

## Noble sues for tenure Former STS professor seeking \$1.5 million

By Harold A. Stern

David Noble, a former assistant professor in the department of science, technology, and society, is suing MIT over his failure to receive tenure in 1984. The civil action, filed in Middlesex Superior Court on Tuesday, requests that either Noble be reinstated as a tenured associate professor, or he be awarded \$1.5 million in damages.

Noble, a member of the STS faculty from 1975 to 1984, claimed that the department refused to grant him tenure because "Noble's scholarly work sharply criticized MIT as an institution, and that the plaintiff's public speech criticized MIT's ties with industry and MIT's improper use of publicly-created university resources for private commercial benefit," according to the deposition.

The statement named President Paul E. Gray '54 as a co-defendant, along with former Provost Francis E. Low; Carl Kaysen, director of the science, technology, and society program; and Professor Emeritus Francis E. Reintjes. [For a summary of the "Statement of Claims," see page 11.]

Noble held a press conference at the Harvard Law School to announce the suit on Tuesday. He began by reading a statement, in which he claimed that "in the light of widely accepted academic standards, [he] should have been granted tenure."

Noble based this claim in part upon the findings of an interdepartmental review committee, which was formally charged with soliciting letters of recommendation, and "essentially compiling a dossier on [his] record," Noble said.

The committee was composed of Professor of Management of Economics Lester C. Thurow; Professor of Political Science Walter D. Burnham; Professor of Science, Technology, and Society Merritt R. Smith; and Professor of Aeronautics and Astronautics

Leon Trilling.

They voted unanimously to recommend that the STS department grant him tenure, he continued.

Despite the favorable recommendation, Kaysen, on behalf of the STS faculty, announced in Feb. 1984 that the department would not put Noble's name forward, Noble said.

Noble claimed that this decision was made on political reasons.

"The STS program was influenced by the administration to the extent that they felt that granting David tenure would be detrimental to the program's position in the university," Noble's counsel said.

Noble also accused Reintjes of making slanderous statements concerning the quality of Noble's work. Reintjes made statements to the STS faculty objecting to Noble's portrayal of Reintjes' work in *Forces of Production*, Noble's social history of industrial automation, Noble accused.

**Noble denied information and review**

Noble then attempted to obtain copies of reports, to "find out who did what." He was denied access to all information, he claimed.

"I know this is in violation . . . of AAUP [American Association of University Professors] guidelines," Noble's counsel asserted.

"I was also informed that there was no appeal procedure at MIT, and on an ad hoc basis I appealed to the provost, and received cursory review." Noble then appealed to both Gray and the chairman of the MIT Corporation, with similar results, he said.

Noble's attorney also criticized MIT's lack of formal review procedures. "The fact that MIT did not have certain minimal due process procedures," she said, "is very illegal."

Joseph Kurland, staff member

of the AAUP, said in an interview that "MIT is not legally bound to comply with AAUP standards. . . . But the courts frequently lean upon AAUP standards as the accepted norm."

**Noble's willingness to go public unpopular with colleagues**

Noble asserted that there exist-  
(Please turn to page 2)



Stephen P. Berczuk

Prof. David Noble answers questions Tuesday about his \$1.5 million lawsuit against MIT while his attorney looks on.

## Dorm site to be announced

By Michael J. Garrison

An outside source has prepared a report for the MIT Planning Office detailing possible sites for a new graduate housing facility, said Senior Vice President William R. Dickson '56. Dickson declined to reveal the contents, but said he will be more explicit when he speaks before the Graduate Student Council meeting on Sept. 18.

"We acknowledge that graduate housing is one of the higher, if not the highest, priority issues of the Institution," Dickson said.

President Paul E. Gray '54 announced the search for a graduate housing site at a GSC meeting last spring ["Gray talks to GSC members," April 29]. At that time he said he would rank the top four possible sites by August.

"It took a little longer than we had anticipated," Dickson explained. "You can look around

— there are not a lot of [potential housing] sites."

Only land "along the river" is zoned for institutional housing, Dickson said. "Once you stray out of [MIT's] immediate locality . . . you can't say, 'I'm going to build housing,' [without] a special permit from the city."

Zoning laws prohibit institutional housing in most of Cambridge, Dickson said. Exceptions can be granted by the Zoning Board, he said, but applicants "have to have a pretty strong case."

The construction of housing is "neither permitted nor denied" in the area immediately surrounding MIT, Dickson added. This "middle ground" is where MIT hopes to concentrate, he said, since the City of Cambridge could grant them a permit without having to go to the Zoning Board.

Dickson dismissed the idea of

building MIT housing in the Simplex area. "From day one [MIT agreed to] not put anything in Simplex that is untaxed," he said. Dormitory housing is free of property tax.

**Types of potential housing**

MIT may not build a completely new building in order to add more housing space to the Institute, Dickson speculated. It is much cheaper to renovate an existing building, he explained. "We are looking very seriously at the likeliest of those opportunities."

Conversion of an existing building would bring the fastest solution to the problem, Dickson said. "It takes about a year to plan [the construction of a new building] and two years to build it," he elaborated. Renovation takes only "three quarters of a  
(Please turn to page 15)

## Stabbing victims recall attack

By Anu Vedantham

Matthew Denesuk '87, the victim of a Sept. 8 stabbing in Boston, is in fair condition at Beth Israel Hospital and expects to be released this weekend.

Denesuk and James F. Brennan '87 were attacked shortly after they left Father's Two, a Boston bar at 820 Beacon St. While inside the establishment, they were accosted by a man for no apparent reason, according to Brennan.

As the two students left the bar, the same man shoved Brennan. Denesuk and Brennan were immediately surrounded by a group of hostile people. "I think they were out there even before we left the bar. . . . There were five or six of them around Matt [Denesuk] and a few more around me," Brennan said.

"Jim and I both estimated their number to be about ten," Denesuk said. Neither student had seen any of the attackers before, he added.

"We were fighting them after they attacked," Denesuk continued. "I got hit in the head and then I saw one of them pull out a knife in front of me," he continued. Denesuk guessed that at least two people attacked him from behind at this point.

"I'm not really sure what happened [after the stabbing]. It happened so quickly. I was stabbed in the back and then in the side. . . . Jim was knocked out. I went over and woke him up," he continued.

The two students started to walk back to their fraternity house, Beta Theta Pi, on Bay State Rd, when they noticed a Boston University Police car parked near Kenmore Square. Brennan asked for help, Denesuk remembered.

Sergeant Burke of Boston Uni-

versity Campus Police then drove the two students to Beth Israel Hospital, according to MIT Campus Police Chief James Olivieri. Brennan was treated for a cut over his left eye. Denesuk underwent surgery for a punctured lung, said Boston Police Officer John Gillespie.

Gillespie said he will call the students into police headquarters in order to start a mugshot identification of the assailants. The investigation does not have a substantial chance of apprehending the attackers with only a verbal description from the students, Gillespie added.

Olivieri said he also plans to interview the students. If he finds that the attack could have been

prevented by Father's Two, he will send a formal letter of complaint to the Boston Licensing Commission, he said.

Brennan has returned to classes, and Denesuk has made arrangements with his advisor and teachers to compensate for classes missed during his hospital stay, Denesuk said.

Olivieri has written a letter to the Boston University Campus Police chief, citing the action of Sergeant Burke as "a very very opportune move," Olivieri said. "The doctor who treated Denesuk said that he probably saved [Denesuk] from serious medical problems, thanks to the sergeant's prompt action," he continued.

## Environmentalists call for limits on pesticides

By Earl C. Yen

"The federal government has been derelict in banning hazardous chemicals," according to environmentalist Lewis Regenstein, who spoke last night in 10-250 before a crowd of 150 people.

Regenstein, whose lecture was sponsored by the Coalition to End Animal Suffering and Exploitation, argued that the Food and Drug Administration (FDA) takes an excessive amount of time in evaluating potentially hazardous chemicals.

"Four of the most toxic chemicals banned by the FDA, including DDT, can be found in 99 percent of all Americans," Regenstein said. "By the time the FDA acts, it's often too late."

Regenstein attributed the United States' steadily rising rate of cancer to the explosion in the number of harmful chemicals over the past century. "One of every three Americans will eventu-

ally die of cancer," he noted.

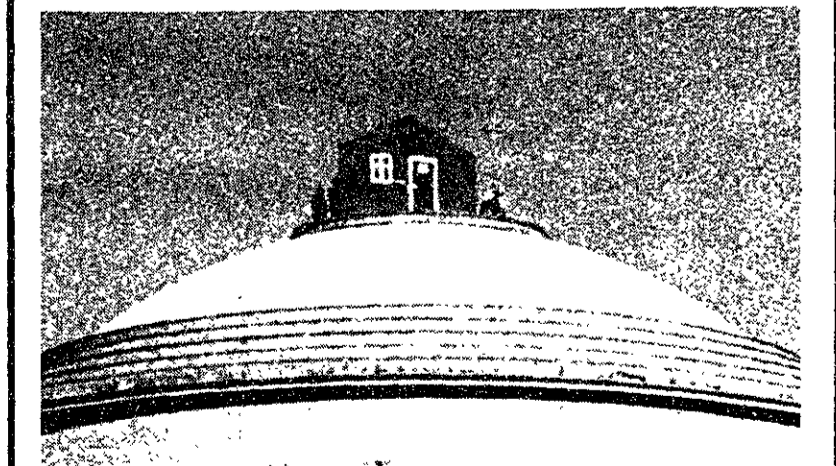
He explained that the government legalizes too many chemicals before their effects are known. "It's impossible to know the long-term effects of chemicals when they've only been around for a few years."

Regenstein strongly opposed the usage of many chemical fertilizers. He cited a 1979 presidential study that showed that usage of chemical pesticides in America has increased by a factor of ten over the past thirty years. Over the same period, the same study indicated that American farmers are losing twice as many crops to insects compared to 30 years ago.

"The problem is that insects become immune to more and more pesticides," he commented. He cited insect traps and the release of sterile insects as effective alternatives to pesticides.



Eric N. Starkman



Stephen P. Berczuk

Going up . . . coming down. Hackers assemble a house atop the great dome early Monday morning (top). At noon, Physical Plant personnel investigate the structure before taking it down.

## Noble claims MIT refused to grant him tenure for political reasons

(Continued from page 1)  
 ed an agreement among MIT faculty members not to go public with their criticisms of Institute policy, and that he was denied tenure because he violated that "gentleman's agreement."

