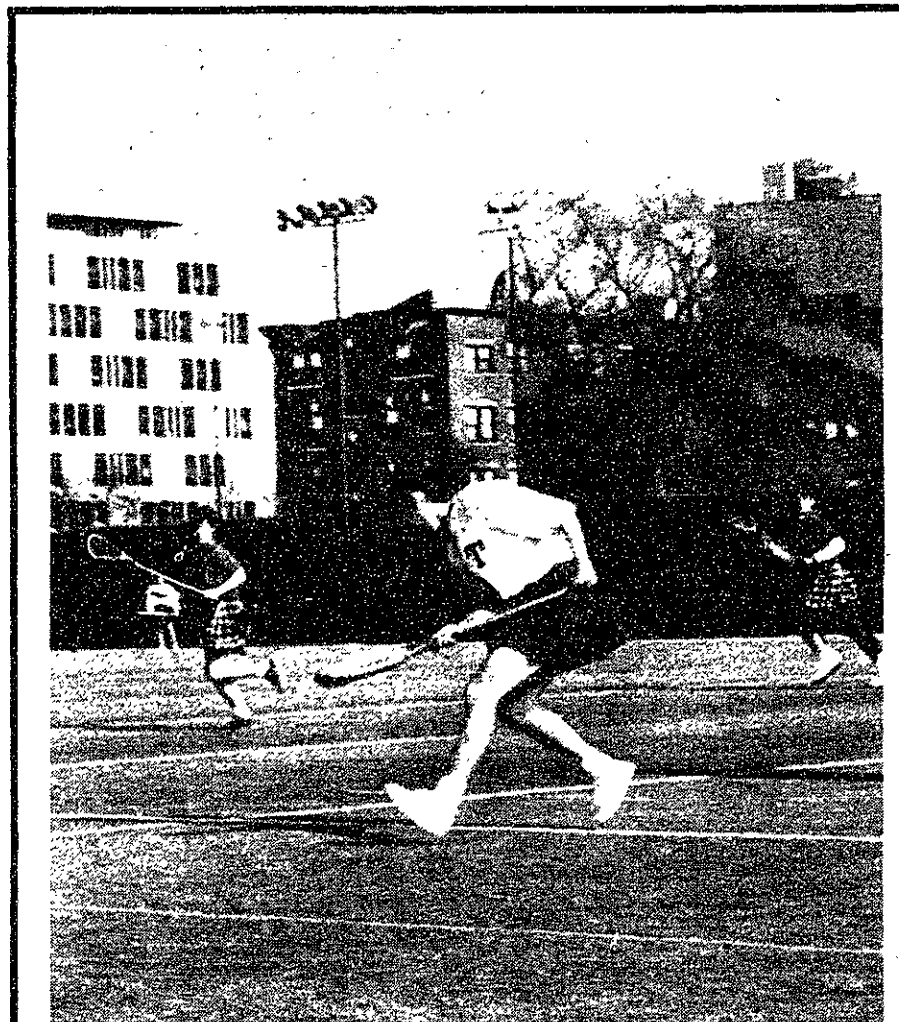
Wolfe's comments came as part of Wednesday's Institute colloquium on "How to be Different." Professor Tunney F. Lee, Professor William B. Siebert '46, and Wolfe were the principal speakers at the afternoon session of the colloquium, which was attended

By Irene C. Kuo and Niraj S. Desai

When they first come to MIT, students who had been "the hottest thing Abe Lincoln High had seen in 20 years," suddenly find themselves to be no longer special, said Associate Professor Jeremy M. Wolfe PhD '81. The need to differentiate themselves



Mike Niles/The Tech
Jeremy M. Wolfe PhD '81 at "How to be Different."



Kristine AuYeung/The Tech
Elaine Lo charges on offense during MIT's 8-3 loss to Babson yesterday afternoon.

Speakers present views on MIT environment

by more than 1000 people. Evening discussion sessions in 30 living groups followed the speeches in Kresge Auditorium.

Students too often judge themselves by how well they do academically versus other MIT students, Wolfe said. Such a test, however, typically labels about half of students as "below average," and gives previously first-rate students an unfounded insecurity about their academic talents. "There are very few bad students here — at least when they start," Wolfe noted.

Finding they cannot distinguish themselves through academics anymore, students often choose other ways in which to differentiate themselves, according to Wolfe. One way is by the way a student lives. An undergraduate fresh from high school is normally away from home and parents for the first time in his life, and may think that living his life in his own way makes him differ-

ent, Wolfe said. But this freedom is partly an illusion, he added, because students are subject to cultural and physical constraints — people cannot really play their stereotypes as loud as they want if they have roommates; people cannot stay up for an infinite amount of time.

Others at MIT try to distinguish themselves, according to Wolfe, through a macho attitude of "I can tool longer than you can tool," taking pride in doing six problem sets between 3 am and 4 am.

Such attempts can be self-defeating, Wolfe concluded. Rather it is important for MIT to abandon what he called the "fallacy of linearity" — the idea that adding two good things necessarily produces a good outcome. Under this fallacy, people assume that because MIT mixes good students with a good environment, a good thing must result. This fallacy

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Pro-choice draws diverse elements

Reporter's Notebook

By David P. Hamilton

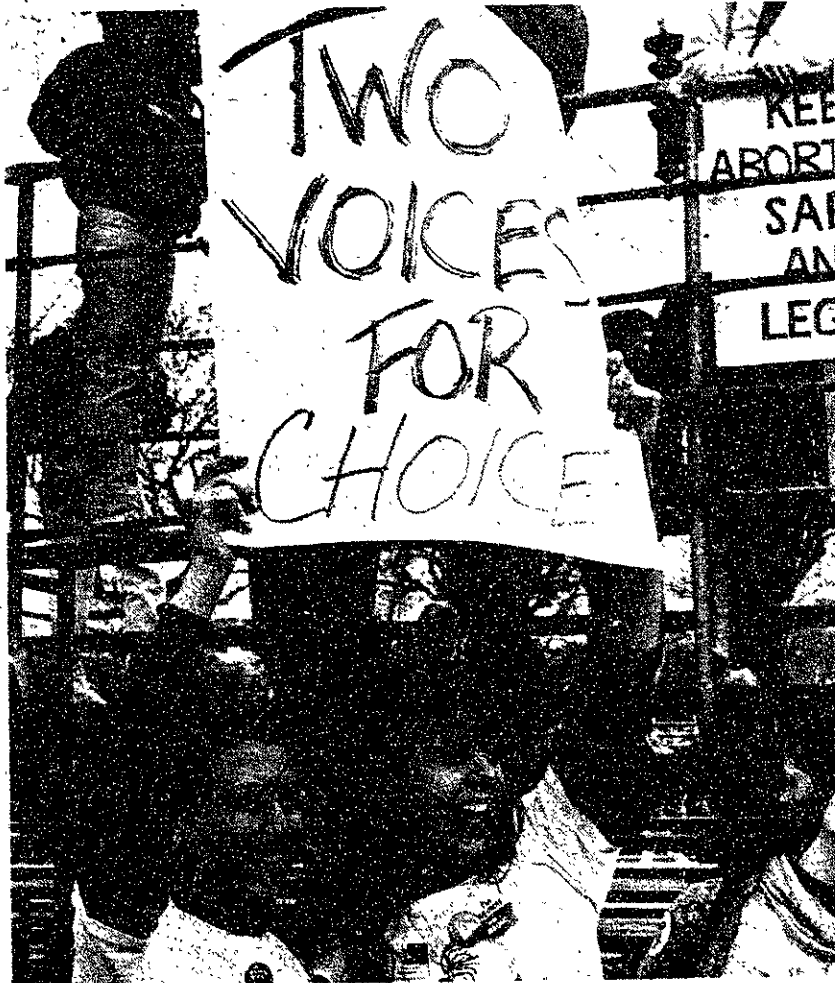
WASHINGTON, April 9 — Protests are famous for attracting all kinds of people, and when 300,000 people assemble, there's more than enough diversity to go around.

Today's march for women's rights has attracted elements from the entire spectrum of left-liberal causes: mainstream pro-choice advocates, members of the no-nukes peace movement, revolutionary Communists, gay and lesbian activists, Gray Panthers, civil libertarians, and feminists of all persuasions. A hodgepodge of what a conservative would label "the usual suspects."

But the marchers were more than a "buncha lefties," as columnist William Safire wrote in *The New York Times*. A clear and common purpose animates the entire assemblage, a purpose echoed in the marchers' signs and the chants of the crowd: "Keep Your Laws Off My Body," "Separate the church and state, women must decide their fate," or, more to the point, "Keep Abortion Legal."

Although the march was originally intended to draw attention back to the Equal Rights Amendment, the conservative dynamic of the Reagan years

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Trina D. Arnett
Andrea Leszek '91 and Michelle Bush '91 participate in the March on Washington For Women's Rights.

MIT sends 400 to pro-choice march

By David P. Hamilton

"It has been said of this generation that because many of our battles have already been fought for us, we don't appreciate what we have, we don't care. That is not what I believe, because that is not what I see.

"What I see here today are delegations from over 400 colleges and high schools, representing a generation that will not let its rights be rolled back, a generation that does care about the battles already won."

Those were the words of Elizabeth Ling '89 as she stood last Sunday on the steps of the US Capitol and addressed the March on Washington for Women's Rights. Ling was one of nearly 400 MIT students — more than a third of them men, by some estimates — who attended the rally, which was sponsored by the National Organization for Women.

Ling, who held a fall internship with the Boston chapter of NOW, said she was asked to address the rally in early March, several weeks after she held a local press conference in which she represented college students. She was the only student representative to speak for the estimated 500 universities and high schools that sent representatives to the march.

The march was one of the largest marches on Washington ever held, with over 300,000 people in

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Faculty may amend CUP proposal

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Requirements, or more than one Institute HASS requirement.”
The Kastner/Birgeneau amendment, like the first amendment, proposes that pass denote a grade of C or better for all subjects taken pass/no-credit. However, the Kastner/Birgeneau amendment also requests that second-term freshmen be able to choose between two pass/no-credit options. The first option is that which the CUP proposal presents. The second option reads, “In the second semester a student may take four subjects on a pass/no-credit basis, where Pass denotes C or better performance, with a maximum total load of 54 units. In subsequent semesters a student may elect to take one subject per semester, up to a total of three subjects, on a pass/no-credit basis, where Pass denotes a C or better. The subjects taken may include one Institute science core requirement, one subject in the Institute HASS Requirement, and one Departmental requirement.”
The Kastner/Birgeneau amendment also recommends that a student who “obtained the equivalent of a D grade in a subject taken on the pass/no-credit basis may have the D grade and the associated credit made part of the permanent record through petition at the end of the semester in

which the subject is taken.”
There is “a lot of confusion about the CUP proposal among the faculty, and it’s not clear where the whole faculty stands,” according to Bernard J. Frieden MCP ’57, chairman of the faculty. “We will try to deal with the CUP items at the meeting. There will probably be additional amendments from the floor, but hopefully all will come clear next Wednesday,” he added.
Frieden said that though there has been much discussion among faculty privately, there has been no faculty forum on the issue, except for the Committee on the Undergraduate Program.
Many faculty members “think that pass/no-credit should be reduced even further than the CUP proposal outlines,” according to Professor William T. Peake ’46 of the Department of Electrical Engineering and Computer Science.
Peake, one of the supporters of the amendment that would reduce the number of pass/no-credit subjects a student could take from seven to two, said “giving students the seven terms of pass/no-credit allows them to play this game of picking subjects to put a P on a transcript instead of an A, B, C or D.” Peake said that the premium on playing this game of “clever picker versus the unclever picker” — the havoc it

could wreak on a student’s education — is “too high.”
Though Peake acknowledged a large range of faculty opinions on the pass/no-credit issue, he was “optimistic” about faculty passage of the amendment.
The main motivation behind the Kastner/Birgeneau amendment was to offer greater flexibility to students, according to Kastner. “Some students will still be in shock after their first semester at MIT and will need another term on pass/no-credit to complete their adjustment.”
He acknowledged, however, “MIT students in general are very competitive. They want grades, and to know how they are doing with respect to the rest of the class.”
There is a “general feeling among the faculty that second term pass/no-credit is not doing what it was intended to do, and that it needs to be changed,” according to Kastner.
And, while Kastner agreed with “the bulk of the CUP recommendations,” he felt that it was important “to curtail overloading,” while still offering the option of second term pass/no-credit “to those who need it.”

