



Reflections . . . Kresge Auditorium becomes a mirror for the clouds above the campus. Alice P. Lei/The Tech

New program lowers self-help level

By David W. Wu

MIT plans to introduce a new self-help program for low-income students starting next year, according to Director of Admissions Michael C. Behnke and Director of Financial Aid Leonard V. Gallagher '54.

The MIT Opportunity Awards Program will enable around 125 students in the lowest income category to receive grants and scholarships worth \$2500, \$2000 or \$1500.

The current level of self-help, which is the amount that students

Harvard Bridge to undergo \$15 million repair

By Wayne W. Wu

The Massachusetts Department of Public Works will undertake a two-year, \$15 million project to replace the currently dilapidated Harvard Bridge, said Scott Pickard, spokesman for the DPW.

Though the plan has been approved by the DPW, reconstruction has yet to begin. "It takes a long time to comply to the state and federal regulations involved," Pickard said.

The current plan calls for the reconstruction of the entire structure above the existing concrete piers. Funding for the project will be provided primarily by the federal government.

Earlier concerns that large vehicles such as public buses would add stress to the weakened bridge prompted the DPW to undertake a \$1.5 million renovation project which began last year and was recently completed this summer. This rehabilitation effort included the placement of additional steel beams to reinforce the bridge, enabling MBTA buses to safely continue service across the river.

The Harvard Bridge, built in 1892 as a joint venture between the cities of Cambridge and Boston, is owned by the Metropolitan District Commission. The current concrete structure was added in 1910 with few major renovations occurring since then.

Structural failure was first noted in 1983 when an inspection revealed that some of the hangars supporting the steel girders had deteriorated. At that time, traffic was restricted to the center two lanes.

(Please turn to page 19)

are required to obtain through loans and employment, is \$4900. The self-help level of students receiving grants under this program would drop to \$2400, \$2900, or \$3400, depending on the amount of the award as determined by the Financial Aid Office.

The program has a \$1 million budget, a quarter of which will be allocated to next year's incoming freshman class, according to Gallagher.

Upperclassmen will not be eligible for any of the program's funds because the program is only an experimental project designed to determine the effect of increased financial aid on the demographics of MIT, Gallagher explained. Also, if upperclassmen were eligible, the program would cost four times as much in the beginning, he noted.

To determine eligibility and the amount of the award, the Financial Aid Office will subtract parental contributions and the student's own assets, such as

summer earnings, from the total cost of tuition, room, and board. Students who demonstrate the most need will be eligible. The grant is renewable each year.

Behnke explained that the purpose of the program is to attract a greater diversity of students, including those from the lowest income levels. MIT does not want

(Please turn to page 18)

Carnegie gives \$1.1m for minority study

By Susan Seung-Eun Lee

MIT will embark on a two-year nationwide study on ways to improve education for underrepresented minorities, said Dean for Student Affairs Shirley M. McBay. Backed by a \$1.1 million grant from the Carnegie Corporation, MIT will produce a "Blueprint for Action" report at the close of the study, she said.

The Blueprint for Action will outline steps to improve minority education. Real results from this effort are not expected for at least a decade, McBay said. The Blueprint for Action will be distributed to various leaders and organizations in order to generate interest and funding for implementing the plan, McBay added.



Tech file photo

Dean Shirley M. McBay

EECS raises RA stipends for doctoral students

By Marcia Smith

The Department of Electrical Engineering and Computer Science will raise research assistant stipends for students who have

completed in the "Report of the Committee on the Length of the SM Program," a committee established in the fall of 1985 to study ways of decreasing the time students take to obtain an SM degree in the EECS department.

The average time students currently take to complete the SM degree in MIT's largest department is four and one-half terms compared to three and one-half terms twelve years ago, the report stated. Smith is hoping that "by raising the salary for doctoral students, it will be enough incentive to have them complete their work faster."

Joyce Palmer G, an EECS graduate student representative to the Graduate Student Council, is not sure that increasing stipends is going to help shorten the time to get the SM degree.

"The students aren't trying to drag out the time they spend here," Palmer said. Palmer attributed the length of the SM program to the amount of experimental work in the department.

"One has to make a proposal and do the experiment, and if it works then one has a thesis to write," she explained. "But if it doesn't, then one has to try something else. It can be difficult."



Tech file photo

Prof. Arthur C. Smith

completed the Master of Science degree, according to Arthur C. Smith, graduate officer of EECS. The increase will take effect June 1, 1988.