"In every case, whether it was [performing research for] the chemical industry . . . or [research] on automation and biotechnology, my first approach was always to my colleagues. And I participated quite vigorously in debates within MIT. But I did not restrict my comments to those circles. And I believe I am protected by the Constitution."

In 1977 Noble wrote a letter to *The Tech* criticizing MIT's pro-

posed policy of requiring maintenance workers to wear identification badges. The dean of the School of Humanities allegedly threatened him, telling Noble that he was placing his career in jeopardy.

Noble also actively opposed MIT's establishment of the Whitehead Institute for Biomedical Research, which he believed would allow private corporations an "advantageous inside track on public resources."

There were other events similar to those, Noble continued. "Every effort I made to simply exercise my civil rights, I was remind-

ed in many different ways that I was putting my career in jeopardy."

Noble never considered lowering his profile until after he received tenure, he said. "I am protected by the Constitution. I am a citizen. My people fought and died for the Bill of Rights. Why should I have to curtail my civil liberties in order to keep my job? It never occurred to me that I should curtail my speaking out."

Many junior faculty members refrain from speaking out while untenured, he continued, but "they are wrong. It injures all of us. And the sad thing is that cases like mine . . . are so few."

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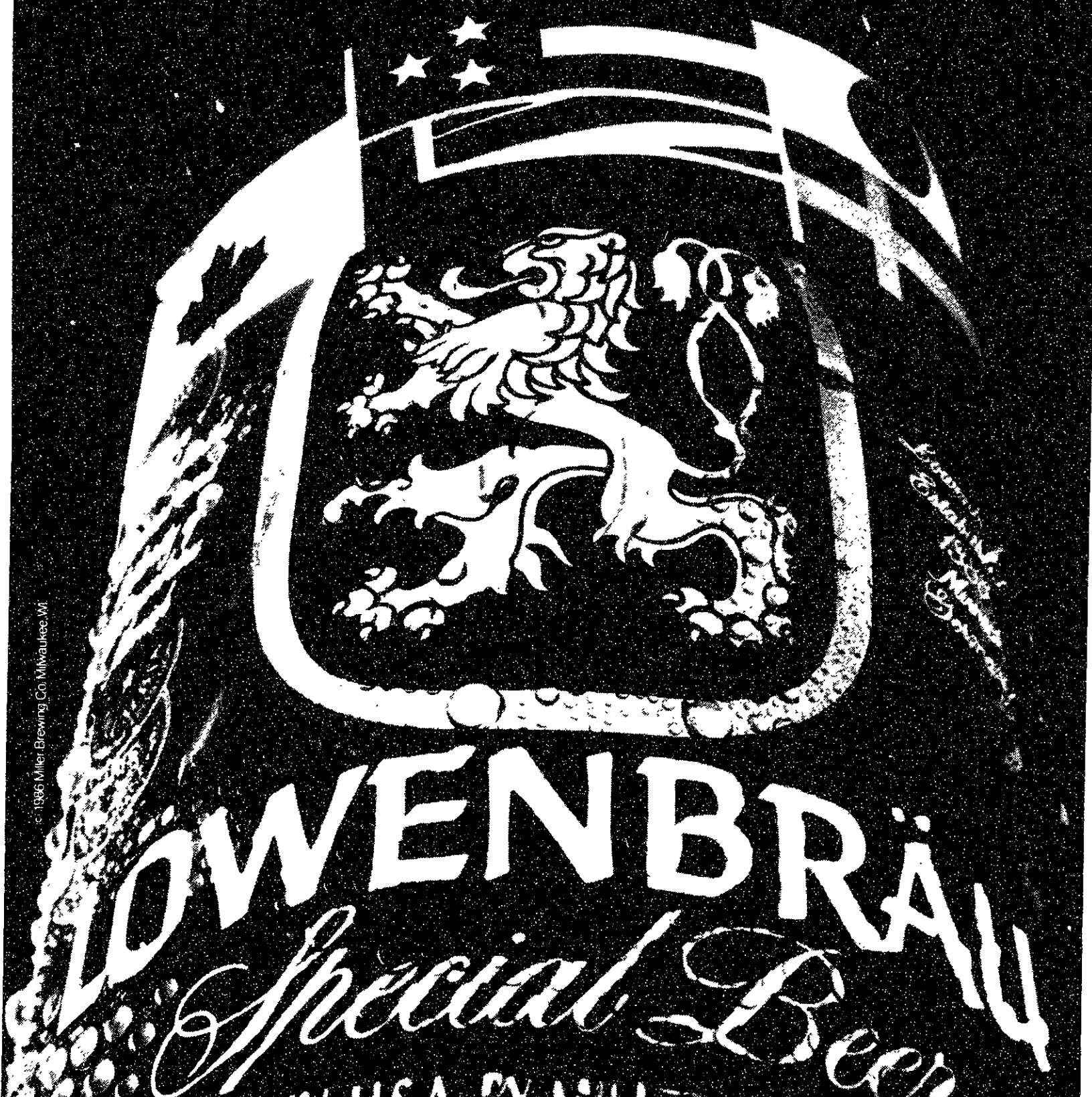
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# news roundup

from the associated press wire

## World

### Daniloff suggests release to embassies

Jailed American reporter Nicholas Daniloff reportedly thinks he should be released from a Moscow jail and turned over to the US ambassador — and the accused Soviet spy being held in New York, Gennadiy Zakharov, be turned over the custody of the Soviet Embassy. Daniloff's wife, Ruth, says her husband thinks this might "cool the international uproar" over his case and avoid upsetting a superpower summit. (AP)

### Guerrillas attempt to raid Israel

Four guerrillas in a rubber dinghy had intentions of raiding Israel's northern coast, but their mission failed. Israel struck back Wednesday by rocketing Palestinian guerrilla positions near Sidon, Lebanon. Lebanese hospital officials say three women were killed and 13 other civilians were wounded. Police report that nine were wounded and none were killed. (AP)

### Two kidnappings occur in Lebanon

Kidnappers struck again in West Beirut Wednesday, abducting the top official of the International Lions Club in Lebanon and Jordan. Authorities have not yet determined who kidnapped Victor Kenou, a Lebanese Christian.

The kidnapping occurred the day after the abduction of American educator Frank Reed on a West Beirut street. Reed had written his relatives in Massachusetts before the incident, informing them that he was growing more fearful and planned to return home. The Islamic Jihad claimed responsibility for Reed's kidnapping.

An Arab-American group in Washington claims that there are still close to 1000 Americans still in Lebanon. The State Department will not confirm the figure. (AP)

### NATO maneuvers largest in 30 years

The US military is taking part this week in NATO's largest maritime maneuvers in 30 years. About 12,000 marines from the United States, Britain, and the Netherlands have begun air and seaborne landings in southern Norway as part of the "Northern Wedding" exercise. (AP)

## Nation

### Congress reinstates death penalty

The US House of Representatives voted by an overwhelming margin (296-112) to reinstate the death penalty for drug dealers. The penalty specifically applies to engaging in criminal enterprise which results in the death of another. The House also approved legislation allowing for the use of illegally-obtained evidence in cases where officers acted in good faith. (AP)

### Foreign trade deficit drops

The US trade picture has improved during this second quarter of the fiscal year, according to Commerce Department figures. The foreign trade deficit totaled \$36.02 billion, which is down 1.2 percent from a \$36.46 billion shortfall in the first quarter. New figures show that imports hit a record of \$90.02 billion in the April to June quarter, while exports climbed to \$54.80 billion. (AP)

## Local

### Teachers reach tentative contract

Boston teachers met yesterday to ratify a tentative contract for 19.5 percent in pay raises over the next three years. After an all-night bargaining session Wednesday, Boston Teachers Union President Ed Doherty said early Thursday he recommended approval of the proposed contract. (AP)

### Dukakis leads in survey

According to a statewide telephone survey released Tuesday night, Democrat Michael Dukakis enjoys a commanding lead over Republican George Kariotis in his run for re-election to a third term as Massachusetts governor. The survey of 500 registered voters says Dukakis would defeat Kariotis by a margin of 65 percent to 21 percent. (AP)

### Pilot, 18, escapes injury

An 18-year-old student pilot, Kristine Fairfield, escaped serious injury after the helicopter she was flying crashed into a cornfield off Route 140 about 2 pm Tuesday. The airport manager and Aviation Training Academy President Howard Fuller said that the two seat helicopter may have been upset by a gust of wind. (AP)

### Safety of Boston's elevators questioned by state official

State auditor John Finnegan has issued a report which accused the state of failing to inspect thousands of elevators between July 1983 and June 1985. No deaths or injuries can be attributed to the alleged problem, the report states. The state lost at least \$211,000 in fees that should have been collected in the course of inspections, Finnegan wrote. (AP)

### Rhode Island to fight illiteracy

Governor Diprete announced Wednesday an aggressive campaign to eradicate illiteracy, modernize job-training programs, and find promising employment for minorities and the jobless. A task force of business, industry, and education leaders will oversee the project, named "Work Force 2000." (AP)

### Chancellor of higher education selected

The Board of Regents picked a New Jersey educator as the state's new chancellor of higher education yesterday. Franklyn Jenifer will head the state's public college system, dashing former Amherst state representative James Collins' hope that he would remain in the post where he had worked since June. (AP)

## Weather

### It only gets better

After a mixed bag today, we will see improving weather for the weekend. It will be cloudy, warm and humid before the passage of a cold front later today. After the frontal passage, dry and somewhat cooler Canadian air will settle into our region.

**Friday:** Although skies will be mostly cloudy, it will be warm and quite humid. High temperatures will be near 85° (30° C) and there is a chance of showers and possibly a thundershower. Winds will be brisk from the southwest at 15-20 MPH (24-30 KPH).

**Friday night:** Showers early on, then clearing and cooler. Low temperatures will reach 60-65° (16-19°C) by morning and winds will shift to become northwesterly at 10-15 MPH (16-24 KPH).

**Saturday:** Basically a beauty. It will be mostly sunny and drier with highs near 75° (24°C). Continued breezy from the northwest.

**Sunday:** We can expect a mixture of clouds and sun with highs 70-75° (21-24°C).

Forecast by Robert X. Black

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# opinion

## Editorial

### Bachrach the clear choice in 8th CD

From the beginning, the focus of attention in the 8th Congressional District Democratic nomination has been on one man: Joseph P. Kennedy II. Despite his lack of political experience, Kennedy's name, wealth, and looks have made him the favorite in the race to succeed Thomas P. O'Neill.