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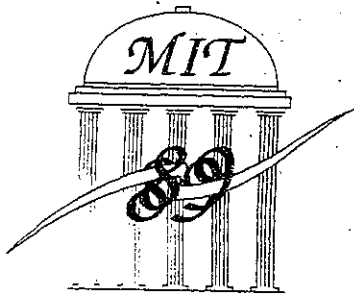
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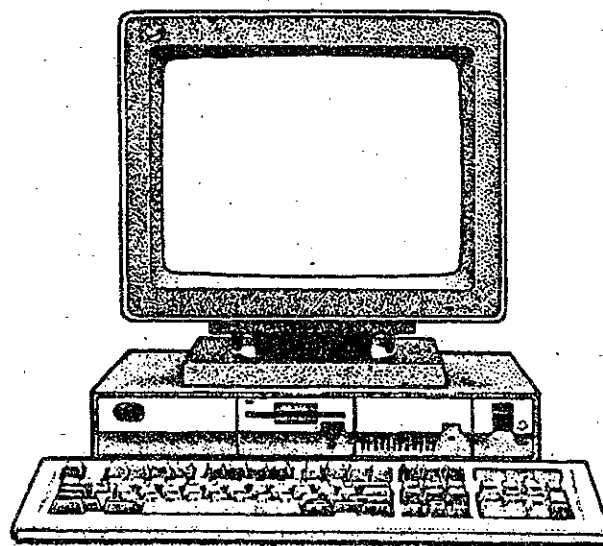
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news roundup

from the associated press wire

Nation

House approves non-lethal aid to *contras*

By a vote of 309 to 110, the House voted yesterday to approve a package of non-lethal aid for the Nicaraguan *contras*. The \$50 million plan would give the *contras* food, clothing and medical assistance to keep them going through next February. The action represents a bid to declare a truce in the long-running feud between the White House and Congress over aid to the *contras*.

North trial draws to a close

The Iran-*contra* trial is nearing an end. Federal Judge Gerhard Gesell said he hopes to have closing arguments on Monday. Oliver North wrapped up six days on the witness stand yesterday. He testified that he knew he was the fall guy for the Reagan Administration in the Iran-*contra* affair.

Also, US Sen. John F. Kerry (D-MA) said Iran-*contra* counsel Lawrence Walsh is investigating allegations Reagan Administration officials obstructed a Senate investigation into links between the Nicaraguan *contras* and drug traffickers. Walsh's office declined to comment.

Effort made to change Bush minimum wage stance

A public relations effort is being mounted to get President Bush to change his mind about how much to raise the minimum wage. Both the House and Senate want a figure of \$4.55 — 30 cents more than Bush has been willing to accept. AFL-CIO President Lane Kirkland warned that a veto would only make things worse for the nation's lowest-paid workers.

Abbie Hoffman autopsy planned

An autopsy is planned in New Hope, PA, to determine the cause of death of Abbie Hoffman. The 1960s radical was found dead in bed by a neighbor Wednesday night. The neighbor told police Hoffman had been depressed about an auto accident in which he suffered a broken leg last June. But police said there is no evidence to suggest suicide.

Ueberroth's deal for Eastern still alive

The head of Eastern Airlines' striking Machinists Union said he does not believe that former baseball commissioner Peter Ueberroth is out of the bargaining to buy the financially troubled airline. Ueberroth said the \$464 million deal is dead, but union leader Charles Bryan said Ueberroth has previously said it's over — and then come back. The bankruptcy judge who is overseeing Eastern's reorganization under protection from creditors now is looking for other possible buyers. Yesterday the president of American Airlines said he is interested in purchasing Eastern.

Body of 13th cult victim found

A thirteenth body has been found at the ranch where a drug-smuggling cult allegedly killed people for human sacrifice. Meanwhile, authorities in the United States and Mexico are looking for the alleged leader of the voodoo ring that's accused of the revenge and sacrifice murders of the 13 people. A Miami TV station says the police have been alerted that the man may be headed for that city.

Seas break up oil spill

Aerial surveys showed that significantly less oil was visible along Alaska's mid-coast as rough seas continue to break up much of the oil spilled in the crash of the Exxon tanker *Valdez*, Coast Guards reported yesterday. Although the slick hadn't advanced much in the last three days, officials said that until all the oil is broken up and swept away weather changes could still throw crude ashore.

Local

Anti-abortion group sued

Brookline town officials filed suit against Operation Rescue yesterday in connection with a series of anti-abortion protests. The officials claimed in a federal suit filed in Boston that the abortion protesters are trying to hold the town for ransom through repeated blockages of women's clinics. The federal racketeering suit stemmed from protests in November, January, and March which town officials said cost the town up to \$75,000.

Sports

Clemens pitches 1000th strikeout

Roger Clemens became the fourth Red Sox pitcher to record more than 1000 career strikeouts, while allowing only three hits in a 9-1 decision over the Cleveland Indians yesterday at Fenway Park. Boston third baseman Wade Boggs had three hits and three RBI's, Marty Barrett had three doubles, and Dwight Evans homered while Smithson picked up the save for his work in the final two innings.

Rose linked to Massachusetts bookie

Two published reports yesterday said a bank check from Cincinnati Reds manager Pete Rose to a man later convicted of bookmaking was reportedly found during a 1984 gambling raid in Bristol County, MA. The bookie was identified as Joseph Cambria of Somerset. *The Boston Herald* and the *Providence Journal-Bulletin* quoted unidentified sources that Rose bet with the man, and Bristol County district attorney Ronald Pina was quoted as saying that Rose had given his 1975 World Series Championship ring to an individual in Somerset as payment for a gambling debt. Pina did not identify the person. The *Journal-Bulletin* also said the alleged bookmaker had stayed with the Reds at a Florida hotel during spring training and received the team rate. A spokesman told the *Herald* that Pina has agreed to turn over evidence on betting to the baseball commissioner's office. Cambria refused to discuss how he and Rose met.

Boxing great Robinson dies

Boxing great Sugar Ray Robinson died of heart disease Wednesday night at the age of 67. An autopsy report from the Los Angeles County Coroner's Office said he also suffered from Alzheimer's disease and diabetes. His record as a prizefighter included 110 career knockouts.

World

Student may have unknowingly carried Pan Am bomb

A Bush Administration official disputed a CBS report that a Lebanese-American college student may have unwittingly carried the bomb that blew up Pan Am flight 103 over Scotland in December. The official said Khalid Jaafar is suspected of being one of several passengers who might have been duped into taking the explosive on board. Jaafar was returning to Michigan from a holiday trip. The tragedy killed 270 people in the plane and on the ground.

Israeli troops kill five in West Bank raid

At least five Arabs are reported killed and dozens wounded after Israeli troops stormed into a West Bank village yesterday. The search-and-arrest raid triggered one of the bloodiest clashes in the 16-month Palestinian uprising in the occupied territories.

Baker reaffirms PLO talks

Secretary of State James A. Baker III has reaffirmed the United States' intention to continue a dialogue with the Palestine Liberation Organization. Baker told a Senate subcommittee he is satisfied that the PLO supports Israel's right to exist and has renounced terrorism in all forms.

Weather

April dours

This time of year is an emotional low point for meteorologists and weather nuts in Boston. The prospect for a major snowstorm is all but gone and thunderstorm season has not come into view yet. That leaves us in the doldrums, where the occasional sea breeze is enough cause for excitement. (The weather is not even warm yet!)

In that tradition, our weather during the next 2-3 days will be influenced by the passage of a weak frontal disturbance. This will result in a gloomy day for Saturday, but on Sunday we should see improving weather conditions.

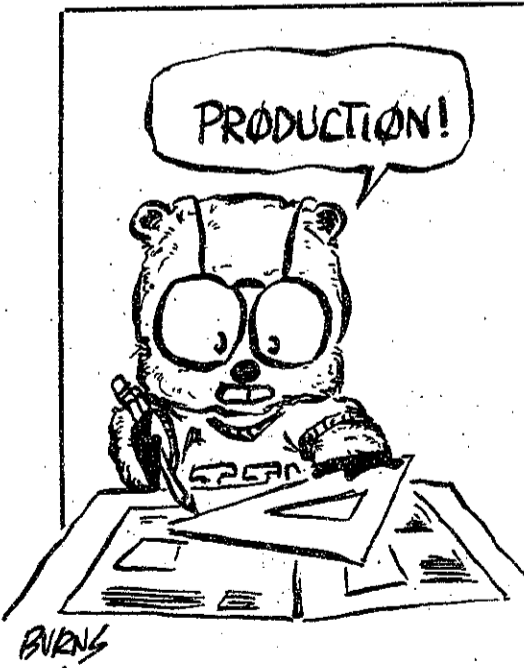
Today: Skies will be mostly sunny and there is a chance of an afternoon sea breeze. High temperatures will be 50-55°F (10-13°C).

Tonight: Continued fair skies with southwesterly winds developing at 10-15 mph (16-24 km/h). Low temperatures will be near 40°F (4°C).

Saturday: Increasing clouds with rain showers likely. Highs near 60°F (16°C).

Sunday: Clearing skies. Highs 55-60°F (13-16°C).
Forecast by Robert Black

Compiled by Josh Hartmann and Prabhat Mehta



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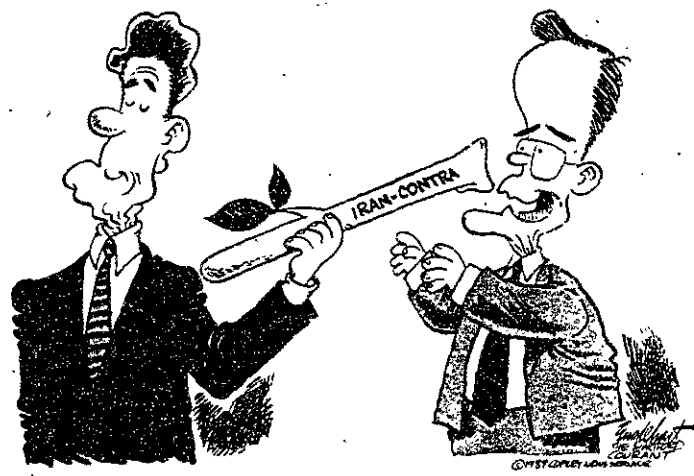
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The Tech

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LETTERS TO THE EDITOR

Sound off on pass/fail before faculty meeting

We, like many of you, attended the wonderful colloquium on Wednesday entitled "How to be Different." When three students asked questions regarding why the faculty hasn't looked inward when addressing certain problems including the current status of freshman pass/no record, we too applauded enthusiastically. Here, we the undergraduates, demonstrated, more powerfully than ever before, that we feel the current freshman pass/no record system in both terms is an important part of the learning process for an MIT undergraduate. We showed that it is important to us, and that we do not feel ample

justification has been given for taking it away.

Unfortunately however, not all faculty members understand our concerns. Despite all our efforts throughout the past 12 months (including many departmental discussions, a vote strongly in favor of our position, and many meetings amongst ourselves to make sure we truly represented student opinions), some faculty members still feel that we are unaware of what is in our best interests and that we are not serious about this issue.