Beginning June 1, 1988, research assistants in the department of EECS who have completed the SM degree will receive a monthly stipend \$100 greater than those with only an SB degree.

The pay hike was originally

MIT plans \$550 million fund drive

By Thomas T. Huang

By 1989, MIT's operating budget is expected to top \$1 billion, three times what it was ten years ago. Even now its day-to-day operating expenses soak up funds that would otherwise be saved for the longer-term needs of faculty and students. In light of these growing financial concerns, MIT will announce on Oct. 22 an intensive five-year fund-raising drive to double the capital funds normally obtained in that time-span, according to MIT Corporation Chairman David S. Saxon '41.

In particular, Institute officials will seek \$550 million in contributions from foundations, industry, alumni and others, and they will concentrate on making a significant portion of that money come as unrestricted funds — money not tagged for specific purposes. These unrestricted funds would then be used to increase MIT's endowment — money invested to generate future income.

In 1987, only nine percent of gift and Industrial Liaison Program revenue was made available to be used at the Institute's discretion, according to the fiscal 1987 financial report released by James J. Culliton, vice president for financial operations.

The vast and unprecedented increase in the capital base, Saxon said, would be targeted at the core of MIT's needs: faculty support, undergraduate and graduate student financial aid, academic programs, new research initiatives, and the purchase and upgrade of facilities.

Saxon and Kathryn W. Lombardi, executive assistant to the president, expounded on some of MIT's priorities:

- An increase in faculty support — including more endowed chairs — will aid MIT in the recruitment of new faculty and the retention of current faculty. Young professors particularly need support, because they must often "hit the ground running" in order to come up with research funding, Lombardi said.

- MIT will use funds to help professors pursue research that is so new that industry hesitates to provide funding.

- With more financial support for students, MIT could lower the self-help level and continue to attract graduate and undergraduate students regardless of their financial background.

- MIT needs funds to develop such facilities as new graduate housing and a new science complex including biology, physics and applied biology in the area of 31 Ames Street. Currently, MIT has to use operating revenues to purchase academic plant, according to the financial

(Please turn to page 17)

McBay said MIT was chosen for the project because of its long-term interest in the education of minority students and because it is a strong academic base. She said it was not because of the "Report on the Racial Climate at MIT" that the Minority Student Issues Group produced last year.

McBay chaired the 15-member Resource Group that wrote the proposal to the Carnegie Corporation and that will guide the executive director of the project. The Resource Group consisted of leaders in education from across the nation.

Interviews for an executive director are underway, and one should be selected by the end of this month, McBay said.

In addition to the executive di-

(Please turn to page 7)

inside

MIT is removing asbestos from buildings under renovation. Page 2.

Ian McKellen: an evening with Shakespeare. Page 10.

Fatal Attraction degenerates into Friday the Thirteenth. Page 11.

Asbestos removed from buildings

By Jinnie Jung

Asbestos — a silicate material used for insulation and fire prevention — is being removed from the Student Center, Tang Hall, and Nabisco Laboratory. The effort is part of an ongoing project at MIT to remove asbestos from MIT buildings undergoing renovation, according to Dr. Alan Ducatman, director of the Environmental Medical Service at MIT.