In recent weeks, however, State Senator George Bachrach has demonstrated that he can command the broad base of support necessary to defeat Kennedy.

The two are a study in contrast. Kennedy, a young and affluent businessman, has no track record and no established credentials. Bachrach is an experienced state senator with an impeccable voting record.

As a state senator representing Belmont, Watertown, and parts of Allston, Brighton, and Cambridge, Bachrach's face and policies are familiar to a large number of voters. For those members of the MIT community living in the Back Bay and that part of Cambridge south of Harvard Square, more explanation is necessary.

Bachrach has long been known as a reformist and a maverick on Beacon Hill, and has been outspoken on his differences with State Senate President William M. Bulger. Attracting attention with quiet oratory, Bachrach stands behind his convictions, to the point of being arrested in Boston while protesting the sale of Krugerrands at Deak-Perera.

In a speech at MIT last semester, Bachrach called for "a quick, small cut" of \$35 billion from the military budget, saying the same amount should be cut in the following year. He judged that the money could create 500,000 jobs if redirected into domestic programs. His constructive solutions for the military budget include eliminating waste and redundancy, and increasing competition and efficiency.

Bachrach believes that the United States could accomplish more abroad with diplomacy and bread than with violence and guns. In an interview in *The Tech* [April 11], he said, "We could do far better in Nicaragua if we fed people than if we militarize the region."

At an MIT rally, Bachrach said, "Every great movement in this country . . . has started on college campuses and in the streets." The many student voters in the 8th CD could confirm George Bachrach's optimism and send him to Capitol Hill.

*The Tech* urges residents of the 8th CD to vote for George Bachrach.

### KENNEDY and ROOSEVELT: amazing coincidence, or what?

V. Michael Bove  
Julian West



Kennedy

- running on a famous name
- businessman switching to politics
- nephew of JFK, a president who died in office
- son of a senator
- hasn't taken PAC money
- always talks about housing
- worked for Ted Kennedy in '80
- argues with Jim Roosevelt
- cute first name, 3 letters, beginning with J
- Joseph Kennedy II.
- relative of Teddy Kennedy



Roosevelt

- running on a famous name
- attorney switching to politics
- grandson of FDR, a president who died in office
- son of a congressman
- won't take PAC money
- always talks about health care
- worked for Ted Kennedy in '80
- squabbles with Joe Kennedy
- cute first name, three letters, beginning with J
- James Roosevelt, Jr.
- relative of Teddy Roosevelt

### Column/Scott Saleska

## King could make difference

A few days ago as I was standing in Building 10, a woman pointed at my "Mel King for Congress" button.

"I hope he drops out of the race," she said.

I'll repeat here what I told her then. "Don't count on it."

Don't count on it for two simple and compelling reasons. First, King is far and away the best candidate in the 8th CD race.

And second, despite what *The Boston Globe* says, King can win.

\* \* \* \*

King is the most experienced, the most principled and the most demonstrably effective candidate.

For over 30 years, King has been active in Boston as a community activist, as a state representative and as an educator (including his adjunct professorship in the department of urban studies and planning at MIT).

Throughout those 30-odd years, King has stood consistently for a peaceful, democratic and non-interventionary foreign policy. He has stood for affordable housing and health care for all Americans. He has stood for the elimination of hunger in America, and he has fought against all forms of racism, sexism and homophobia.

Not only has he taken positions on these issues, he has been on the frontlines of the struggle for them. You never need to wonder where King stands — you know, because 30 years of rock-solid dependability tells you so.

He is not only principled; he is effective. He builds coalitions and brings people together, combining his idealistic and humane vision with practical and workable policies.

King is a leader of national stature. He has been executive director of the Boston chapter of the National Urban League, and he founded the Rainbow Coalition, which Jesse Jackson later made nationally famous in his bid for the presidency.

In light of the fact that democrats across the country are showing that they have few principles, little vision and less courage to oppose to the cold-war paranoia and domestic war against the poor of the Reagan administration, King will be the most effective person we can send to Congress to stand and fight for a more humane alternative.

Joseph P. Kennedy II won't —

he's part of the problem, and State Senator George Bachrach can't — he has neither the grassroots connections nor the national network that King has. King will immediately become part of the most progressive group in congress — the Black Congressional Caucus — where he will be able to add to the collective political strength of people such as John Conyers from Michigan, Ron Dellums from California and the soon-to-be-elected John Lewis from Georgia.

But more important than King's position on issues, more important than the particular details of his many accomplishments, is his vision of an open, inclusive and truly democratic politics.

The traditional spectrum of debate in this country among the political elite on the issue of poverty serves as an illustrative example.

The essence of the conservative approach is to do nothing — in other words, to let poor people starve or freeze to death. This is rationalized by a warped social Darwinism that justifies starvation or freezing as necessary "incentives" to get people to work.

On the other end of the spectrum are the liberals who recognize that large numbers of very poor people can create a socially unstable and potentially threatening situation. They therefore push programs that — like Kennedy's Citizen's Energy Corporation — give a little something to the poor. But, because these programs do nothing to actually contribute to the overall economic power of those they try to help, they don't really address the fundamental problem of poverty.

King stands outside that spectrum because he supports the politics of inclusion and empowerment.

He has not simply done things for people, but he has worked with them to achieve their goals. With other candidates, our participation in the political arena ends on election day. With King, an election victory is only the beginning. As King himself has said, "If you want to lay back and carp about what's not being done, elect one of the other folks. But if you want to be part of the process of making something happen, then I'm the candidate."

And that's not just rhetoric. Throughout his 30 years of community service, King has demonstrated his commitment to grassroots participation in politics, both in and out of public office.

Bachrach and Kennedy, on the other hand, are simply two alternatives on the liberal end of the same old spectrum of elite politics.

And that's why King can win. He's the candidate who is different and, his politics are a real alternative to the elusive and illusory politics of elitism and exclusion.

That's not to say it will be easy. The polls can be discouraging, but there's something we all have to understand about King and public opinion polls. The polls underestimate King's strength, and they do it consistently. In virtually every race he's been in, King has done better on election day than he has in the pre-election polls.

The reason is the same one that makes King different from the others — because he offers a real alternative. Therefore, many who would otherwise not vote turn out to be King voters.

So don't count King out. Let him count on you. Vote for Mel King for Congress.

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Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without express prior approval of *The Tech*. *The Tech* reserves the right to edit or condense letters. We regret we cannot publish all of the letters we receive.

# The Tech

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# opinion

Guest Column/Carey Rappaport

## Rush is quick and efficient

Having competed my 11th fraternity rush (as a freshman, active brother, and alumnus) and my sixth Residence/Orientation Week as a dormitory graduate resident, I am once again impressed by the whole process. I must admit that rush does have its problems, but it basically works.

Two groups of students are involved in rush: freshmen, who must peruse, weigh and select living groups; and upperclassmen, who facilitate this selection and fill their houses and floors. Both groups must be considered when discussing rush.

This year 380 freshmen pledged fraternities and more than 80 percent of the remainder were given their first choice dormitory. Only about six percent or so of this thousand-person class had to settle for their third of worse choice. All this in only one week!

I think that most of us would not be too upset, regardless of where we end up. But housing always seems to be an emotional issue. Anyone who has been through a lottery in a living group to assign rooms knows about the effort, speculation and dealing that goes on.

We MIT students have an undeniable drive to get the best, as we each individually see it. Freshmen begin the process of ranking the best living groups the moment they set foot on campus. Although it is unlikely that complete, thoughtful opinions can be formed in just five days, I must give the freshmen credit for their ability to gather the important facts quickly and make the (seemingly) hard decisions.

Giving freshmen an uninterrupted chance to find the place that is best for them is an essential benefit of R/O, as it now exists. Quite aside from the extra dormitory crowding, it would be terrible to force students to consider fraternities and dormitories after classes start. I am sure that neither the problem set burdened students nor the attention demanding professors would appreciate a term or year of rushing. Getting housing assignments finished early is a service to new students.

There are a few casualties of the system: students who do not

get bids they were perusing or one of their first five dormitory choices. But there are only a handful of these, and after a year, most will be happy with their residence. Compared to the overwhelming majority of satisfied students, this price seems small. Granted MIT should help soften the transition from home to college, but occasional rejection is part of life. Many more students fail courses than get assigned to a last choice dorm.

Another set of freshmen that appears to be hurt by rush is women. Representing over a third of this year's freshman class, they must be given more attention than they have in the past.

It is the second group of students, the upperclassmen, that is usually overlooked when analyzing rush. Rush is almost entirely student-run, from clearinghouse to the R/O committee, to individual fraternities and dormitories. There is only minimal interference from the MIT administration and dean's office (except to do the arduous task of dorm assignments).

Rush is a student activity, perhaps the best student activity in the country. It is an enormous endeavor in both energy and money. Upperclassmen work as hard in those three or four days as during any other time during their stay at MIT. Each fraternity budgets for rush about one-third of the entire amount MIT spends on R/O. The organization by the InterFraternity Conference and Dormcom is steady and solid. They accomplish a unity and coherence that MIT itself cannot until commencement.

The individual living groups also show professional organization. Two to three hundred freshmen pass through the average house in two and a half days. A dozen or so must be quickly selected while simultaneously convinced that the particular place is attractive. The brothers must hold together; scores of events must be planned, kept track of and followed up; and the house must be kept presentable.

The fraternity must deal with real human beings in a sensitive, responsible way. These are important and difficult issues to deal with. The hands-on education that accompanies rush — the in-

terviewing skills, the leadership training and the programming and scheduling experience — are possibly the most important part of MIT's rush.

Nobody professionally trains fraternity members how to run rush. Nobody directs dormitory rush. It is the student residents who make rush succeed. MIT may not have much school spirit when it comes to sports, but it sure knows how to get motivated for its R/O.

(Editor's Note: Rappaport is the graduate student representative on the Committee on the Undergraduate Program.)