We have done almost all we can do. We will continue to fight with logic and reasoning right up

until the faculty vote on this issue at their next meeting on Wednesday, April 19, but we need your help. The Undergraduate Association cannot be a powerful body without the support of the student population. We urge all students to make their views known to the faculty before their meeting. The time is now. The need is urgent.

Paul L. Antico '91
Undergraduate Association
 President
 Andrew P. Strehle '91
UA Vice President
 William F. McGrath '89
Faculty Policy Committee
 Representative

Tech coverage is biased towards men's sports

We are a group of women athletes at MIT representing four intercollegiate teams: crew, softball, rugby, and lacrosse. We believe many members of the MIT community share our interest in women's athletics.

In following *The Tech's* coverage of sports at MIT, we have noted a strong bias towards men's athletics. While no issues of *The Tech* have extensive or even equal coverage of women's athletics, some issues make no mention of them at all.

Examination of two recent issues of *The Tech* illustrates our point. On April 7 there was an article about women's softball which was written by a former member of the softball team. There was no other coverage of women's athletics. Does a women's team need to have a representative on *The Tech* to receive coverage? Is that good enough? It may not be. Recently, a member of the women's crew team wrote an article on their race against University of Rhode Island, Connecticut College, and State University of New York-Albany. Although the article was submitted before the deadline, it did not appear in *The Tech*. Granted, space in *The Tech* is limited. Nevertheless, we believe that a women's event should be covered for every men's event that is covered.

The uninformed reader may argue that there are not as many women's events to cover. It is certainly not the reader's fault that he/she is unaware of the variety and quantity of women's events that occur in a given week, because *The Tech* does not tell him/her about them. For example, the April 7 issue of *The Tech* failed to mention the women's lacrosse or the women's rugby games that were scheduled for

Saturday in its list of Upcoming Home Events. The rugby game was not included in the listing despite the fact that the captain of the rugby team called *The Tech* to inform them of it. These two sports are routinely overlooked in the Upcoming Home Events. Why do these oversights occur?

Perhaps *The Tech* justifies it by saying that they do not have the time or space to cover club sports. If this is the case, then there should have been no coverage of the pre-varsity football team. Of course, as it was shown in the example above regarding the crew team, the problem is not with club sports versus varsity sports, but rather with men's sports versus women's sports.

We suggest that future issues of *The Tech* devote less space to photos of men's athletics (the last two issues had a total of five pictures of baseball and four pictures of men's lacrosse, but no pictures of any women's sports) so that they can include articles and photos of women's athletics. Of course the first step is to send reporters to cover the women's events.

The female athletes at MIT are as committed to their sports as their male counterparts. Win or lose, this devotion deserves the same recognition that men's teams receive.

Elizabeth Turtle '89
Women's Crew
 Paula Ferguson '90
Women's Crew
 Michelle Duso '91
Softball
 Lori Hart '90
Women's Rugby
 Allie Bereny '90
Women's Lacrosse

(Editor's note: The events featured in the Upcoming Home Events box are limited to varsity sports which are included in the official MIT schedule released by the Sports Information Office. Women's lacrosse and women's rugby are club sports.)

The crew article mentioned in the letter was received before deadline and should have been printed. Due to confusion with another crew article which ran in the same issue, the story on the women's crew race was overlooked.)

More at issue than life of fetus

A statement in your article on the recent Pro-Life rally ["MIT Pro-Lifers rally on eve of march", April 11] needs great clarification, otherwise people have good reason to be upset.

When I stated, "We do not support the ERA [Equal Rights Amendment]," I meant that the Pro-Life stance is not to support the amendment without clarifying language to make it neutral on abortion. Both pro-life and pro-abortion lawyers agree that the ERA, in its present form, would be interpreted by the Supreme Court as encompassing abortion rights. Motions in

Congress to add abortion-neutral clauses have been rejected.

We reject the ERA in its present form, without an abortion-neutral clause.

My other very serious concern is the article's claim that *Roe v. Wade* "legalized abortion in the first trimester." This statement is incomplete to the point of being simply false. The decision prohibits abortion restrictions at any stage of pregnancy where the mother's "health" is concerned. But footnote 54 of the decision leaves the legal definition of "health" so broad that any excuse at all can be interpreted as a health justification. Babies are routinely aborted for economic reasons, or simply because they are not of the desired gender. Thousands of abortions are legally performed for these reasons in the second and third trimester. So abortion on demand for any reason during all nine months of pregnancy was in reality granted by *Roe v. Wade*. This point must be made very clear.

Chris B. Papineau '90
Assistant Vice President,
MIT Pro-Life

ERA must be abortion-neutral

I would like to comment on your recent article about a Pro-Life rally ["MIT Pro-Lifers rally on eve of march," April 11]. In this article, Kelly Jefferson was quoted as saying, "We're fighting the movement that's lying to women. . . . Women are being deceived [because] abortion is a lie. . . . When they tell you that [an unborn child] is not a person, they're lying to you."

I would like to point out to the community that the reproductive rights movement is not built upon the one belief that the fetus is not a life, therefore abortion is permissible. For example, I believe in the freedom of choice and that the unborn is a life. I do not want to ever have to have an abortion — no woman does. However, I also do not support the patriarchal nature of the society in which we live; a society in which women are subordinated and controlled collectively by

men. Nor do I support any form of sexism, rape, incest, or harmful and fallible birth control — issues which affect both women and men. I am not in favor of the negative economic repercussions women suffer for being mothers. I am not content knowing that there is no guarantee that all unwanted children will be adopted. It is for all of these reasons I support the right to choice.

Jessica M. Marcus '89

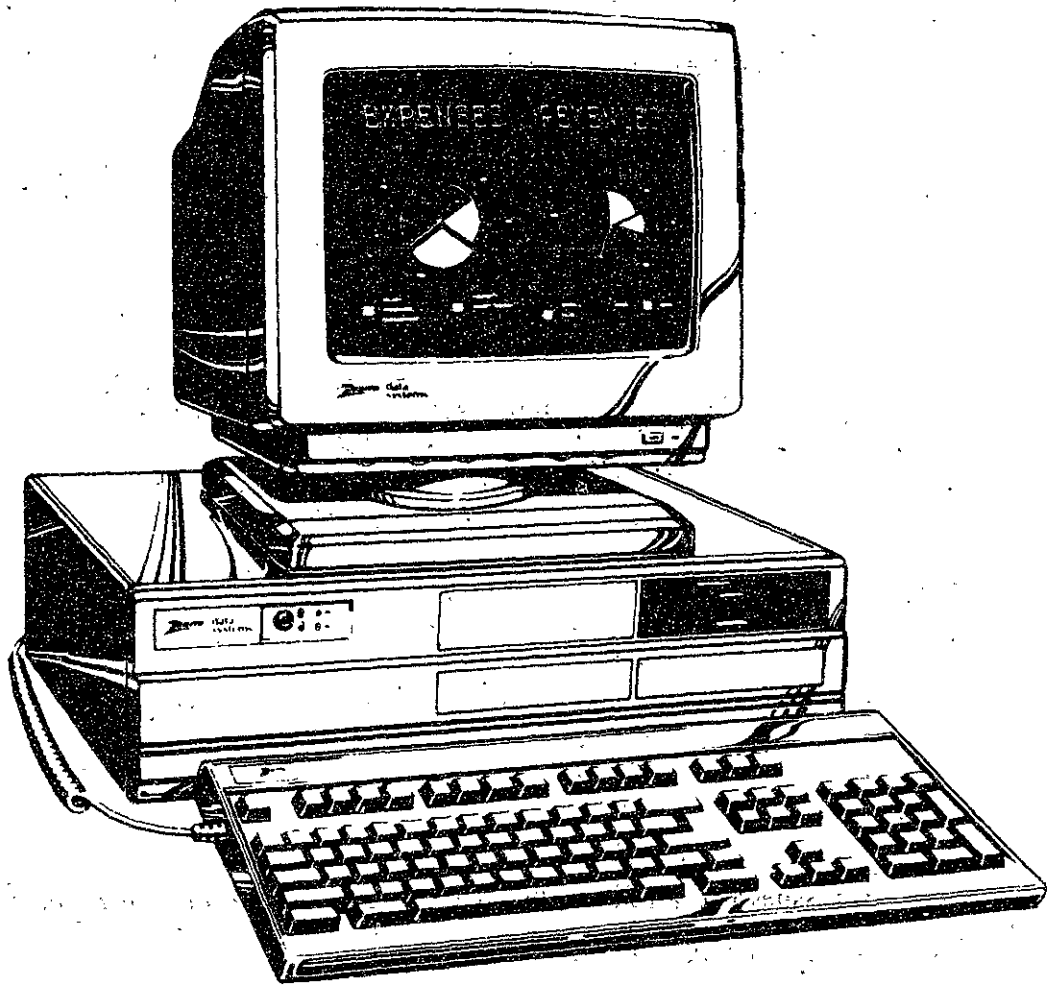
Letters policy

The Tech welcomes letters from its readers. All letters are subject to editing and are published solely at the editors' discretion. Authors must sign their letters and include their phone number, and MIT affiliation, if any, for verification, and should type letters double-spaced for ease of reading. Letters should be kept under 500 words. *The Tech* publishes letters anonymously only in rare circumstances, at the editors' discretion. Bring letters to *The Tech's* office on the fourth floor of the MIT Student Center or send them to: Letters to the Editor, *The Tech*, P.O. Box 29, MIT Branch, Cambridge, MA 02139, or to Room W20-425.



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Documentarist allows subject's violence to taint his work

YUKI YUKITE SHINGUN
(THE EMPEROR'S NAKED ARMY MARCHES ON)

Directed and photographed
by Kazuo Hara.

Based on an idea by Shohei Imamura.
Plays tonight, 7:30 pm only,
at the Museum of Fine Arts.

By MANAVENDRA K. THAKUR

Here is a film which simply explodes the hallowed *cinéma-verté* tradition governing the last three decades of documentary film. In fact, *Yuki Yukite Shingun* ("The Emperor's Naked Army Marches On") plays like a cross between the lurid sensationalism of *Mondo New York* and the high-minded search for truth of *Hotel Terminus*.

"As long as I live, I'll use violence — if it brings good to mankind." So says the subject of the documentary, Kenzo Okuzaki, an elderly Japanese man who dips into his World War II experience to offer moving testimonials against the war. At the same time, Okuzaki wants to assassinate Emperor Hirohito (who died of natural causes after this film was completed) for leading the Japanese into World War II in the first place. Another one of Okuzaki's moral crusades is an investigation into the suspicious death of two obscure soldiers immediately following the end of the war. Okuzaki persistently grills his subjects in the best Ted Koppel tradition — and then proceeds to beat the hell out of them if they don't answer to his satisfaction. Okuzaki and his cinematic collaborators proceed with such determination that they simply shatter any basis for rational argument on whether the ends justify the means.

It is Okuzaki's almost schizophrenic ability to switch from coaxing to bullying that makes him such a paradoxical figure. "God chose you from thousands. So if you don't tell [your story], it's not right" he softly tells one reluctant interviewee. "I beat him because he didn't treat me politely" he says about another. "Please pardon my violence" he says to a third. By the end of the film, he does get to the bottom of what happened to those unfortunate soldiers — including unraveling reports of

cannibalism. The trail of his investigation, however, is littered with the uprooted pillars of civilization.

Okuzaki, of course, cares little about the debris. Indeed, Okuzaki's touching concern for the common man is matched only by his brutal hatred for the Emperor. While Okuzaki regrets killing a real estate broker in 1956, he has no qualms about shooting lead pellets at the Emperor in 1969 and distributing pornographic images of him. His favorite warning to hesitant interviewees is a shouted reminder that "I've shot at the Emperor!" Needless to say, this threat has staggering implications in a culture that once worshiped the Emperor as a god and still considers any criticism of the Emperor as taboo.