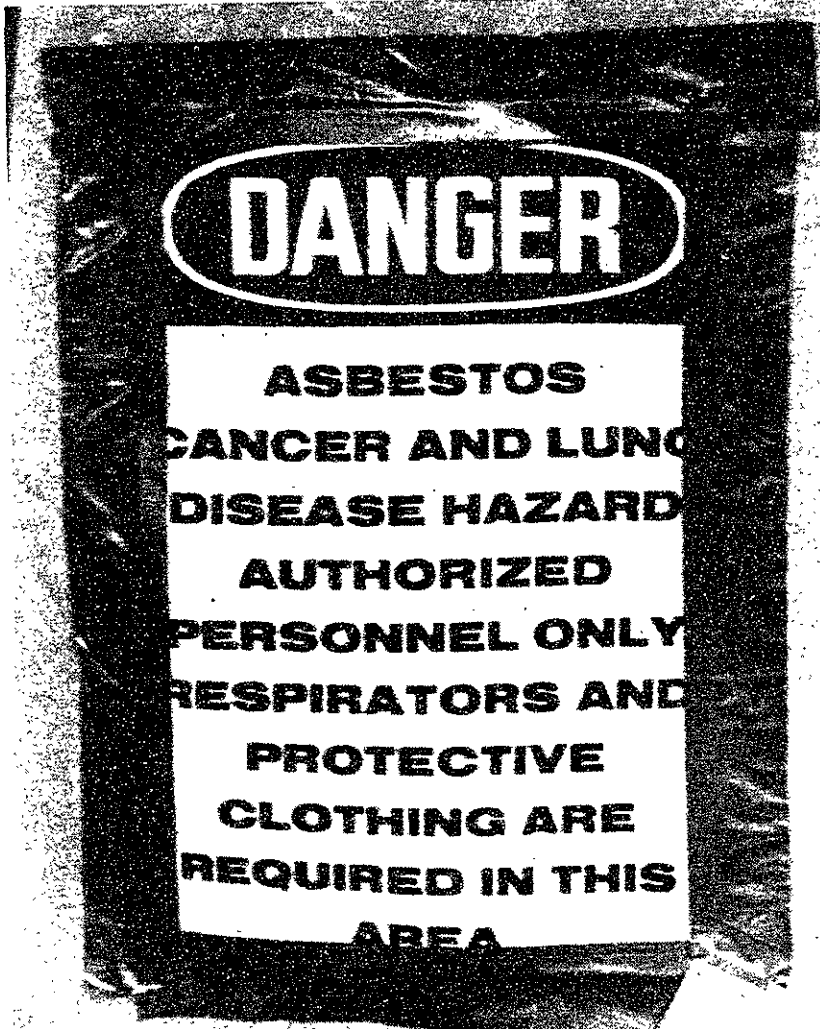
Research in the last two decades has revealed that prolonged, intense exposure to asbestos is hazardous, leading to various diseases such as asbestosis, mesothelioma, and lung cancer.

But the risk of the asbestos at MIT is "unmeasurably small," said Robert Cunkelman, Student Center renovation project engineer. Asbestos exposure on the MIT campus is much less hazardous than cigarette smoking, Ducatman added.

Asbestos removal is usually driven by renovation work because many places in the building are inaccessible under normal operations of the building, explained Cunkelman. He cited the asbestos-covered chase, in the east side of the Student Center, which was not accessible until the renovation took place.

Buildings generally contain two types of asbestos, Cunkelman

(Please turn to page 18)



Sarath Krishnaswamy

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news roundup

from the associated press wire

World

Reagan rejects limits on Persian Gulf policy

President Reagan yesterday indicated he will not act on congressional suggestions that limits be placed on US forces in the Persian Gulf. The President said he considers "this incident as closed." The White House issued a formal reply to calls for implementation of the War Powers Act. Under that law, Congress has power to bring troops home sixty days after forces are committed.

Upbeat words from Shultz-Shevardnadze meeting

The US and the Soviet Union have agreed to work together to implement a UN resolution calling for a ceasefire in the Iran-Iraq war. That word comes from Secretary of State George P. Shultz PhD '49, who got together with Soviet Foreign Minister Eduard Shevardnadze in New York yesterday. The two also agreed to meet again a month from now to plan a Washington superpower summit.

But the Soviets have announced no change in their opposition to the US call for a mandatory arms embargo against Iran.

Navy transfers Iranian prisoners

The Pentagon says the 26 surviving crewmen of an Iranian ship that was attacked and disabled by US helicopters earlier this week have been transferred to a second navy ship bound for Oman. They are expected to be turned over to the Red Crescent Society, the Islamic equivalent of the Red Cross.

Gemayel calls on foreign powers to quit Lebanon

Lebanese President Amin Gemayel said yesterday that his nation is a "haven for terror." Speaking before the UN General Assembly, he asked Israel, Syria, and Iran to take their troops out of his country. Gemayel's government has been severely weakened recently. Syria has thousands of troops in Lebanon, and has become the main power broker there.

Teen pilot appeals for pardon

The West German teenager sentenced to four years in a labor camp for landing a light plane on Moscow's Red Square wants out. The Soviet news agency Tass reports that Mathias Rust has appealed for a pardon. There's been some speculation he might win an early release as Soviet authorities try to rid themselves of the embarrassing case.

Nation

Biden wraps up campaign

Sen. Joseph R. Biden (D-DE) traveled to New Hampshire yesterday, a day after dropping out of the presidential race, to talk to the people who had hoped to start him on the road to the White House. He met with campaign staffers and key supporters to discuss the abrupt end to his presidential effort.