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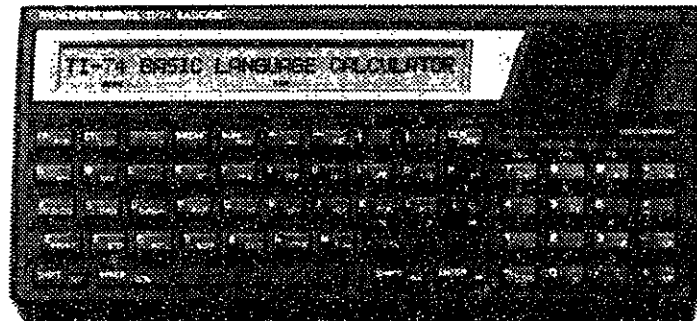
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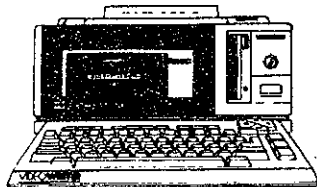


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# opinion

## feedback

### Israel is misunderstood

To the Editor:

In reply to Simson L. Garfin-  
kel's interesting column ["Israel  
has its shortcomings," Sept. 9]  
on his disillusionment with Israel:  
I am delighted that Simson  
has discovered that the pursuit  
of the good life in America is of  
such importance to him.

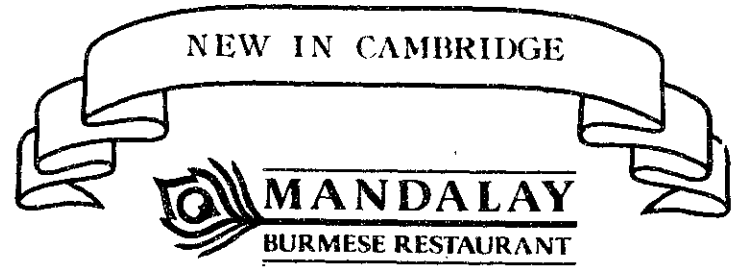
I am more than a little sur-  
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fesses experience in a Zionist

youth movement should exhibit  
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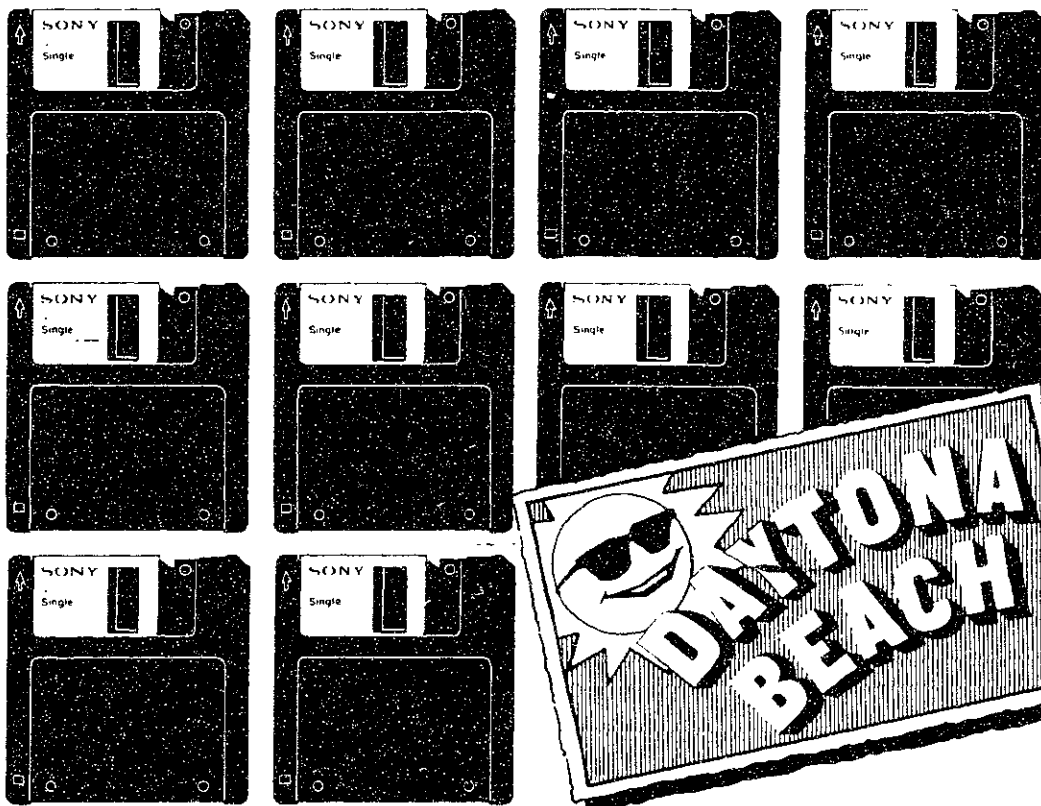
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# opinion

## feedback

### Dorms are also living groups

To the Editor:

We sympathize with those fraternities who had problems filling the spaces in their houses and wish them better success in future rushes. However, we hope that not all of the members of these fraternities have taken the same attitude that is evidenced by statements in the Sept. 9 *Tech* by Danial T. Dismukes '88 (FIJI rush chairman).

Dismukes' statement, "Dormitories should be a default", betrays an obvious ignorance of the basic purpose of Residence/Orientation week; that is, to provide MIT freshmen with an opportunity to choose where they would be happiest living.

The choice given to freshmen is to pick a living group, not which fraternity to select. By saying that choosing to live in a dormitory should be a default option only, Dismukes implies that fraternity life is preferable to dorm life. This clearly is untrue. Most students who live in dormitories do so because they have chosen to live in the type of environment a dormitory provides, not because they weren't bid by a fraternity.

Dismukes' other statement, "Fraternities look for people who share common interests, not people to fill beds," is equally misguided in its implication that dorm residents don't care which freshmen "fill beds" in their dorms. Many residence halls spend a large portion of their operating budget on R/O activities. They do this in an effort to help

### Dorms should be more than a default option

To the Editor:

I am writing in response to an article ["Lower class size forces a more competitive rush," Sept. 9]. The article was disturbingly one-sided. Daniel T. Dismukes' comment that "Dormitories should be a default choice" summarizes the feeling that the fraternities at MIT are the preferred place to live. He also suggests that MIT should emphasize independent living groups over dorms, and elsewhere Karen Needles claims that dorms do not need to rush.

Although fraternities enjoy the privilege of being able to exclude freshman from their living group, they have no more responsibility than the dorms during rush. Rush is a hectic time for freshmen — they must choose one living group out of over forty within a week. Most freshmen choose dorms over fraternities, and deciding on a dormitory is just as important as deciding on a fraternity. Both dormitories and fraternities must try to present a realistic image during rush if the freshmen are to make informed choices.

Many fraternities do not consider dormitories as social groups. They are, however, a big part of the residents' social life. Considering them as a generic repository for the fraternities' refuse is both arrogant and foolish. Some schools do treat dormitories this way and are rewarded with sterile and colorless houses.

Finally, Dismukes' comment that MIT should assist the fraternities in placing freshmen there is ridiculous. If his fraternity does have trouble filling its beds, perhaps it should look inward rather than outward for the source of the problem

Bill von Novak '87

the freshmen understand what each living group is about, socially and otherwise. The choice of where to live will have a great deal to do with what life will be like for a person over the next four years.

MIT is unique because it has so much to offer — and it is everyone's responsibility to make that clear to both freshmen and upperclassmen. Every living group has advantages and disadvantages but there is a reason why two-thirds of all undergraduates choose to live in dormitories and there is a reason why

most students couldn't think of living anywhere else.

Finally, we'd like to congratulate all dormitory residents who worked on Rush. Overall, dormitory rush went very well and relationships among dorms were terrific. We hope that next year the respect and understanding that exists among both the dormitories and the Independent Living Groups will continue to be a more positive relationship for the whole community.

Stephanie Levin  
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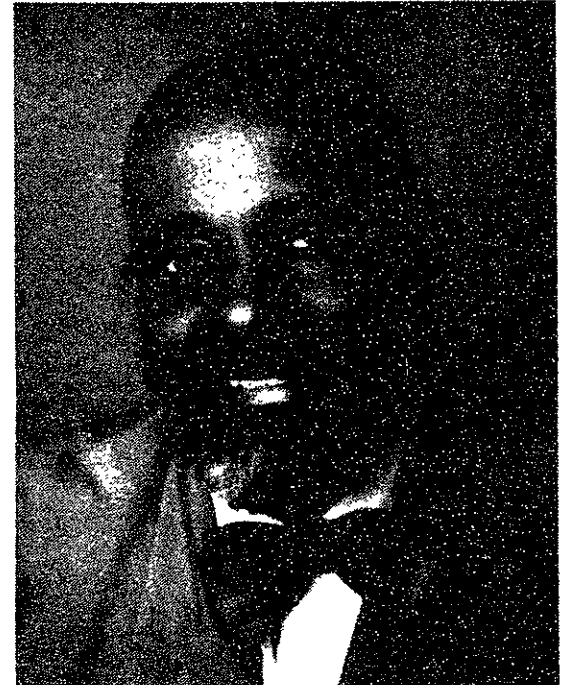
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## "She's Gotta Have It" has it all: intelligence, humor, and sex

### SHE'S GOTTA HAVE IT

At the Nickelodeon and Harvard Square Theaters.

By PETER DUNN

**S**EX! Let me clarify: sex is the "it" of the title and the main subject of this new film directed and written by Spike Lee.

Yet this is a film which challenges the intellect at a level significantly higher than that of a video game, and that is refreshing after a summer glut of action/horror films like "Cobra," "Raw Deal," "Aliens," "Texas Chainsaw Massacre II," or "Poltergeist II." Spike Lee (who also co-stars in the film) has made an engaging, stimulating, light comedy that was a minor hit at Cannes and is presently the darling of North American critics.

Shot in Brooklyn in grainy black and white (except for one dance sequence in color), "She's Gotta Have It" tells in pseudo-documentary style of the romantic entanglements of a beautiful young black woman, Nola Darling (played by Tracy Camila Johns). Nola has a strong, healthy sexual appetite (hence the title of the movie); in fact, a strong sexual appetite for more than one man. Her ex-roommate complains of walking into the bathroom every morning and each time seeing a new man's face.

At the top of Nola's list of many lovers are Jamie Overstreet (Redmond Hicks), a steady level headed type who wants to marry her; Greer Childs (John Canada Terrell), a stuck up, well-built gigolo whose face graces the covers of *GQ*; and Mars Blackmon (Spike Lee), a little shrimp who is a lot less funky than he thinks (he wears a necklace from which dangles an embarrassingly large gold name plate), but a lot funnier than he probably knows.