As if Okuzaki's radical departure from "civilized" behavior weren't enough, director-cinematographer Kazuo Hara gleefully collaborates with Okuzaki in breaking just about every rule of documentary filmmaking there is. When Okuzaki begins pummeling his former army comrades, for example, Hara happily films the whole incident without stopping to consider the ethical ramifications.

It is also difficult to decide how real or staged Okuzaki's encounters are. In one touching scene, for example, Okuzaki walks alongside a murdered soldier's sister, consoling her and supporting her arm with his own. At the same time a microphone conspicuously dangles from his tie. That Hara so brazenly clips a microphone to Okuzaki's tie shows how little consideration Hara gave to the whole issue of not influencing the events he was recording. Granted, the microphone's influence in this particular example is probably minor, but the unabashed presence of the camera over five turbulent years must have had at least some influence on Okuzaki.

Given all these shenanigans, it comes as no surprise that Hara studied with Shohei Imamura. Imamura once said that he wanted to make "really messy, human films," but Hara may have surpassed his mentor with this nihilist documentary. That is, ultimately, the main reason why it is so fascinating to watch this film: its trek to the brink of self-destruction is as cheerful as it is inexorable. Reckless and provocative, *Yuki Yukite Shingun* is unlike anything yet seen in the world of documentary filmmaking.

The Tech Performing Arts Series presents...

PRO ARTE CHAMBER ORCHESTRA

A limited number of seats have been made available for the Pro Arte Chamber Orchestra's world premiere of David Hoffman's "Out of the Blue." Acclaimed violinist Arturo Delmonico will conduct the orchestra in a program which also includes works by Bach and Schubert. Soprano Nancy Armstrong will be featured in Bach's "Wedding" Cantata.

Sanders Theater, Cambridge, April 26 at 8 pm. MIT price: \$6.

OPERA COMPANY OF BOSTON

Last minute report on opening night (April 13) of *Der Rosenkavalier*, by Jonathan Richmond (full review next issue): The singing of Gwyneth Jones as the Marschallin and Jeanne Ommerie as Sophie is ravishing; the buffoonery of William Wildermann as Baron Ochs is hilarious; the staging by Lisi Oliver touches the deeper moments as well as the comic; the orchestra's performance of Strauss's sublime music under William Fred Scott is sumptuous. And if you have a student ID you can attend the remaining performances of the Opera Company of Boston's *Der Rosenkavalier* for only \$15. Tickets will be available at the Opera House door, one hour before curtain, not at TCA.

Opera House, Washington St., Boston, April 16 & 23 at 8 pm. Student ID required: \$15. Tickets for Pro Arte are on sale at the Technology Community Association, W20-450 in the Student Center (Opera tickets at the Opera House only). TCA offices are open only limited hours. Office hours are posted on the door; alternatively, you can call x3-4885 before walking over.

The Tech Performing Arts Series, a service for the entire MIT community, from The Tech, MIT's student newspaper, in conjunction with the Technology Community Association, MIT's student community service organization.



Photo courtesy Cross Products

The newly formed Christian a capella singing group *The Cross Products* will give their premiere concert on Saturday at 7:30 pm in 10-250; *With One Voice*, from Brown University, will be their guests.

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ARTS

Jazz Ensemble's Notre Dame success promises to come again

MIT FESTIVAL JAZZ ENSEMBLE

Directed by Jamshied Sharifi.

Works by Sharifi, Arimasa, and Williams.

Part of the Notre Dame Collegiate Jazz Festival, South Bend, IN, April 7-9.

By ALI AZAR

THE MIT FESTIVAL JAZZ ENSEMBLE, directed by Jamshied Sharifi '83, attended the 31st Annual Collegiate Jazz Festival at the University of Notre Dame last weekend. The Notre Dame CJF is the premier event of its kind and attracts the finest college groups in the country. MIT was one of eight big bands along with six smaller combos selected to perform at the festival.

As Dave Ricks '83 soloed in the heated spotlight at Notre Dame's Stepan Center with the black and red clad FJE rhythm and horns behind him, an enchanting mist could be seen emerging from his bell over the dancing lyricism of his flugelhorn phrases. After the smoke cleared, Ricks walked away with recognition as outstanding trumpet soloist of the two-day festival, and the MIT band returned home Sunday night with a few new fans and encouraging reviews from the various adjudicators.

This year, the MITFJE was selected to close out the Friday night slate of bands. The 10:30 pm set opened with the lively "Playhouse," written by Sharifi last spring, which featured Dan Hosken '90 on guitar and Ricks on flugelhorn. Sharifi's funky "Long Words, Excellent Words" followed with Mike Herman G featured on vibes. Forrest Buzan G soloed on tenor saxophone and Ricks covered on flugelhorn the usual alto saxophone part since lead alto player Susan Ward '92 was ill and could not attend the festival. She was replaced on very short notice by Hemanshu Lakhani '89.

The FJE continued with "Brumel is Back" by Berklee student Yuki Arimasa, a work funded by the MIT Council for the

Arts and written for the band this year. Peter Andrews '89 soloed on baritone saxophone; Ricks soloed on trumpet. Sharifi's ballad "Turn" relaxed the tempo of the set with Buzan up front on soprano sax. The up-tempo finale, James Williams' "Stretchin'," arranged by Greg Hopkins, spotlighted the entire trombone section and also showed off Mike Valdez '90 on piano, Ricks on trumpet, Buzan on tenor sax, and Kevin Peterson '88 on bass. The

audience that packed Stepan Center to listen to the popular South Bend festival responded to the performance with a hearty ovation and complements to the band on its unique style of music and thrilling performance.

The MITFJE received mixed reviews from the judges, who praised the technical proficiency and solo work of the players but sometimes criticized the music selection.

Although he admitted to having "a soft spot for this band" because he had attended MIT and played often with former FJE leader Herb Pomeroy, judge Chuck Israels was probably the biggest critic of the band, calling one chart "music for weightlessness" and interpreting another as having "trendy formlessness." Judge Frank Wess also commented that some of the charts were "really not jazz-oriented," but others found this to be a virtue.

Perennial adjudicator Dan Morgenstern expressed his continuing fondness for the band's style when he noted that it is "as usual, a pleasure to hear some music that's not predictable." "Tonight Show" drummer Ed Shaughnessy concurred, saying that "Sharifi's writing is original and fresh." Most of the judges also commented favorably on the ensemble playing of the band and gave the band good marks in the categories of musicianship, ensemble, rhythm feel, soloists, and effect.

Recent East Coast appearances by the FJE at the Tufts and Boston University Jazz Festivals have established the band as a Boston area favorite with audiences and jazz professionals. "Tonight Show" tenor saxophonist Ernie Watts and trumpeter and former FJE leader Herb Pomeroy gave the band high praise at the Boston University festival this year and selected the FJE as one of two festival winners. This earned them the opportunity to share the evening spotlight at the February festival with Watts and the BU Jazz Band.

The band will close out the season on May 5 with their last home performance of the school year in the MIT Spring Jazz Festival to be held in Kresge Auditorium. The show will include sets by the MIT Concert Jazz Band, the Festival Jazz Ensemble, and guest bands. The FJE set of the concert promises to be an emotional and energetic reprise of its Notre Dame material and premieres of new material written this year for the band.

(Editor's note: Ali Azar G is a member of the MIT Festival Jazz Ensemble.)



Computer Scientists, Watch Out!

Apple and Lotus are trying to create a new form of legal monopoly: a copyright on a class of user interfaces. These monopolies would cause serious problems for users and developers of computer software and systems.

Until two years ago, the law seemed clear: no one could restrict others from using a user interface; programmers were free to implement any interface they chose. Imitating interfaces, sometimes with changes, was standard practice in the computer field. The interfaces we know evolved gradually in this way; for example, the Macintosh user interface was developed over fifteen years at Stanford, SRI, Xerox and other places. Hundreds of students and researchers contributed to this effort, and no one has a right to own it all now.

Most computer companies, and nearly all computer users, are happy with this state of affairs. Lotus and Apple say it does not offer "enough incentive" to develop their products, but they must have considered it "enough" when they made their decision to do so. It seems they are not satisfied with the opportunity to continue to compete in the marketplace—not even with a head start.

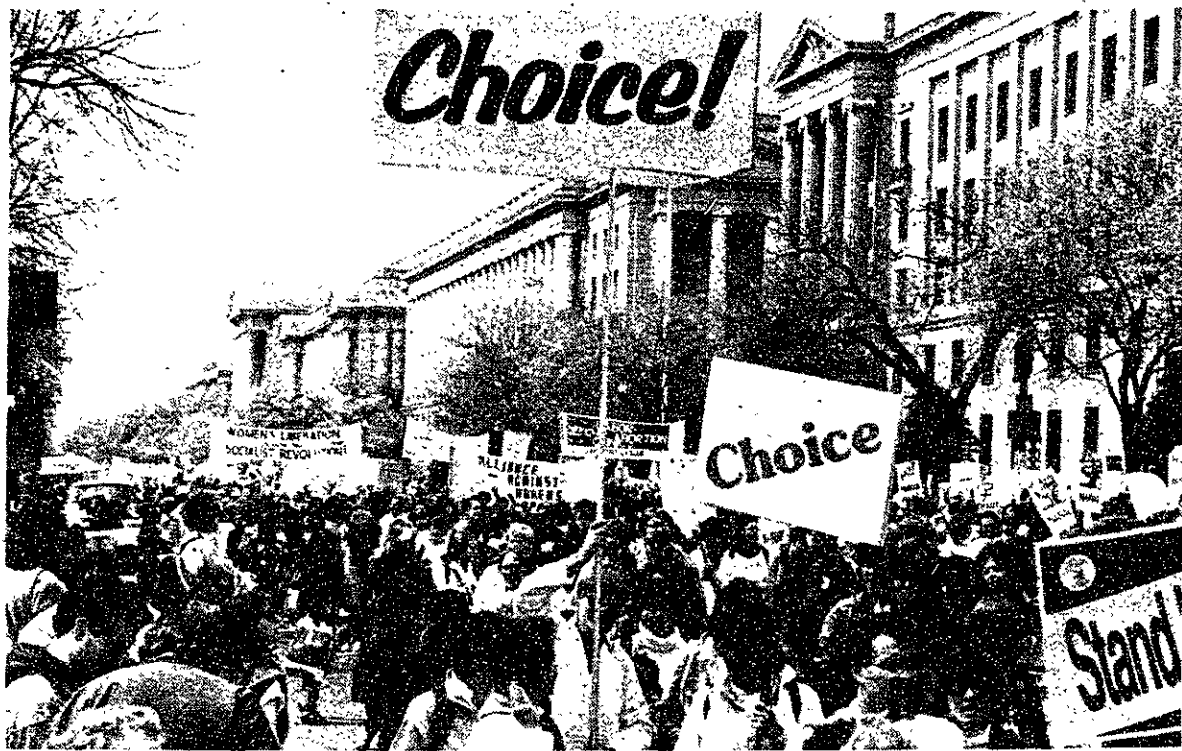
If Lotus and Apple are permitted to make law through the courts, the precedent will hobble the software industry:

- Gratuitous incompatibilities will burden users. Imagine if each car manufacturer had to arrange the pedals in a different order.
- Software will become and remain more expensive. Users will be "locked in" to proprietary interfaces, for which there is no real competition.
- Large companies have an unfair advantage wherever lawsuits become commonplace. Since they can easily afford to sue, they can intimidate small companies with threats even when they don't really have a case.
- User interface improvements will come slower, since incremental evolution through creative imitation will no longer be permitted.
- Even Apple and Lotus will find it harder to make improvements if they can no longer adapt the good ideas that others introduce, for fear of weakening their own legal positions. Some users suggest that this stagnation may already have started.