Biden dropped out of the race Wednesday after damaging revelations about his law school career compounded problems he had been facing because of lifting campaign speeches from other politicians.

Biden sidestepped suggestions he might mount a 1992 White House bid, but at his national headquarters in Delaware, staffers were answering the phones with an optimistic "Biden '92."

Inaction on national debt limit stops US borrowing

Taking "stock in America" has become an impossibility for the time being. That's because the Treasury Department has suspended the sale of savings bonds for the third time this year. The reason has been the same in each case — legislation to raise the national debt hasn't been signed into law. It's not clear whether President Reagan will veto the measure. He objects to it because it's attached to provisions for a new deficit reduction plan he doesn't like.

Broadways dims lights to honor Fosse

The "Great White Way" went dim last night. All the lights on Broadway's marquee were lowered at 8:00 in memory of Bob Fosse. The award-winning choreographer and director died Wednesday night of a heart attack on a Washington street near National Theater — where his production of *Sweet Charity* was opening. The lights at National Theater were also dimmed last night.

Protestors, strikers fail to deter nuclear test

Peace protestors and strikers mingled outside the main gate of a Nevada nuclear test site yesterday as an atomic weapon was detonated underground. The test went on even though more than a third of the 8300 workers at the site honored picket lines set up by striking Culinary Union workers and bus drivers. The test, which had an explosive force of 150,000 tons of TNT, sent a shudder through tall buildings in Las Vegas, 105 miles away.

Students learn about life without the Constitution

How would you feel if your rights were taken away without explanation and you were punished by authorities for no reason? Some junior high school students in Mountain Home, AK, described the feeling as "awful" and "like being in a kid prison." It was all part of an exercise in constitutional rights that the school sprang on the students without notice.

Local

Boston school system might hire its own bus drivers

Boston School Superintendent Laval Wilson says he has an idea for how to get students to school. There is no end in site to the strike by school bus drivers. But Wilson this afternoon proposed that the city hire its own driver and get out of its contract with private bus companies. That plan would have to be approved by a majority of the school committee at a meeting next Tuesday night. A spokesman for the bus drivers called the proposal a union-busting effort.

Boston Edison says Pilgrim nuclear plant is ready

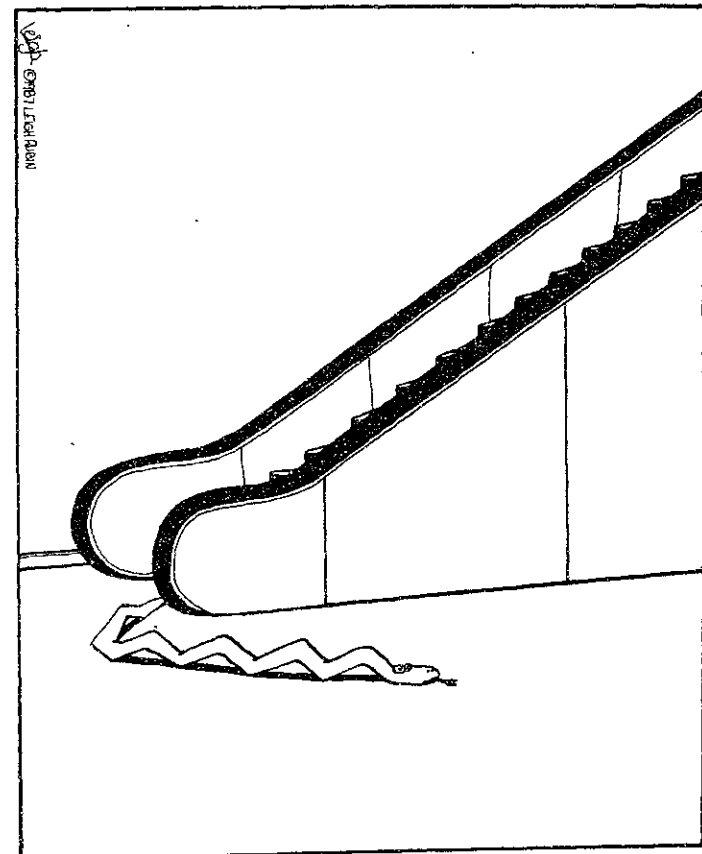
Boston Edison officials say they have fixed problems at the troubled Pilgrim nuclear power plant in Plymouth and can open it in eight weeks. But the Federal Nuclear Regulatory Commission says it will take longer. The NRC officials said following a meeting with Edison officials today that they will take a close look at Pilgrim before allowing it to start generating electricity again.