Each man is introduced in documentary style, speaking directly into the camera of his relationship with Nola. With this simple device Spike Lee begins to define each of his characters, individualizing each through camera movement and cutting. Jamie's essentially dull personality is displayed by introducing him calmly sitting on a park bench as the camera slowly tracks in. Greer's flashiness is established when he is first shown via a circular track around his expensive sports car. Mars' funky and off-the-wall nature is shown through quick cutting between close-ups of his arrow haircut, his oversized necklace, and his untied shoes. Each man's personality is further elaborated upon through directorial style in subsequent monologues to the audience. Their relationships with Nola are established by differing yet echoing scenes of lovemaking with her.

This echoing reflects how the men are seen in the eyes of Nola and explains in part why she cannot choose any one of them over the others: all three are different on the surface but in essence the same and interchangeable.

This basic premise of the interchangeability of the men in Nola's love life is the framework for most of the comedy and heartbreak in the film. Nola must juggle the egos of each of her beaux, placating each just enough so that he is satisfied without her having to give up the other two. None of the men can understand what Nola sees in the other two and each jealously tries to criticize and outdo the others. These attempts to monopolize Nola's attentions find the men falling on their faces, tripping over each other's heels.

Yet at each turn the audience's laughs are tainted by twinges of sorrow: each man wants Nola desperately and is hurt by the fact that she desires more than one man. They, however, are not the only ones to suffer, for Nola must contend with a society in general, which has yet to fully accept her sexual desires and needs.

For a man watching "She's Gotta Have It," it is a bit of a blow to one's ego. The Hollywood stereotype is of the male gigolo

juggling several women and it may feel uncomfortable to see the tables turned. At another level, each man in the audience probably identifies more closely with one of Nola's lovers than with the other two and feels a twinge of inadequacy when he realizes that no one lover can fully satisfy all of Nola's needs. As a male one feels sympathetic to Nola's desires, but at the same time a bit confused because of the way we've been brought up to view Nola as, in Mars's own words, a "freak."

"She's Gotta Have It" questions what parts of our sexual and emotional desires are acceptable and unacceptable, and points out how much of a gap still remains between the sexes. Though we are often made to laugh at our silly notions of what is correct and what is not in this respect, the film does not trivialize these issues. On the contrary: from the hurt felt by the characters and the anger they vent at each other, it is clear that however much we try to laugh at and dismiss the false notions we have of our sexual and emotional desires, the real dilemmas will eventually catch up with us.

"She's Gotta Have It" never answers all the questions the audience has about the characters, nor does it resolve all the prob-

lems it poses. At the end the men seem just as mystified by Nola as when the movie began, though Nola for her part seems to eventually accept her wants and desires regardless of what the men try to convince her is right. Most importantly, "She's Gotta Have It" does not preach: the film presents all viewpoints equally, giving Nola, Jamie, Greer, and Mars equal time to voice their arguments no matter how ludicrous they might be at times.

"She's Gotta Have It" is a low-budget film and the acting often leaves a bit to be desired. The actors sometimes seem uncomfortable in front of the camera, and often deliver their lines stiffly. However, the film more than makes up for what it lacks in professional workmanship by sincerity of acting, good laughs, and imaginative camera work (the jump cutting and gliding camera movement reminded me of early French New Wave).

Instead of numbing your mind with the traditional Registration Day type movie, why not begin the academic year with an intellectually stimulating movie that's still about sex? "She's Gotta Have It" is it.

## ART production of *King Stag* brings storybook to life

### THE KING STAG

By Carlo Gozzi. Performed by the American Repertory Theatre.

By JULIAN WEST

**T**HE KING STAG, Gozzi's magical 18th century fable, made a felicitous but brief return to the Loeb to coincide with Harvard's 350th anniversary celebration. It is one play in which the American Repertory Theatre's flamboyant and often controversial style is unquestionably suited to the material.

Gozzi created a fabulous landscape peopled by storybook characters, and the ART has realized it brilliantly. It is not simply the characteristic masks worn by the players which draw us into the book. Nor is it the costumes, which could have been designed by Tenniel but were in fact the creatures of Julie Taymor, who also designed the marvelous stick puppets.

What completes the air of unreality is the extravagance and repetitiveness of the gestures. Each character has found an individual idiom, from the gentleness of the good King Deramo and the china-doll fragility of the lover Clarice to the rough lechery of the evil prime-minister Tartaglia. They seem at times to be punctuating all of their speeches, at times to be speaking a

form of sign language, and at times the whole process recalls the elaborate gestures of a Japanese *Kabuki* play.

Frequently the players fall out of the gigantism of their parts to insert almost parenthetical remarks. This keeps the audience on its toes, and makes the play sound very contemporary, whether the quip is Gozzi's description of a dress as looking "like a three-masted schooner" or a purely ART description of it as "a '57 Buick."

The plot revolves around King Deramo (Thomas Derrah), and the use he puts to two magic charms which have been bequeathed to him by an old mage. The first is a statue, whose enormous, rather oriental face dominates the stage, which falls to laughing whenever it hears an obvious untruth. The King uses this to provide advice in the selection of a wife.

The first aspirant is the mercenary and fatuous Smeraldina, indulgently played by Isabel Monk, who claims to love the king but is laughed out of his hall by the animated statue. She is followed by Clarice, who has been thrust forward by her upwardly-mobile father, the prime minister. Clarice (endearingly played by Pamela Gien) loves another, but does not wish to offend the king. She turns out to be a charming speaker and a past mistress of circumlocution, and it takes some effort

on the part of Deramo to coax the truth out of her.

Clarice's friend Angela (Diana D'Aquila) is both honest and extremely clever, and on top of this loves the king. As over a thousand suitors have already been rejected, so she nurses little hope, but she has not reckoned with the magic statue, which recommends her for the queenship.

The plot is complicated at this point by the second magical device. The king has learned the trick of passing his consciousness into the body of a recently deceased animal. He demonstrates the technique to Tartaglia after a successful hunt, becoming the eponymous King Stag. The stag is animated by another trick of puppet wizardry.

Tartaglia seizes his chance to usurp both the affections of Angela and the crown by inhabiting the King's body. He launches on a reign of terror, killing an old woodsman and prompting the ancient-modern exchange: "why this sudden butchery?", "I don't think he had tenure."

Things go from bad to worse, but the whole mess is suddenly put to rights by the return of the magician, in the person of Rodney Hudson. He waves enormously long cloth arms, says the magic words, unites the lovers, casts out the villain and, like Prospero, gets the epilogue.

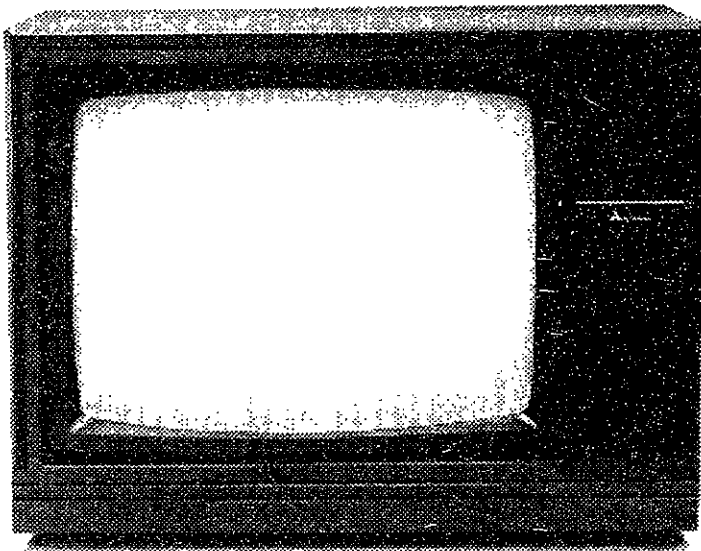
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# The Worlds of Philip Morrison

## September 26-27, 1986

MIT Students:

This is to invite you to an exciting series of events on Friday and Saturday, September 26 and 27 that will honor **Institute Professor Philip Morrison** on his seventieth birthday. On Friday, there will be a series of talks at the Hyatt Regency Hotel (575 Memorial Drive, Cambridge) on Astrophysics, Education, and Disarmament. On Friday evening, there will be a dinner at Walker Memorial, and on Saturday morning there will be talks in Kresge Auditorium by **Carl Sagan, Hans Bethe, and Philip Morrison**. Following the Symposium, there will be an all-Institute picnic and an air show, including a kite contest, on Kresge Oval.

To aid our planning, please return the coupon via Institute mail as soon as possible, or stop by room 7-111 in Lobby 7. We hope that you will be able to participate in these very special events.

Sincerely,

*Alan J. Lazarus*  
Department of Physics

*Bryan Moser*  
Undergraduate Association President

**FRIDAY, SEPTEMBER 26, 1986**

**SATURDAY, SEPTEMBER 27, 1986**

### Symposium

John Quincy Adams Ballroom  
Hyatt Regency Hotel

Registration and Coffee..... 8:00 am  
Welcome..... 9:00 am

#### Astrophysics

James Peebles ..... 9:10 am  
Walter Lewin..... 9:50 am  
Coffee Break ..... 10:30 am  
Kenneth Brecher..... 11:00 am  
Alan Guth ..... 11:40 am

#### Education

Lillian Webber ..... 2:00 pm  
Owen Gingerich..... 2:40 pm  
Coffee Break ..... 3:20 pm

#### Disarmament

Randy Forsberg ..... 3:50 pm  
Jerome Wiesner ..... 4:30 pm

### Banquet

Walker Memorial Dining Hall  
Massachusetts Institute of Technology

Cocktails ..... 6:30 pm  
Dinner ..... 7:30 pm  
Magic: Max Maven  
Speaker: Tom Gold

### Symposium

Kresge Auditorium  
Massachusetts Institute of Technology

Registration and Coffee..... 8:15 am  
Welcome..... 9:00 am  
Carl Sagan ..... 9:10 am  
Hans Bethe ..... 10:00 am  
Coffee Break ..... 10:50 am  
Philip Morrison ..... 11:30 am

Picnic and Kite Contest ..... 12:45 pm  
Kresge Oval  
Massachusetts Institute of Technology

### The Worlds of Philip Morrison

September 26 - 27, 1986

Name \_\_\_\_\_  
Address \_\_\_\_\_

I will attend the Symposium as follows:  
 Friday, September 26  
(Hyatt Regency Hotel)  
 Saturday, September 27  
(MIT Kresge Auditorium)

I will attend the dinner on Friday, September 26 at Walker Memorial. (Tickets for students are \$25 per person)

I will attend the picnic on Saturday, September 27 on Kresge Oval. Free for students.