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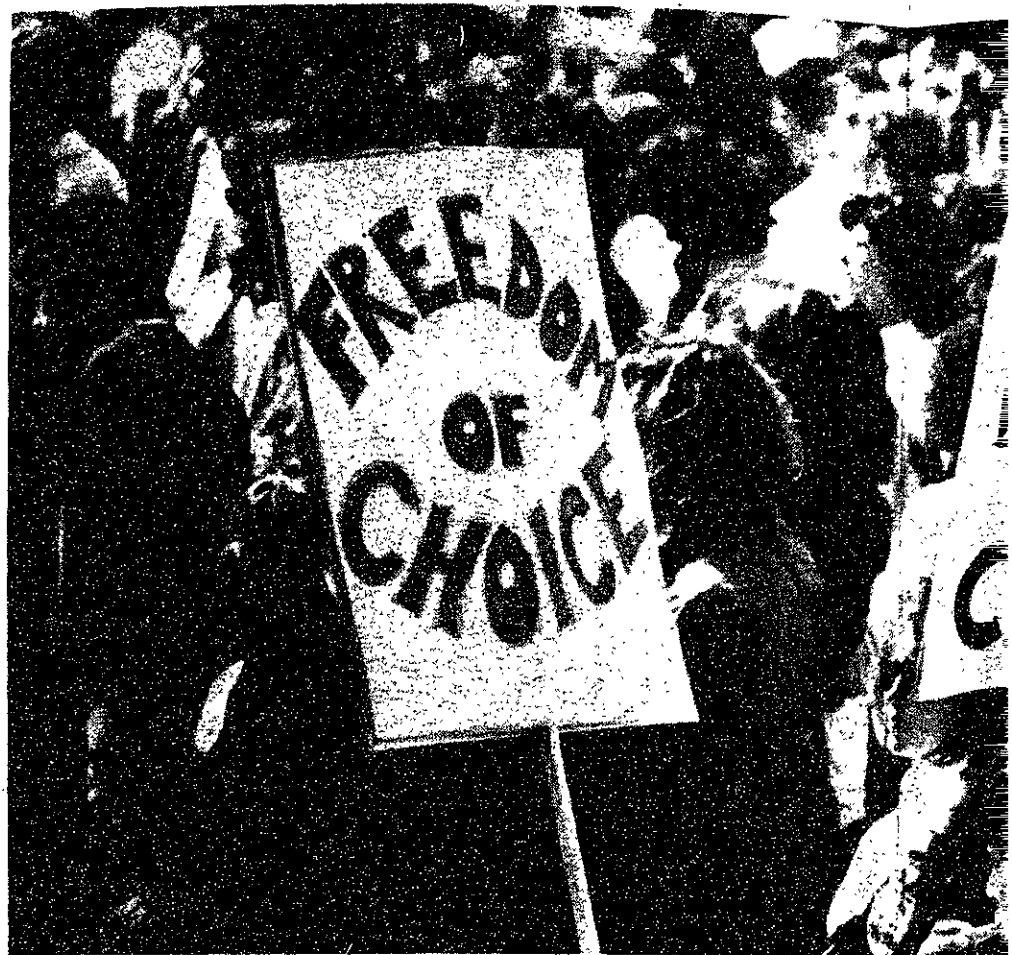
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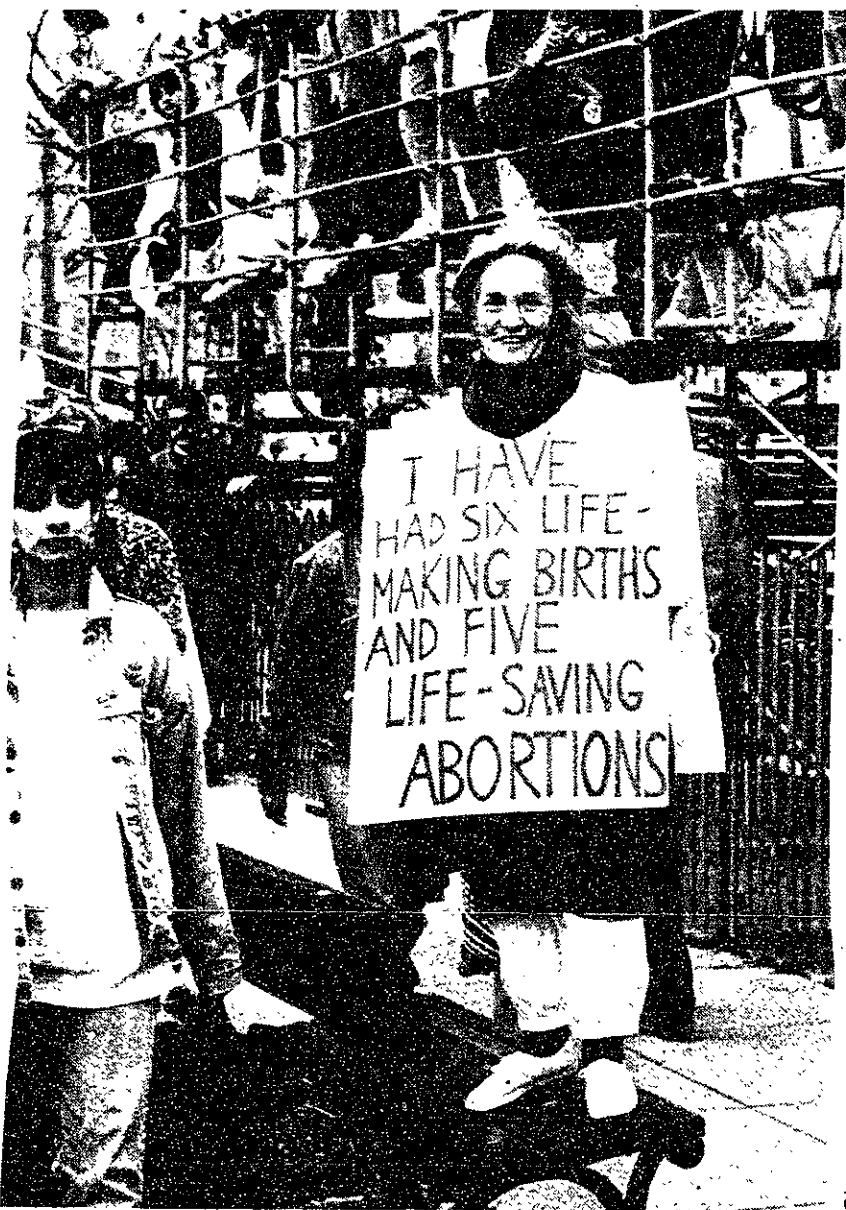
Stand

Simson L. Garfinkel

As the march proceeds down Constitution Avenue . . .



"M.I.T. Nerds for Choice" — a common chant on the march route



Simson L. Garfinkel

Pro-choice support shown at the pre-march rally at the Washington Monument.



David P. Hamilton/The Tech

Rally for Women's Equality held on the Capitol lawn at the end of the march.



MIT students band together

MIT sends 400 to DC march

(Continued from page 1)

attendance, according to US Park Police estimates. NOW speakers estimated the crowd at 600,000.

Marchers assembled at the Washington Monument and proceeded down Constitution Avenue to the Capitol, where a series of speakers, including Ling, addressed the assembled crowd.

The march was originally planned around the theme of the Equal Rights Amendment, but the rise of the anti-abortion group Operation Rescue, combined with a nearing Supreme Court case that may restrict or overturn its 1973 decision legalizing abortion, led the NOW organizers to shift the its focus to abortion rights.

"The recent past has seen a rise in the anti-abortionists in terms of how loud they are, rather than their actual strength," said Rebecca Kaplan '92, member of the Association of Women Students, which organized the MIT contingent.

AWS Coordinator Michelle Bush '91 added, "We had to show our strength and our numbers."

"Clearly, it's significant that we had ten times the people as the anti-abortions did," Bush continued. She referred to an anti-abortion rally held in Washington in late January, which was estimated at 65,000 people.

"I think the march reaffirmed America's commitment to legal, safe abortion," Bush said.

AWS, a feminist group revived in January in re-

sponse to news of the march, arranged transportation for five busloads of MIT students who traveled with a Boston NOW bus caravan. Bush said that about 200 other MIT students rode in private cars or took airline shuttles to Washington for the march.

AWS was also able to subsidize nearly fifty students who found it difficult to pay for the \$40 bus tickets, Bush said. Money for the subsidies came from sales of T-shirts and contributions from three academic departments, faculty and administration members, and organizations such as the Association of MIT Alumnae, the Graduate Student Council, and the Undergraduate Association.

"We found ourselves really surprised by the support we received," Jessica Marcus '89, another AWS coordinator, said.

"People kept calling up and we had no room for them," Bush added.

Bush said she first heard of the planning for the march last December while a member of the Women's Rap Group, a precursor of AWS.

After attending a NOW meeting for college mobilization, Bush and other rap group members petitioned the UA Finance Board for funding and restarted AWS in January. Immediately thereafter, AWS began preparations for the march, which included posterizing, organizing transportation, and designing a T-shirt for sale.



March on Washington drew people of all ages.

Reporter's Notebook

March's strength is diversity

(Continued from page 1)

— which has been uniformly hostile to almost every goal of the women's movement — has threatened a woman's right to an abortion most clearly. No longer does the landmark 1973 Supreme Court decision legalizing abortion, *Roe v. Wade*, stand unchallenged; perceptions of a conservative majority on the Court and eight (going on nine) years of anti-abortion rhetoric from the White House have shaken the confidence with which women viewed their earlier judicial victory.

"It's very frightening, having Bush in the White House," said a Boston College woman. "He's so anti-choice."

To the pro-choice movement, George Bush is as great an evil as Ronald Reagan, if not greater. His campaign pledge to select judges who "support the right to life," as he put it, and his support for the re-criminalization of abortion are seen as all the more dangerous because of his election now, at the peak of the nation's rightward drift.

And the Justice Department's recent decision — made with Bush's full support — to file a brief with the Court recommending the overturn of *Roe* in an upcoming case merely confirms the movement's worst fears.

There is "no doubt" that the march is aimed at influencing the Supreme Court, according to MIT activist and Association of Women Students coordinator Michelle Bush '91. "Judges are human, too. The Supreme Court is not unaffected by public opinion."

In fact, the intent to influence the Court could hardly be clearer, since the next step in the abortion fight is in the Court's hands. The route for the march originally led down Pennsylvania Avenue past both the White House and the Supreme Court, but has been changed — at the last minute, according to some — to lead down Constitution Avenue instead, several blocks from both institutions. No one knows the reasons for the change; some speculate that the crowd's size necessitated the more direct route from the Washington Monument to the Capitol, while others darkly suggest that the march permit has been changed to frustrate the aim of the protest, however slightly.

Regardless of the route's details, however, this much is clear: Americans have turned out in record numbers to make their voices heard. From as far away as Alaska, contingents have traveled by car, by bus, and by plane to join what may be the largest march on Washington in history.

How to describe the size of the crowd? Three hundred thousand people is just too many to imagine all at once: the mind substitutes "many" and leaves it at that. In person, however, the task is easier, although the numbers are still overwhelming. From a quarter mile away, the Washington Monument (which some feminists refer to as "the nation's phallic symbol") overshadows but cannot dominate the thousands of protesters rallying beneath it. Like a glorious human tapestry, the crowd hugs the gentle slope around the monument and spreads into the Oval, spilling into the streets on every side.

A closer perspective reverses the picture. The crowd is no longer distant and serene, but noisy, boisterous, anxious to begin. The panoramic dance of tiny motes against a picture postcard background has broken up into an almost oppressive mass of living, breathing individuals who wave signs, dig their toes in the ground, search for other members of their delegation, or just mill about, taking pictures and listening to Peter, Paul and Mary.