Historical building becomes condo

A Civil War-era school building in Providence will soon become condominiums. American properties of North Kingstown plans to start work on the former Willow Street school building in October. Charles Gifford of American Properties says the architectural integrity of the building will be preserved. The red-brick Victorian schoolhouse in the city's armory neighborhood was last used as a school in 1981.

Rubes®

By Leigh Rubin



GOP wants time to study Universal Health Care Bill

Republican lawmakers say they will try to put the brakes on quick passage of Governor Dukakis' Universal Health Care Bill. House Minority Leader Steve Pierce and four other GOP lawmakers told a statehouse news conference today that they will push for a three-month extension on the current health care financing law that expires next Wednesday. They say the extra time is needed to study Dukakis' plan. Pierce also said members of the minority party will seek to divide Dukakis' package into two parts. The sections dealing with hospital charges could be dealt with first, and the sections calling for a new health care partnership super-agency to oversee universal health could be dealt with later.

Scabs are unwanted

Striking New England Patriots players yesterday afternoon tossed eggs and a beer bottle at replacement players who have crossed picket lines to practice for the team. The incident occurred at a hotel where the replacement players are staying. It was the first example of violence involving striking Patriots. Elsewhere in the NFL there have been scuffles and shouting matches.

Patriot's wide receiver Irving Fryar jumped up and down on the rear bumper of Offensive Backfield Coach Bobby Grier's car as Grier arrived at the hotel with some of the new players. When the passengers were getting out of the car, Patriots' nose tackle Toby Williams threw a beer bottle that landed a few feet away. New England's player representative, Lin Dawson, immediately tried to restore order, warning his teammates, "We're going to have some problems with that glass throwing." More trouble erupted when replacement wide receiver Larry Linne appeared wearing Fryar's team jersey. Fryar shouted Linne, "Take off my jersey." Linne replied that he had told the coaches he did not want to wear Fryar's number.

Sports

NFL strike likely to drag on

With hopes of a quick settlement now dashed, the National Football League yesterday called off 14 games scheduled for Sunday and Monday because of the players strike. NFL owners have said play would resume the first week of October, using replacement players. The owner's chief negotiator said six to eight weeks of tough bargaining remain, even if the key issue of free agency is worked out.

Weather

Cool 'n quiet

High pressure building in from the Great Lakes will give us a rather nice weekend. With the exception, perhaps, of a few (believe it or not) snow flurries in far northern Maine, New England weather should be mostly sunny and dry. In fact, if you plan to do any travelling, from the Blue Hills of Southeastern Massachusetts to the White Mountains of Vermont and New Hampshire, conditions should be very good. If you enjoy sunny mild fall weather, this weekend's for you.

Today: Sunny with a few puffy cumulus clouds developing by midafternoon. Breezy and cool. High 62° F (17° C).

Tonight: Clear to partly cloudy and very chilly. Lows around 45° F (7° C) in Cambridge, 30s in the normally colder suburban locations.

Saturday: Mostly sunny and a bit milder. High 65° F (18° C), low 51° F (11° C).

Sunday: Mostly sunny with some high cloudiness. High 68-71° F (20-22° C). Low 55° F (13° C).