Total enclosed: \$ \_\_\_\_\_

Please return this form by September 19 to:  
**MIT Conference Services Office**  
**Room 7-111**  
or stop by 7-111 in Lobby 7 and see Gayle Fitzgerald

# Excerpts from Noble's statement of claims against MIT

(Editor's note: The following contains excerpts from the "Statement of Claims" section of the deposition filed in Middlesex Superior Court on Sept. 9, 1986.)

## Violation of Mass. Civil Rights Act Freedom of Speech

... Plaintiff has the right to free speech guaranteed by Article 16 of the Massachusetts Constitution Declaration of Rights.

Defendants' actions ... including defendants' refusal to grant plaintiff tenure on the basis of his exercise of free speech and academic freedom rights, attempted to interfere, and did interfere, by means of threats, intimidation or coercion, with plaintiff's right to free speech, in violation of Mass. General Law, Chapter 12, Section 11.

Defendants' actions have directly and proximately caused plaintiff loss of income, employment benefits, and other financial losses, and damaged his professional reputation.

## Breach of Contract - Violation of MIT Policy and Procedures

... Defendants violated plaintiff's contract with MIT as an associate professor in refusing to award him tenure by:

- (a) Denying plaintiff tenure on the basis of criteria other than those established by MIT policy, procedure, and rule.
- (b) Denying plaintiff tenure on basis of his public speech on matters of public importance, which violated his right to free speech guaranteed him by defendants.
- (c) Denying plaintiff tenure on the basis that his scholarly writings were critical of MIT as an institution, which violated his right to academic freedom guaranteed him by defendants.
- (d) Denying plaintiff tenure on the basis of false statements about his scholarly work made by Reintjes, who had an improper motive in making such false statements and whose evaluation was improperly considered in MIT's tenure review of Noble's work.
- (e) Failing to comply with MIT practice and policy so as to provide Noble with an appointment of one year as an untenured faculty member after he was denied tenure.
- (f) Denying Noble any review or appeal procedure in violation of the American Association of University Professors 1982 Recommended Procedural Standards.
- (g) Refusing to provide Noble with a statement of the specific reasons that the Science, Technology, and Society Program faculty refused to put his name forward for tenure, in violation of AAUP Recommended Procedural Standards.

As a result of defendants' breach of contract, MIT refused to award tenure to plaintiff and terminated his employment contract with MIT.

The denial of tenure to plaintiff and termination of his employment caused him loss of income, employment benefits, and other financial losses, and damaged his professional reputation.

## Breach of Implied Covenant of Good Faith and Fair Dealing

Plaintiff's contract with MIT as an associate professor contained an implied covenant of good faith and fair dealing.

Defendants' denial of tenure to plaintiff on the basis of criteria other than the established tenure criteria, and on the basis of impermissible criteria, such as the plaintiff's exercise of free speech and academic freedom rights, constituted a breach of this implied covenant of good faith and fair dealing in that:

- (a) Such actions violate the public policies of freedom of speech and academic freedom.
- (b) Such actions violate community standards of fairness and fair dealing.

## Interference With Advantageous Relationship

[Professor Emeritus J. Francis Reintjes intentionally, deliberately, maliciously, and in bad faith interfered with plaintiff's advantageous business relationship with his employer MIT by, *inter alia*, making false statements about the accuracy and completeness of plaintiff's scholarly work to the tenure committee and, upon information and belief, to the tenured STS Program faculty with the purpose and intent that such false statements cause the committee and the tenured STS Program faculty to deny plaintiff tenure.

Reintjes' actions constitute delib-

erate interference with plaintiff's advantageous business relationship with MIT.

Reintjes' interference with plaintiff's business relationship caused plaintiff a loss of income, employment benefits, and other financial benefits, and damaged his professional reputation.

## Negligence

During the period of time plaintiff was employed by defendant MIT as an associate professor, MIT owed plaintiff a duty to use due care in evaluating him for promotion to a tenured faculty position and in making all other decisions regarding plaintiff's retention, promotion, or tenure as a faculty member.

Defendants breached this duty of due care to plaintiff in, *inter alia*, the following ways:

- (a) Failing to assure that the tenure review process would be implemented free of impermissible considerations such as consid-

erations of plaintiff's exercise of rights of free speech and academic freedom.

- (b) Violating MIT policies and procedures and recommended procedures of the AAUP.
- (c) Failing to provide plaintiff a statement of reasons for denial of tenure.
- (d) Failing to provide plaintiff any review of appeal procedure regarding MIT's decision to deny him tenure.
- (e) Failing to appoint plaintiff to a one-year term as an untenured associate professor after denying him tenure.

Defendants' breach of the legal duty of due care has directly and proximately caused plaintiff a loss of income, employment benefits, and other financial benefits, and damaged his professional reputation.

## Defamation

Reintjes made false statements that Noble's scholarly work was

not accurate and was not a complete and professional history of the development of the technology of numerical control to the tenure committee, and upon information and belief, to the tenured STS Program faculty.

Reintjes made such false statements with knowledge that they were false, with malice, and with the intention to injure Noble in his profession and business and to damage Noble's reputation as an historian.

Reintjes' actions directly and proximately caused plaintiff a loss of income, employment benefits, and other financial benefits, and damaged his professional reputation.

Wherefore plaintiff requests that he be granted the following relief:

- 1) That this court order defendants MIT and [President Paul E.] Gray to appoint plaintiff to the position of tenured associate professor in the School of Humanities, retroactively effective to Feb. 1984.

2) In the alternative, that this court order defendants to reconsider plaintiff's candidacy for a position of tenured associate professor in the School of Humanities free of such impermissible considerations such as plaintiff's exercise of his rights of free speech and academic freedom.

3) Compensatory damages in the amount of \$500,000.

4) Damages in compensation for injury to plaintiff's professional reputation in the amount of \$500,000.

5) Damages for mental anguish and pain and suffering.

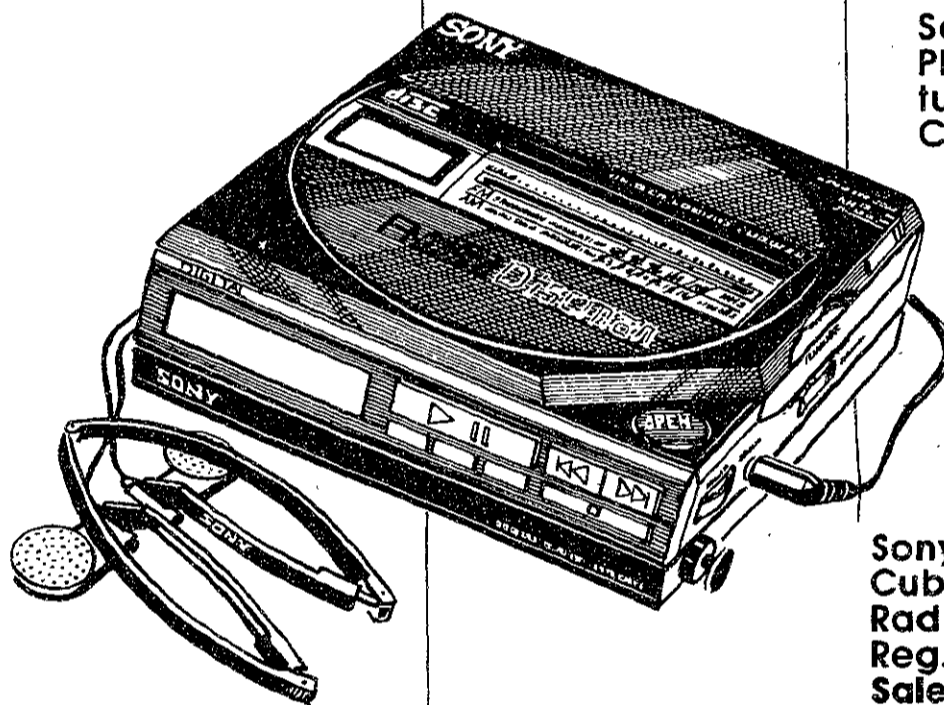
6) Punitive damages in the amount of \$500,000.

7) The attorneys' fees and costs plaintiff incurred in bringing this action.

8) Such other relief as this court deems just and proper.

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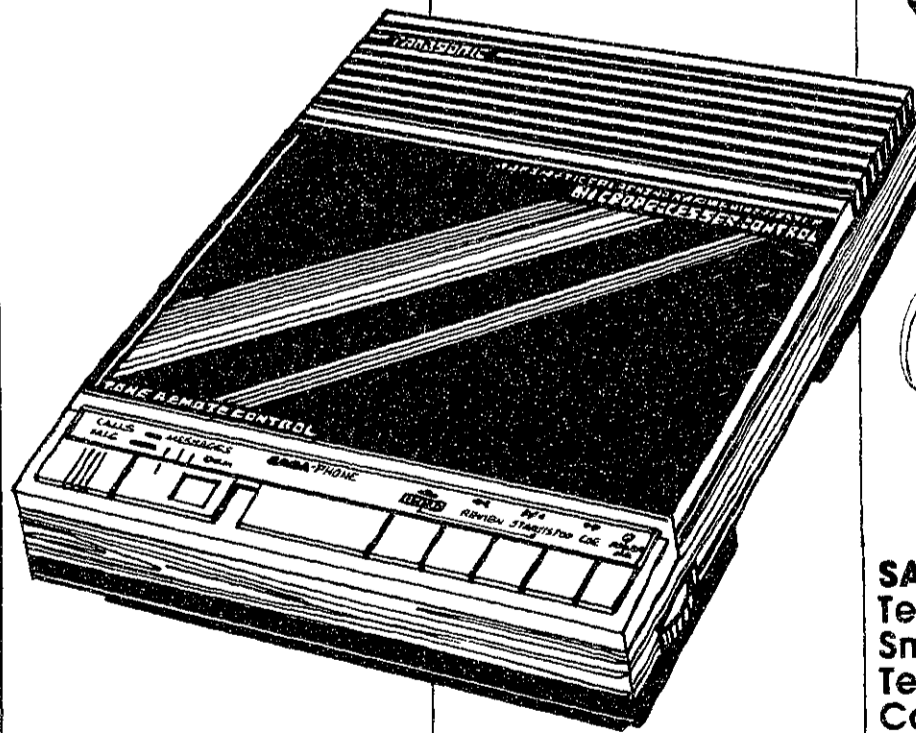