Although a good portion of the crowd is too young to have participated directly in the civil rights marches of the 1960s, older protesters here are quick to draw the parallel. Being a part of the crowd is a heady feeling. It's as if a curtain veiling the past has been drawn aside, allowing those present to experience the unity of purpose that must have suffused the freedom marches led by Martin Luther King Jr. There's an undeniable sense of community unusual in its intensity, especially considering the fear and isolation that large crowds usually inspire.



Simson L. Garfinkel



Georgina A. Maldonado

er to march for women's equality.



Georgina A. Maldonado

Supporters gathered opposite the Capitol for the post-march rally.

The anti-abortion protesters first appear as the march moves onto Constitution Avenue. They are a mere handful, less than 200 by most news estimates. At several locations, chanting wars break out, the anti-abortionists calling out "Shame, shame" while the marchers chant another slogan. Nearer the Capitol, several men appear carrying grotesque oversized photographs of aborted fetuses, lettered with the message, "Abortion is Murder." They are matched in graphic detail, if not in sheer bloodiness, by a small number of marchers with photographs of women sprawled naked on the floor, bloody cloths between their legs — the victims of botched abortions. These posters read, "Have You Forgotten?" or "Never Again."

Two observations about the marchers are particularly striking. The first is the number of men present; between 20 and 25 percent of the marching crowd is male. (Conversely, among the anti-abortion protesters, nearly three-quarters are male.) One woman says, "I'm really, really pleased that so many men came. It's given me a new respect for men in the women's movement." Most of the men seem to be accompanying wives or girlfriends — none will admit coming to the march alone or with male friends.

The second observation concerns the predominance of blue and white stickers reading, "Catholics for a Free Choice." CFC turns out to be a full-fledged organization, and two CFC members selected at random describe themselves as "lapsed Catholics" who feel Catholicism is unnecessarily restrictive. "Take Jews, for instance," one says. "If you're Jewish, you can be liberal, Conservative, or Orthodox. If you're Catholic, it's an either/or proposition."

The third CFC member is a jackpot of sorts. Mary Hunt, a self-described Catholic theologian, is a board member of CFC. She cites polls in which a majority of Catholics support legal abortion (although with moral qualms about the procedure) and argues that respect for individual conscience has long been a part of Catholic doctrine. Although her position runs squarely against church doctrine, Hunt says that many committed and respectful Catholics find they must disagree with Rome. "It's a question of the church's authority, which is not universal and rather narrow," she says.

At the Capitol, the marchers pile forward onto the lawn before the ornate dome, seating themselves on the damp ground as the public address system carries the words of Sen. Barbara Mikulski (D-MD) across the greensward. A succession of other notables appear at the podium, including Rep. Patricia Schroeder (D-CO), Whoopi Goldberg, Judy Collins (who leads the audience in singing *Amazing Grace*), and a series of actresses, including Morgan Fairchild and Cybill Shepard. All are forthrightly supportive of the march, eliciting applause time and again with lines such as, "We shall never return to the days of back-alley abortions!"

By far the most attention-getting speaker, however, is Jesse Jackson, who appears at the podium with his wife and declares, "This march is about freedom, and no one must take that freedom away." Jackson goes on to borrow from Abraham Lincoln, thundering, "This nation cannot long remain half-slave and half-free!" Launching into a lengthy conceit using the three-fifths compromise in the Constitution, which counted each black as equivalent to three-fifths of a white man for census purposes, Jackson demands "five-fifths of humanity for women." Women make three-fifths of what men do, but they cannot buy bread any more cheaply, cannot educate their children more cheaply, and cannot buy a house more cheaply, he proclaims.

The crowd could care less about his mixed metaphors. By the end of his first sentence none in the audience is seated anymore, and when he concludes, the cheers and applause roar as if they will never stop.

Once Jackson has finished speaking, everyday conventions begin to reassert themselves. Despite two more hours of scheduled speakers, people begin to pick themselves off the ground and drift off in small groups, succumbing to the fatigue of marching and travel. The Washington subway is packed tightly, with lines extending several hundred feet out of the station.

The protesters are tired but satisfied, convinced they've accomplished what they set out to do. Several are impressed that Jackson attended the rally, although one woman derides his appearance as a "campaign speech."

Susan, a woman from Pittsburgh, feels the march has affected both its targets and its participants. "I think it lets them know we're in the majority on this issue," she said. She drew further optimism from the fact that nearly 200 Department of Justice lawyers had recently signed a petition arguing that *Roe* should not be overturned. "I hope Bush will see it's not a presidential issue and will leave it alone," she said.

Others are not so confident, although they remain hopeful. Tiya, a Harvard freshman, might speak for that great middle ground when she recalls the size of the march, asking, "How could they ignore it?" How, indeed.

Speakers offer views on MIT life

(Continued from page 1)

lacy, Wolfe said, has led some to conclude that, because not all students are happy with their MIT experiences, something might be wrong with the type of students that are admitted.

Rather than thinking there is something wrong with students, people at the Institute should not try to rank students by illegitimate standards, Wolfe said.

Lee: MIT must celebrate people's differences

"Why is being the same so bad?" asked Lee, who is active in the Chinese-American community. He pointed out unlike American culture, which attributes negative qualities to sameness, Asian cultures do not regard sameness as being necessarily bad. The Japanese have a saying that "the nail that sticks out gets hammered in," he noted.

Being different from others simply for the sake of being different is not really important. Rather, it is important for people to recognize the ways that makes people different, and to celebrate those differences, according to Lee.

MIT has one of the most diverse student bodies of any university or college in the nation, with a vast representation in terms of nationality, race, and cultural background, Lee said.

And there are faculty and staff working in a large number of different fields. Being at MIT, a varied community of talented people, affords one a significant opportunity to meet and learn about people different from oneself.

People should feel "privileged to be different in the way we are different," Lee said.

Lee, who is housemaster at East Campus dormitory, argued that MIT's living group system in its present form encourages people to learn about others. Much of what students learn at MIT does not come from classrooms, but by living with other people, some of whom are very different from themselves, in dormitories and fraternities, Lee said.

But the administration may not understand "what is happening in the living groups," Lee feared. In particular, he criticized a suggestion that freshmen be housed separately from other undergraduates as a way to increase "school spirit."

"Giving to your dormitory doesn't mean that you take away from your school," he said. "It is a mistake to think that 'bonding' [comes in] a finite amount."

Siebert: founder's vision of MIT is outdated

Siebert, professor of electrical engineering and computer sci-

ence, said that the goals of a four-year balanced "science-based-practical-knowledge-plus-general cultivation" entry-level-engineering education that MIT founder William Barton Rogers envisioned 128 years ago, may "no longer be realistic," in the face of expanding technological knowledge and growing realization of the importance of topics like modern biology and physics, management and economics, law and government, safety and the environment.

Siebert proposed two ways that entry-level professional engineering programs of longer duration might be organized: One idea might be to extend current undergraduate programs from four to five or six years. This program would provide a balanced education for entry-level engineering professionals and would be highly structured. He added that the need for "substantial structure" in a professional curriculum tended to make engineering faculty more concerned about mechanisms that "appear to undermine structure," than faculty in non-professional programs.

At the same time, Siebert said he realized that implementation of such structure would be difficult, especially since one-third to one-half of MIT's undergraduates are not in professional programs. (Please turn to page 11)

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Colloquium focuses on life at MIT

(Continued from page 10)

grams (i.e. are not engineering students). He attributed some problems in educational reform to this "fundamental professional/non-professional conflict."

An alternative engineering program, which Siebert favors, might consist of stressing liberal arts in the undergraduate program, leaving "practical knowledge" for a highly structured professional engineering school at the graduate level. An MIT of this sort might offer a mix of science, technology, arts, and humanities "better matched to the needs of modern societies than the often medieval emphasis of the typical Ivy-League college," he said. However, he raised the problem of gathering support from present engineering faculties, "who have been selected on other criteria."

Siebert concluded that it would take skill to redefine goals, energy to create new programs for the future, and courage to introduce programs that may differ radically from those offered now and on which MIT has built its "considerable reputation."

Outpouring of student grievances after speeches

During the question-and-answer period, admissions counselor Robert Weinerman '87 asked why MIT was "giving up on the pioneering spirit" that developed freshman pass/no-credit grading and a Residence/Orientation Week during which students choose their living groups. He asserted that MIT should consider such developments as experiments, not as failures, and asked, "Why are things that are attractive to 18- to 22-year-olds coming under attack from 40- to 50-year-olds?"

Another student contended that he had been misled by application brochures that portrayed MIT as wanting well-rounded students. "They changed the students without changing the school," he said angrily. He added that his advisor had even asked him why he was at MIT since he was not going to become an engineer.

Wolfe sympathized with the student, referring to the brochures as examples of false advertising. "MIT's mistake was that it failed to follow through on an obligation to students" not interested in the "monolithic" route.

"MIT doesn't make it easy," he acknowledged, "but if you push the system, you can do fine."

Siebert agreed that he had seen

brochures that did not stress science or engineering at all, but said that MIT's mistake lay in trying to attract such students in the first place.

A third student complained about his advisor's incompetence and lack of sensitivity. Wolfe replied that a first-ranked research university inevitably hired professors whose primary or even secondary interest was not teaching.



Professor William B. Siebert '46

Mike Niles/The Tech

MIT applies for fusion patents

(Continued from page 1)

the original findings, but as of yet, no institution has detailed conclusive experimental evidence.

Provost John M. Deutch '61, in a press statement, said he recognized the "enormous consequences" of this phenomenon, and was "pleased to see Professor Hagelstein proposing an explanation." He encouraged "investigators both here and at other research institutions to continue their work."

After receiving three degrees in electrical engineering and computer science from MIT, Hagelstein worked at Lawrence Livermore Laboratory in California and contributed to the theory of the original X-ray laser.