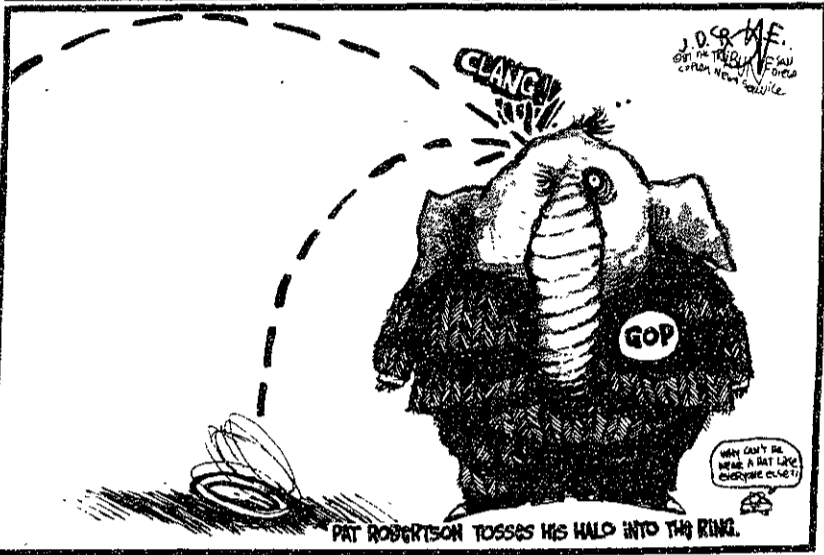
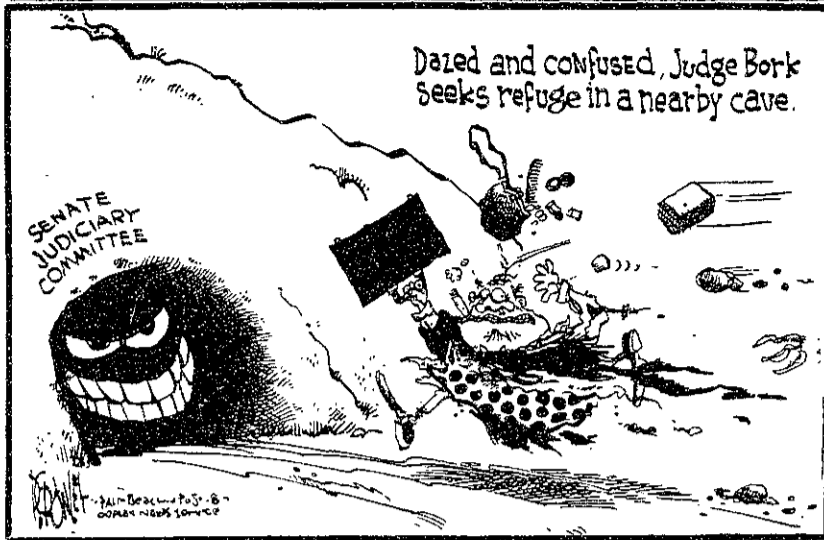
Monday: Milder. High in the 70s (20-25° C).

Forecast by Michael C. Morgan

Compiled by Niraj S. Desai

opinion

feedback



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Do not defend Bork with rhetoric

To the Editor:

Mr. Saeger, I, too, have been watching the Bork confirmation hearings with great interest. What interests me more, though, is the "logic" portrayed in your column ["The logic of an 'aborktionist,'" Sept. 22]. In it, you said concerning Senator Edward M. Kennedy, "I am glad that you have not felt compelled to rely strictly on the facts for your attacks" on Robert Bork. Indeed, I think that it is you who has strayed from the facts.

By calling Kennedy and his supporters "aborktionists," you seem to imply that all those who oppose Bork's nomination are supporters of legalized abortion. It is ridiculous to make such a generalized assumption which is based not in fact, but rather in your distorted view of the situation.

At the same time that you support your argument with positive, factual reasons, you resort to tearing apart the opposition through sarcastic and biting remarks. Any greenhorn debator will tell you that this type of attack proves nothing and discredits the attacker.

You sarcastically advise Kennedy, "Do not be taken in with Bork's justifications of his statements." Indeed, that is just what they are, justifications, not evidence. Bork has relied not on precedent and fact, but rather on his own personal opinions and ideology, to explain his positions on many pertinent issues. A Supreme Court Justice who ignores precedent is something this country and its Supreme Court cannot afford, not now or ever.

You claim that the Supreme Court case *Griswold v. Connecticut* created, in Bork's opinion, "a dangerously vague right to privacy." To say that an individual's right to personal privacy is "dangerous" is surely in direct opposition to the liberty right guaranteed in the Constitution. The Supreme Court recognized this right in deciding *Griswold*, and Bork's willingness to declare them wrong proves how dangerous it would be for him to be on the Court.

Kennedy, you say, "made the mistake of conceding that Bork

supported the 1954 desegregation decision" *Brown v. Board of Education*. Bork does support the decision, but only because not supporting it would be suicidal to his career as a judge. The logic with which he justifies his opinion is so convoluted and in opposition to the logic he has used when deciding other cases that one cannot help but conclude that he does not truly

believe what he is saying.

Senator Howard Metzenbaum did not, as you claim, forget that Bork was cleared of any wrongdoing in the firing of Archibald Cox. Instead, he was simply attempting to thoroughly explore every aspect of Bork's record; this is, after all, the purpose of the hearings, is it not?