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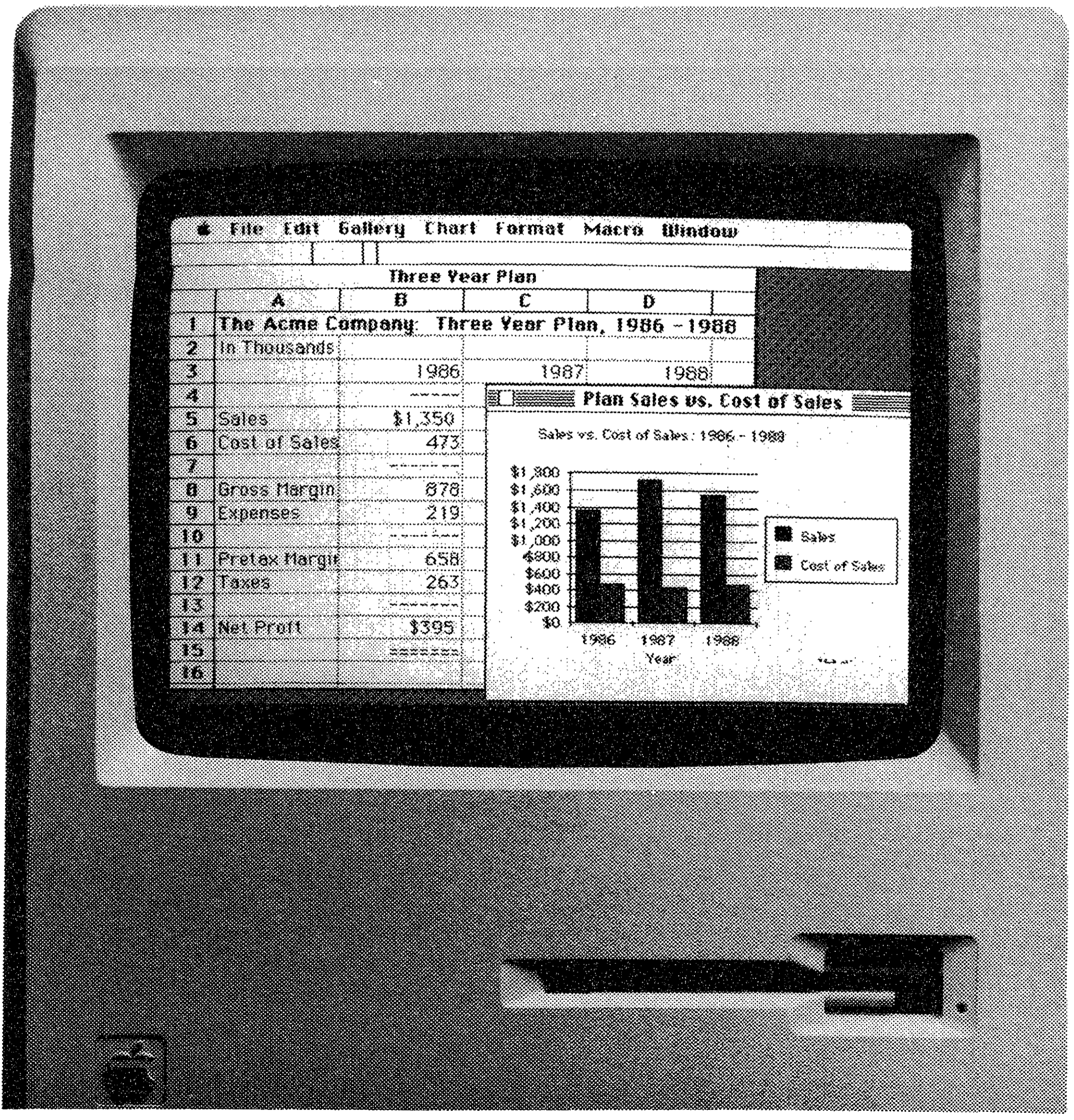
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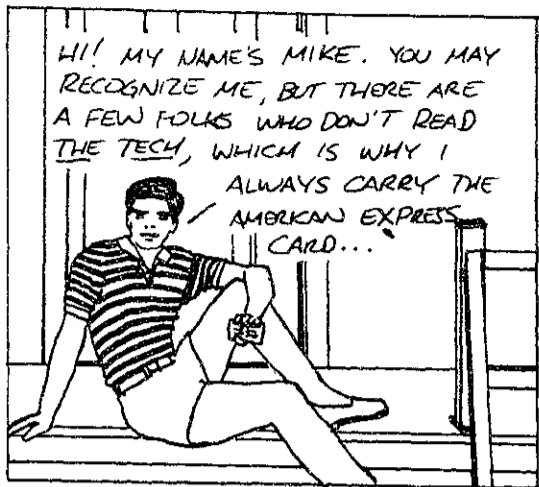
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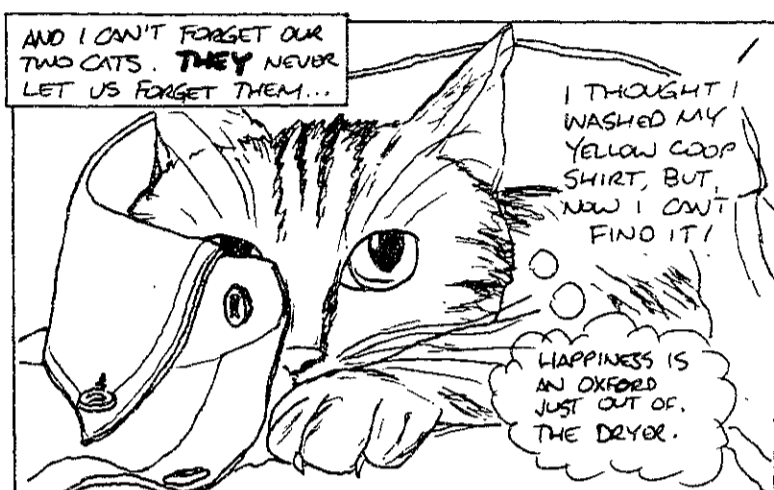
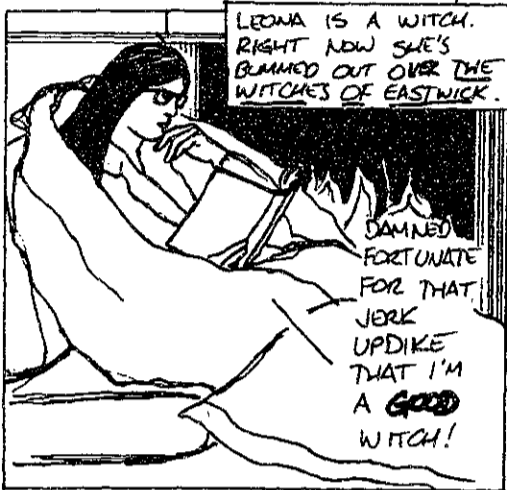
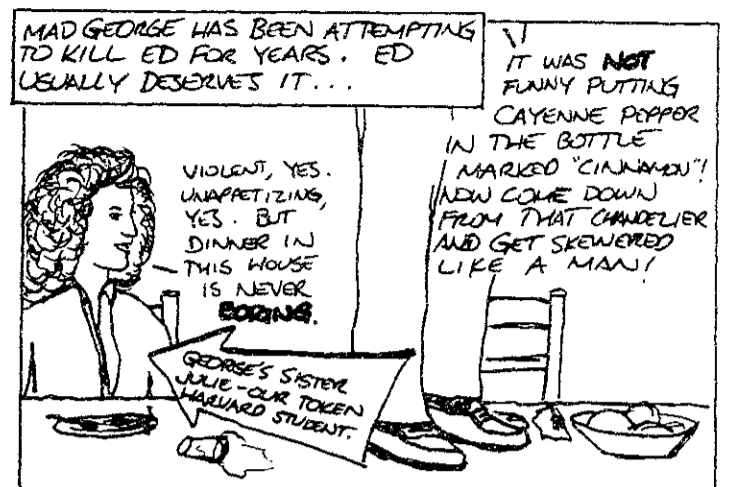
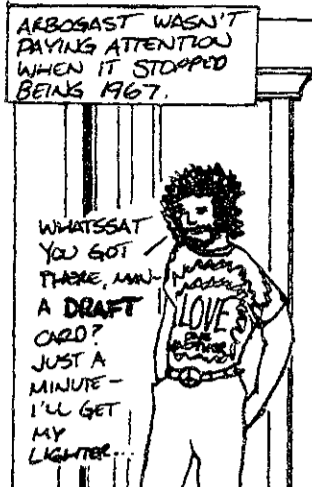


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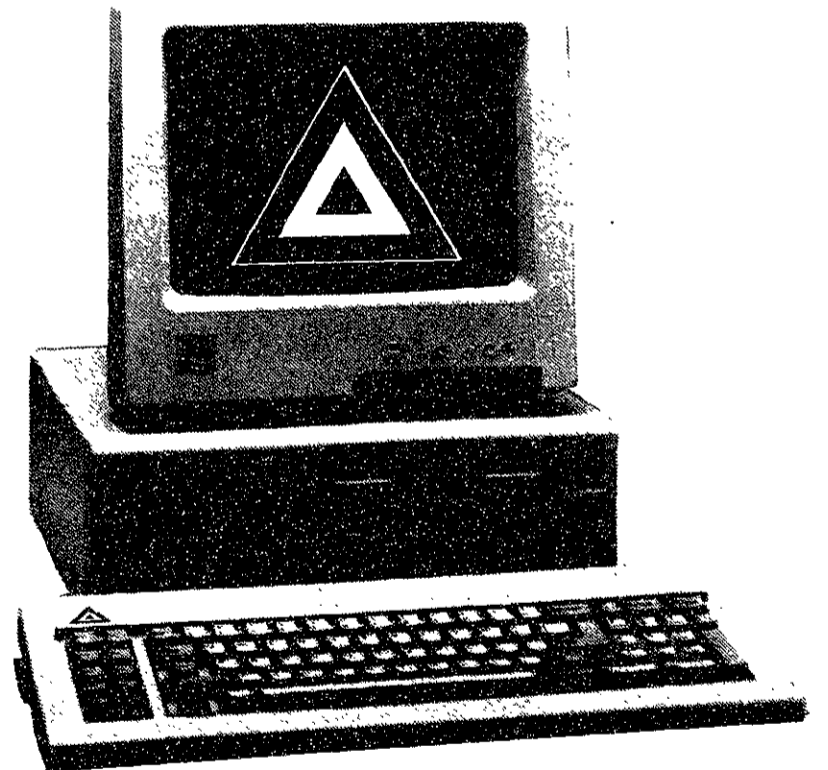
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# Laws hinder search for dorm

(Continued from page 1)

year to plan and another year" to do the work. The development time, he asserted, "would be cut at least by a year."