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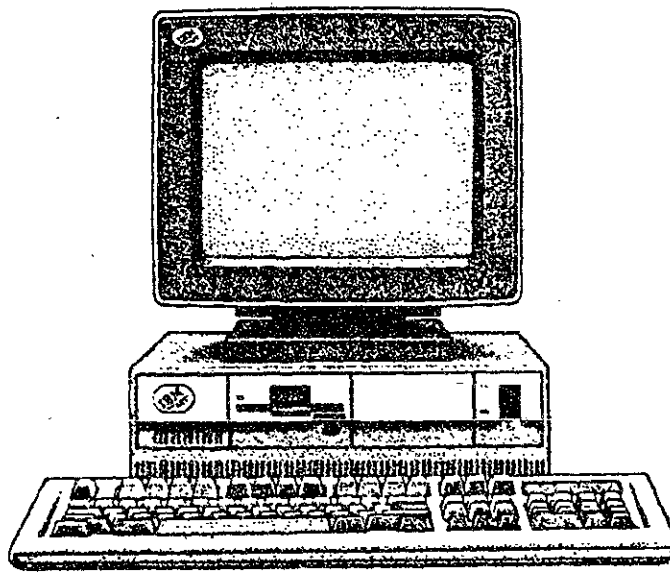
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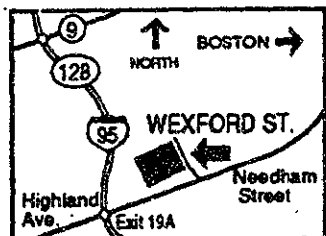
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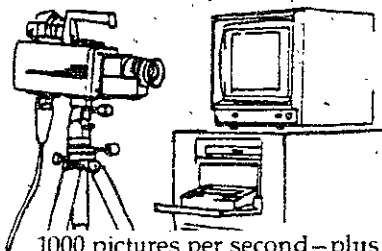
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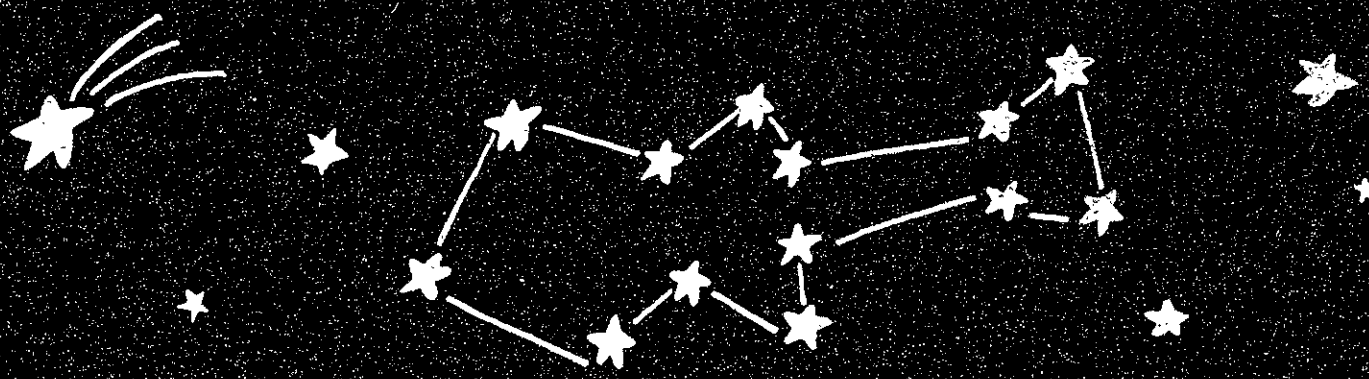
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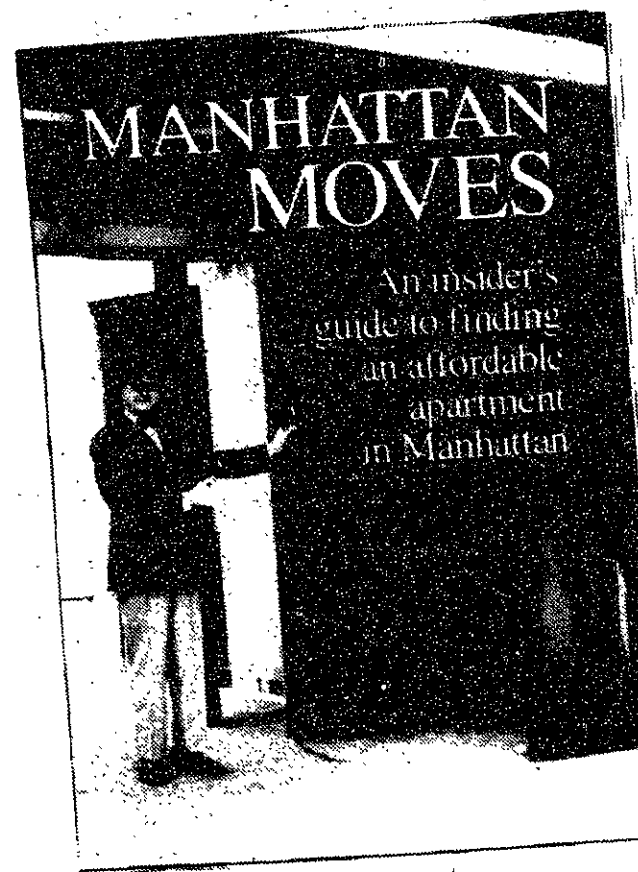
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sports

MIT boosts record to 3-1 with Emmanuel win

(Continued from page 16)

scored in turn on an opposite-field double hit just fair by Showna Chang '92, MIT's only extra-base hit for the day.

The Engineers scored two insurance runs in the bottom of the sixth, initiated by a single up the middle from catcher Michelle Duso '91. After Duso stole second and centerfielder Teri Lowenstein '89 got on with a walk, Johnson followed with a single to second. When the Emmanuel second basemen booted the ball into the outfield, both runners scored. The two runs brought the score to 7-3 in MIT's favor.

In the top of the seventh, MIT's lefty Johnson caused the first two Emmanuel batters to ground out before giving up a long triple to catcher Kristin Powers. Powers was left stranded at third when the next batter fled

out to Ragucci at first base, ending the game.

Engineers Coach Jean Heiney remarked after the game on how much improved the Emmanuel team was over last year's version. "We tried to take advantage of the opponent's mistakes," she said, admitting that "they hit the ball farther, and we have to start hitting better."

Coach Heiney was optimistic about her team's chances for the rest of the season, proudly concluding, "Basically, we're awesome."

The Engineers' next home game is a doubleheader against Brandeis tomorrow. The Judges are "a strong conference rival," Heiney said, and MIT will "need one of our best efforts to win." Pitcher Lynn Albers '92 has a joint injury, and may be unavailable to play the second game. Johnson will start the first game.

MIT cycling has good showing at two races

(Continued from page 16)

playing ultimate frisbee and Eng has bronchitis. "We have backups for all the other positions," Altman said, but if setter Charles Lee '89 is hurt, "one of the other players would have to set."

Softball splits games

The softball team lost to Mount Holyoke 6-4 on Monday, but bounced back to beat Worcester Polytechnic Institute on Tuesday, 6-3. Coach Jean

Heiney blamed the loss on "missed opportunities. We left too many runners on base."

The WPI game was in doubt until the bottom of the third, when Lisa Johnson '92 came in as pitcher and pitched 4 $\frac{2}{3}$ perfect innings to close out the game. Pitching has been a strength of the MIT team, Heiney said. "We have never had two pitchers the quality of these two pitchers [Johnson and Lynn Albers '92]."

Compiled by Michael J. Garrison

By Andrew Parsons

The cycling team has had two strong showings in its first two attempts to race on the intercollegiate bicycle racing circuit.

The team made their debut at the "April Fool's" road race held at Pennsylvania State University. Eddie Hernandez '90, Charles Oppenheimer G, and Andy Parsons '91 represented MIT at the race. All three rode strongly through the hilly 20-mile course, often leading the pack through the potentially treacherous route.

At the final sprint for the finish, Hernandez took a strong third place, while Oppenheimer received a respectable eighth. Parsons, in second place with one-half mile left in the race, experienced a mechanical problem and was forced to leave the race.

Last weekend, a group of five cycling club riders raced in the Tufts Criterium (lap race) held in Newton. This course produced another strong finish for Hernandez (fourth place), while Parsons placed seventh. Good finishes were also turned in by Oppenheimer (eighth) and Terry Totemeier '91 (15th). Ken Zemack '91, the lone MIT rider in Division C, also had a strong race.

(Editor's note: Andrew Parsons is a member of the cycling club.)

Blau named to All-American Pistol Team

The competition in air pistol was quite intense, with no clear winner until the last few scores had been posted. Only 18 points separated the first-place team from the fifth. MIT shot a 2162 to place second, five points behind the Naval Academy.

Blau shot a 559 to place second individually. Machlis, although shooting with a borrowed gun after his own malfunctioned at the start of the course, managed to shoot his average, a 538. Decanio and Chong shot 533 and 532 to place 23rd and 24th respectively. Hoshino, despite being sick, beat her previous match high with a 480 to place eighth in the women's individual competition.

In standard pistol, the entire team shot below their averages to place seventh. Decanio shot a 524 to place 19th individually.

(Matt Machlis '89 is a co-manager of the varsity pistol team.)

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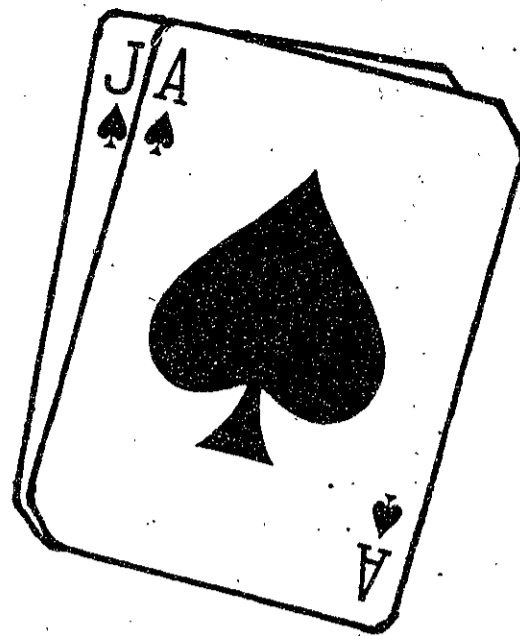
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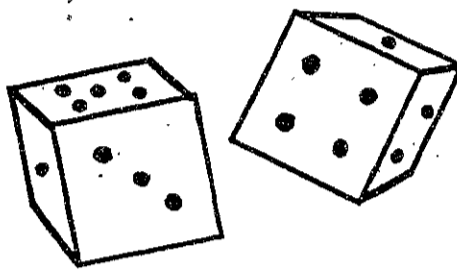
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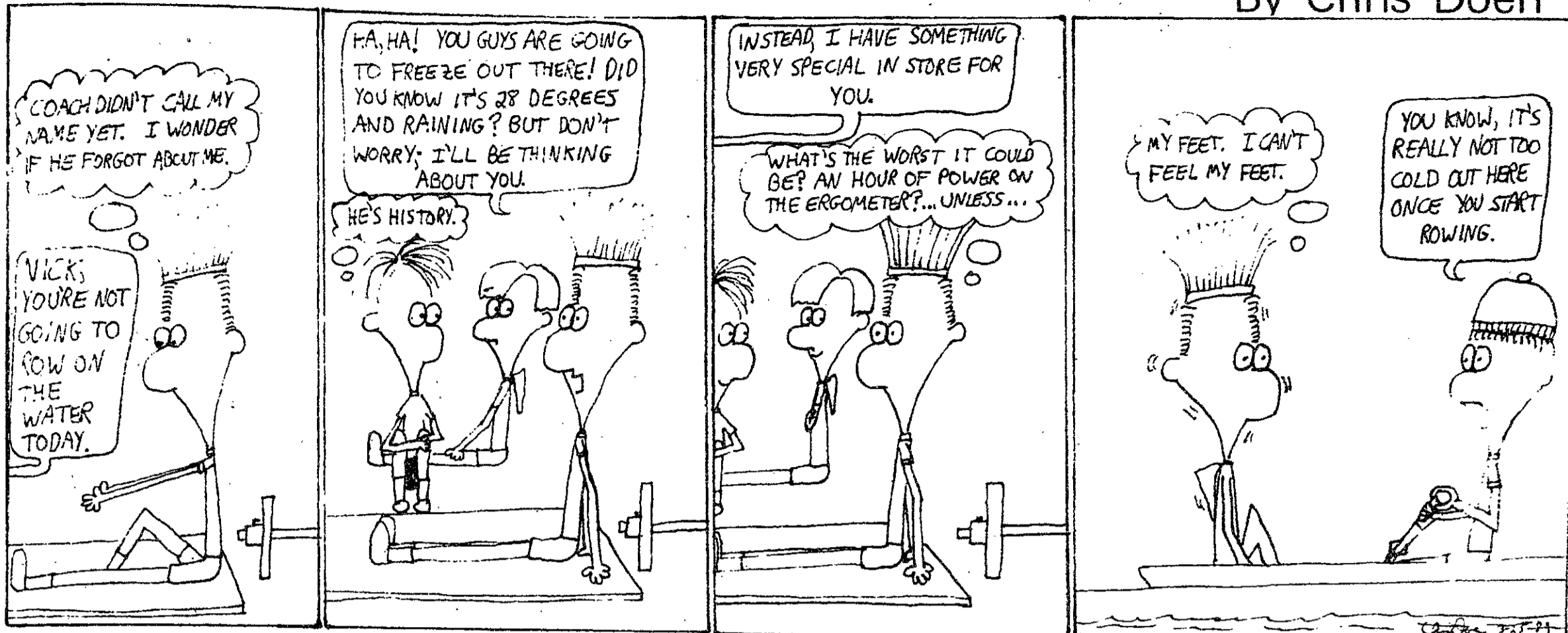
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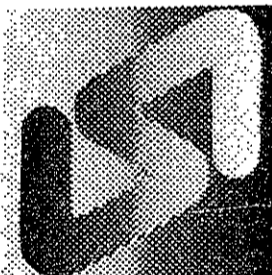
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PASSOVER IS COMING SEDER RESERVATIONS DEADLINE: APRIL 14

M.I.T. Community Seder Wednesday, April 19, 6:30 p.m. Led by Rabbi Dan Shevitz at Temple Beth Shalom, 8 Tremont Street, Cambridge. \$18 for students, \$28 for non-students.