Finally you write, "All we have (Please turn to page 5)

MIT should create accessible indoor facilities for smokers

To the Editor:

I am a smoker. I have abided with MIT's anti-smoking policy for some months now. This policy has resulted in considerable inconvenience for me, but I can sympathize with the contempt with which smokers are treated. As yet, the lack of indoor smoking lounges (Walker is not accessible via tunnels) has not been much of a problem. But, as the cold weather sets in, if MIT does not set up such facilities it will indicate a total disregard for smoker's rights.

Smoking is a bad habit — nearly everyone who smokes would like to quit. But it is not that simple. I was most annoyed at the condescending attitude taken by the MIT administration when this policy was initiated: "The Health Department will be running extra help quit smoking sessions."

The fact is that no one can force anyone else to quit smok-

ing. It is an addiction, sometimes likened in severity to a heroin addiction. The only way a person will quit smoking is with a lot of willpower and desire to quit. Coercion, condescension, and contempt are no help. And in my case, such measures backfire.

Many of those who have never suffered an addiction find it incomprehensible. Prejudice against smokers is fed, as is often the case with prejudice, by ignorance.

I hope that MIT will recognize that smokers are also a part of the MIT community, and will establish some facility for us. If not, if you see me bundled against the cold in January smoking on the steps of Building 2, please recognize that I have a few personality traits aside from my addiction — including respect for the rights of others, even while such respect is not extended toward me.

Carol Van Zoeren G

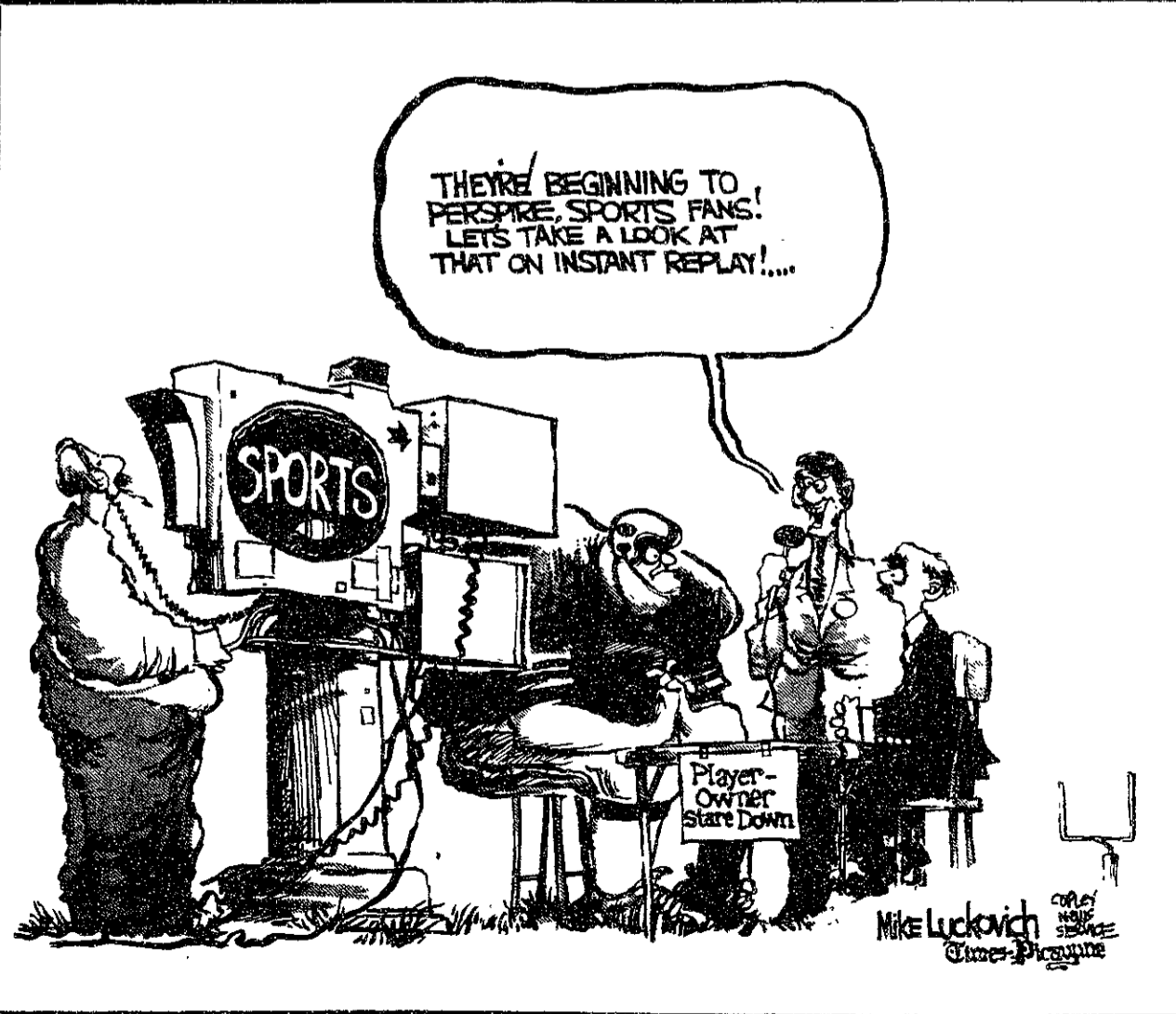
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Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without express prior approval of *The Tech*. *The Tech* reserves the right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