The type of building is also an issue to be resolved. "Apartments are the desired kind of thing," Dickson said. However, MIT would "like to do mixtures [of] singles and apartments."

### Problems with parking

"Some of our sites are [legally] committed to ground parking," Dickson warned. He explained

that a condition for operating many dormitories is the provision of a legally specified amount of parking. If more rooms are added, Dickson said, more parking will also have to be added.

As an illustration, he described the addition of a 400 room dormitory. A possible condition attached to it might be the addition of 100 parking spaces, Dickson said. Since much of the potential land is now parking lot, the construction of a new building might take away from the available

parking space.

"We might have to replace the parking spaces," Dickson said. One way to do this would be to build a garage, but "garages are very, very expensive. MIT is proud that they have never had to build a garage to meet student parking requirements," he added.

The biggest problem, he explained, is the cost. "It costs eight to ten grand for one car to put it in a garage. Two hundred spaces adds \$2,000,000 to the project."

OPINION

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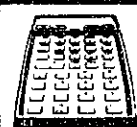
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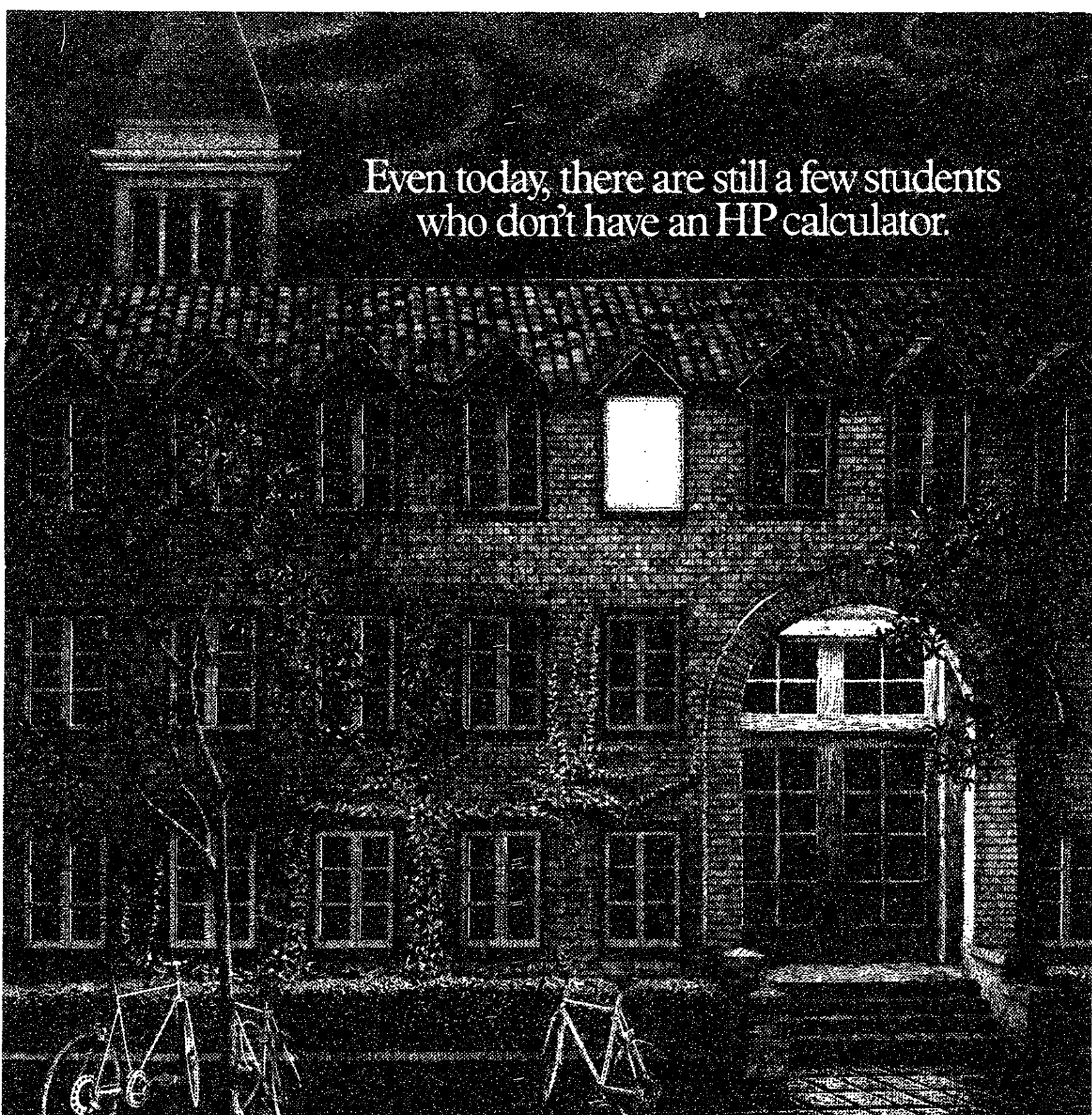
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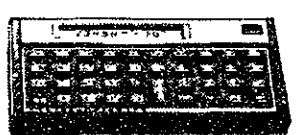
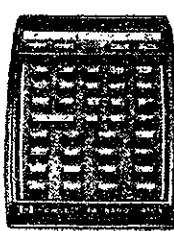
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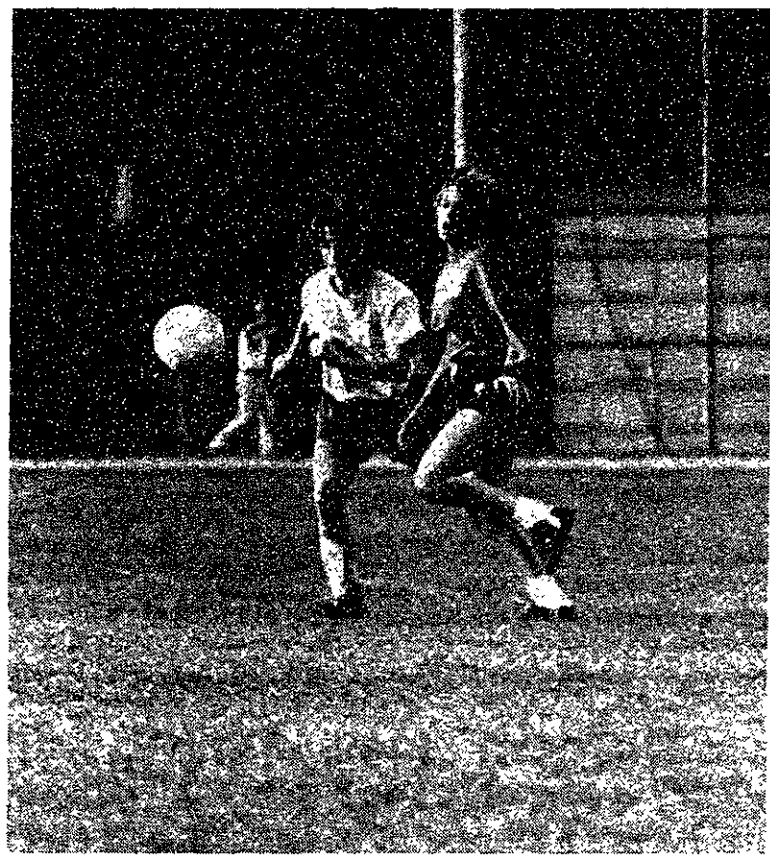
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Stephen P. Berczuk

An MIT player (left) scrambles for the ball during the women's soccer team's scrimmage vs. Boston University Wednesday afternoon. Their first game of the season is Tuesday at home vs. Colby Sawyer.

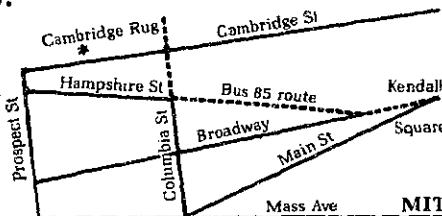
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# The Commission on Engineering Undergraduate Education (CEUE) UNDERGRADUATE EDUCATION BULLETIN BOARD

### ANNOUNCEMENTS:

- ★★ PAID POSITIONS AVAILABLE: The CEUE is looking for students to help analyze the results of freshman surveys on R/O Week just conducted in the last 2 weeks. If you're interested, call Robin Wagner, x3-8051.
- ★★ WHAT'S GOING ON AROUND HERE? Learn more about the curriculum reform effort. The relevant MIT Education Committee Reports are now in the Dewey and Humanities Libraries. Ask the reference librarians for them.

### EDUCATION QUESTION OF THE WEEK:

- ★★ STUDENTS: What types of educational experiments (subjects, programs, etc.) would you like to see MIT undertake? Call or write Robin Wagner, x3-8051, 1-211.

### EDUCATION COMMITTEES' UPDATES:

- ★★ Committee on Science Education — Last spring, the committee issued an internal report that considers changes to the Science Distribution (SD) & Chemistry/Math/Physics General Institute Requirements. The committee recommends a new list of SD subjects, limited to 2 or 3 per science school department. Each new SD should "exemplify the way science is conducted in its field," according to Professor Robert Silbey, Chair. Also recommended: the total number of SD units (now 36) should be reduced. This fall, the committee will evaluate the current Laboratory Requirement and possible alternatives.
- ★★ Committee on the HASS requirement — The committee has completed its final report and submitted it to the Dean for Undergraduate Education, Professor Margaret MacVicar. The report will be released by the end of September. The committee has adjourned.
- ★★ CEUE — By the end of September, the commission will issue a set of initiatives aimed at enabling the School of Engineering to realize the CEUE Goals of an Engineering Undergraduate Education, devised last spring. The CEUE is also working with the Course Evaluation Guide General Committee of the Undergraduate Association and Engineering School departments to design and conduct a more comprehensive review of undergraduate engineering subjects, to begin this fall.
- ★★ Committee on the Undergraduate Program (CUP) — In July, the CUP held a special week-long meeting to discuss the progress of and future plans for the curriculum review; and, to begin the reconciliation of the different proposals from the deliberating education committees currently under consideration. The CUP will continue this process in the fall.

Do you have comments or questions you'd like us to print? Send them to: The Undergraduate Education Bulletin Board, Rm 1-211, or call Robin Wagner, x3-8051.