Paid reservations are due by April 14. Reserve at Hillel or at booth in Lobby 10 on April 13 and 14. Cash and checks accepted.

"Satellite" Seders Thursday, April 20
Student-led seders will be held at various locations on campus. For information contact Hillel.

People interested in home hospitality should contact Hillel.

Kosher for Passover lunches and dinners will be served at the Kosher Kitchen, Walker Hall Room 50-007. For meal reservations and info call 253-2987.

M.I.T. Hillel, 312 Memorial Drive, phone 253-2982.

sports

MIT softball beats Emmanuel in first home game

Opponents' poor fielding lifts Engineers to 7-3 win

By Adam Braff

In their first home game of the 1989 season, the MIT women's softball team defeated the Emmanuel Saints by the score of 7-3. The game, played under cold and windy conditions, brought the Engineers' record to 3 and 1.

The game was marked by poor Emmanuel fielding; the Saints' fielders committed five errors, prompting their coach, Judy Pearson, to blame the miscues on the fact that five of her nine starters were freshmen. "But MIT didn't earn the win," said Pearson, alluding to the Engineers' weak hitting. MIT's seven runs came on just six hits.

The Saints blew their own chances to earn the win, however. Roseann McEvoy, junior shortstop for the Saints, opened the top of the second with a triple, but clutch pitching by Lisa Johnson '92 kept the Saints from scoring. Johnson struck out the second batter and walked the third. Next she caught a Saint looking at the third strike, but not before the runner on first stole second. Finally, after leading the bases by hitting a Saint batter, Johnson forced senior second baseman Nicky Vasquez to hit into an easy infield force-out. Emmanuel eventually managed

to score in the third inning when one of the freshman starters, Karen Zraket, doubled to left and came home after a steal and a wild pitch.

MIT responded in the bottom of the third with two runs. Right fielder Laura Brauer '89 got on base with a walk and scored when, two at-bats later, Johnson singled and reached third on a throwing error. Johnson then scored on an RBI single from Cecilia Warpinski '90.

In the top of the fourth, Emmanuel retook the lead with two quick hits, a sacrifice, and a fielder's choice to make the score 3-2. The home team tied up the score in the bottom of the inning when first baseman Stephanie Ragucci '90 reached first on an error and scored on another one.

MIT pitcher Johnson shut down the Saints for the remainder of the game, allowing two hits but no more runs. The Tech offense, however, took charge with four more runs in the fifth and sixth innings to put the game away.

After Johnson walked in the bottom of the fifth, she advanced to second on a wild pitch and was singled home by shortstop Caiti Crawford '91. Crawford (Please turn to page 14)



Mauricio Roman/The Tech

Caiti Crawford '91 slingshots the ball to Stephanie Ragucci '90 before their opponent can sprint to the base.

MIT rugby dominates Williams, 13-8

By Marcos Esterman and Tienie van Schoor

The men's rugby club avenged last year's loss to Williams College and improved their record to 2-1 in the process by defeating the Ephmen, 13-8, on a muddy field Saturday.

Despite the poor field conditions and the strong first-half wind the Beavers were facing, MIT dominated the game.

The Beavers scored first on a cross-field kick by Cliff Federspiel G. Dan McCarthy recovered the kick and after a good supporting play, Elmo Pratt scored the try. The conversion of the try by Grant Schaffner '89 gave MIT an early 6-0 lead. Unfortunately, Federspiel was injured on the play and had to leave the game.

A few minutes later, Williams answered back with a try of their own, but failed to make the conversion. After MIT spent much of the remaining half in Williams' end of the field, Schaffner kicked a penalty that gave MIT a 9-4 halftime lead.

The Beavers' lack of fitness became apparent in the second half, but MIT used the strong wind at their backs to stay in the Ephmen's end. Later in the half, MIT got its second wind and was soon rewarded with a try by Schaffner, set up by a strong run up the middle by Warren Brown '89.

Before the game was over, Williams scored one more unconverted try to yield the final score of 13-8. In the B-side game, MIT lost a scrappy game to a combined A/B Ephmen side, 14-8.

The Beavers opened up their season with an 8-0 defeat of the Boston College Eagles, but lost a game over Spring Break to Vassar College, 16-7.

This weekend, the rugby club will host an Alumni weekend, which will showcase the team against the Boston Rugby Club tomorrow at 1 pm and against the MIT Alumni on Sunday at 1 pm. The team will travel to Philadelphia on April 21-23 to represent the New England Rugby Football Union at the Eastern Rugby Graduate School Championships.

(Editor's note: Marcos Esterman G and Tienie van Schoor G are members of the men's rugby club.)

Pistol places sixth at championships

By Matt Machlis

The MIT varsity pistol team placed sixth overall at the ninth annual Intercollegiate Pistol Championships, held on April 7-8 at the Olympic Training Center in Colorado Springs. The Engineers' score of 6126 out of 7200 was the second-highest among non-military schools, behind only Oregon State University's 6151.

Eric C. Blau '91 was elected a member of the 1989 All-American Pistol Team for air pistol in recognition of his second-place finish in the individual competition. He also received All-American Honorable Mention for free pistol after finishing fifth in that event.

Blau was also chosen to be on the Olympic National Development team for the next year and will be competing at the World Airgun Championships in Sarajevo as a member of the US Junior Air Pistol team.

The scoring team, made up of Blau, captain Fred Chong '90, and co-managers Ken DeCanio '89 and Matt Machlis '89, competed in all three events (free, air, and standard pistol) by shooting

one of the top ten scores in the nation in each of the three at the sectionals in February. Individually, Blau competed in free and air pistol, DeCanio in air and standard, Chong in air, and Isako Hoshino '89 in women's air pistol.

In free pistol, the team shot a

1972. out of 2400 to edge out the US Naval Academy for third place, with the Air Force Academy taking first and the Military Academy second. Despite losing a shot due to a gun malfunction, Blau shot a 523 to place fifth individually.

(Please turn to page 14)

Men's volleyball team makes it to first round of playoffs

Sports Update

Volleyball goes to EIVA tournament

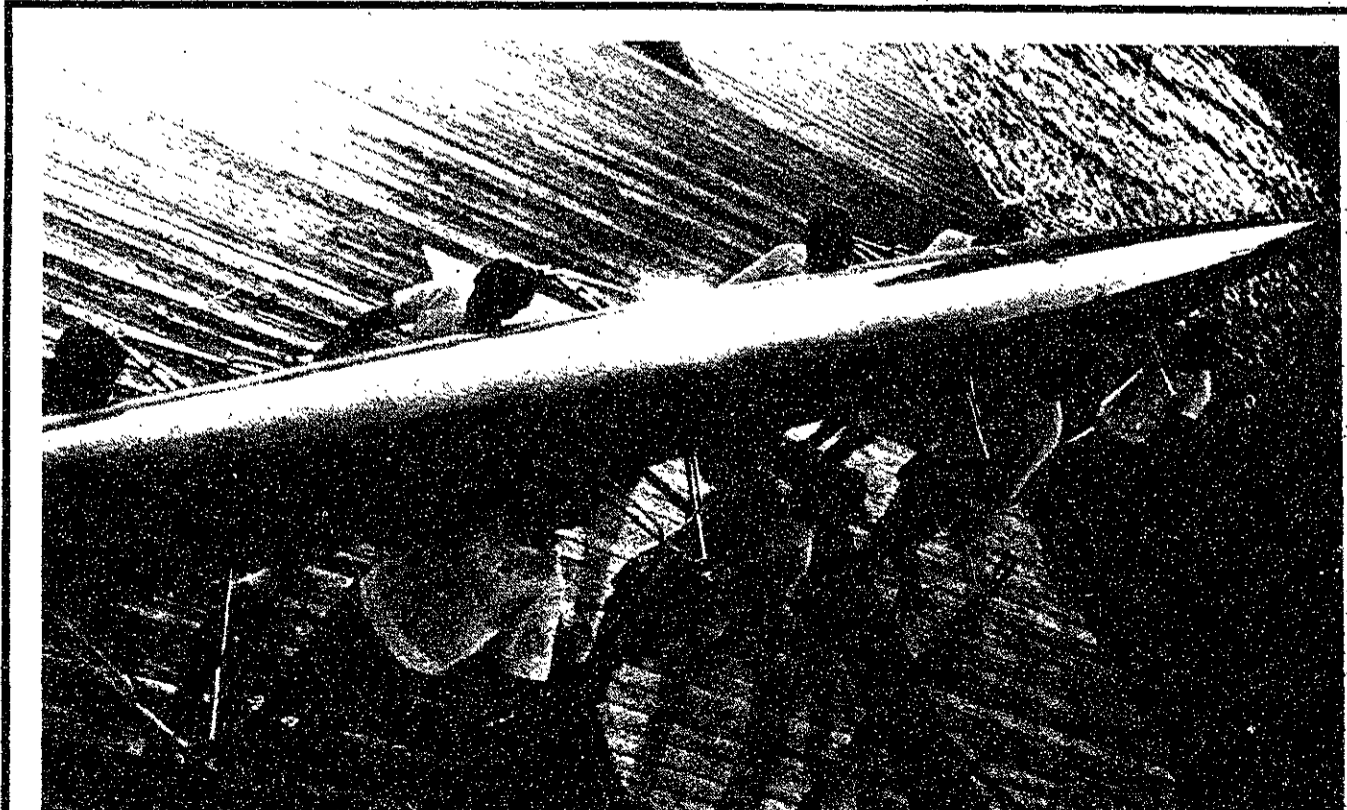
The MIT men's volleyball team is on its way to the first round of the Eastern Intercollegiate Volleyball Association playoffs, courtesy of the Roger Williams Seahawks. The Seahawks defeated Springfield College on Tuesday, knocking them out and allowing MIT to make the playoffs. The winner of the EIVA playoffs is one of the teams in the NCAA volleyball final four.

The Engineers will play East

Stroudsburg (12-7, 17th in the nation as selected by the American Volleyball Coaches Association) on Saturday in Annapolis, MD. MIT has played East Stroudsburg three times this season, winning once and losing twice. However, "all the matches [against them] have been tight," according to Coach Karyn Altman '78. In 1986 the Engineers were eliminated by East Stroudsburg in the second round.

The Engineers will be playing without hitter Joe Tang '89 and backup setter Ron Eng '91. Tang suffered a broken wrist while

(Please turn to page 14)



Kristine AuYoung/The Tech

The men's frosh heavyweights return their shell to the boathouse after racing Northeastern Wednesday afternoon.

Upcoming Home Events

Friday, April 14

3:00 Baseball v. Boston University

Saturday, April 15

1:00 Softball v. Brandeis University (DH)
TBA Lightwt. Crew v. Harvard & Dartmouth
2:00 Men's Tennis v. Trinity College

Monday, April 17

1:00 Baseball v. Eastern Nazarene

Tuesday, April 18

3:00 Baseball v. Boston College

Wednesday, April 19

1:00 Baseball v. Wentworth Institute

Thursday, April 20

1:00 Lacrosse v. Merrimack College
3:30 Softball v. Sarah Lawrence