opinion



feedback

Bork would overturn previous Court decisions "willy-nilly"

(Continued from page 4)
to do is hope that the public does not take the initiative to review some of Bork's writings on its own." Well, I have reviewed his writings, and I have learned that Bork is a judge who, if given the chance, would leap into the Supreme Court overturning decisions willy-nilly.

I would like to keep the rights guaranteed to me by the Constitution and by two hundred years of Supreme Court precedent, and

I must therefore, on the basis of Bork's factual record as a judge and of the opinions he has shown himself to have, oppose his nomination.

Perhaps you might care to write your next column using the facts and evidence instead of sarcasm and wordy rhetoric. I would enjoy the opportunity to refute any so-called "facts" which you might use to prove Bork's worthiness to be a justice on the Supreme Court.

Jonathan I. Kamens '91

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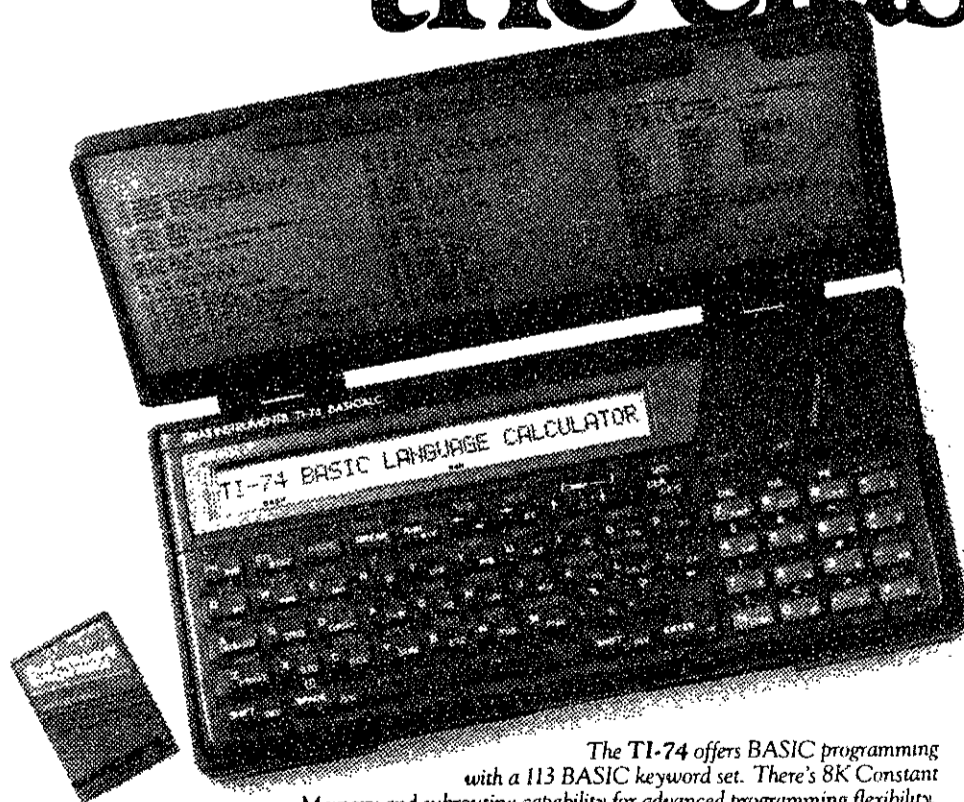
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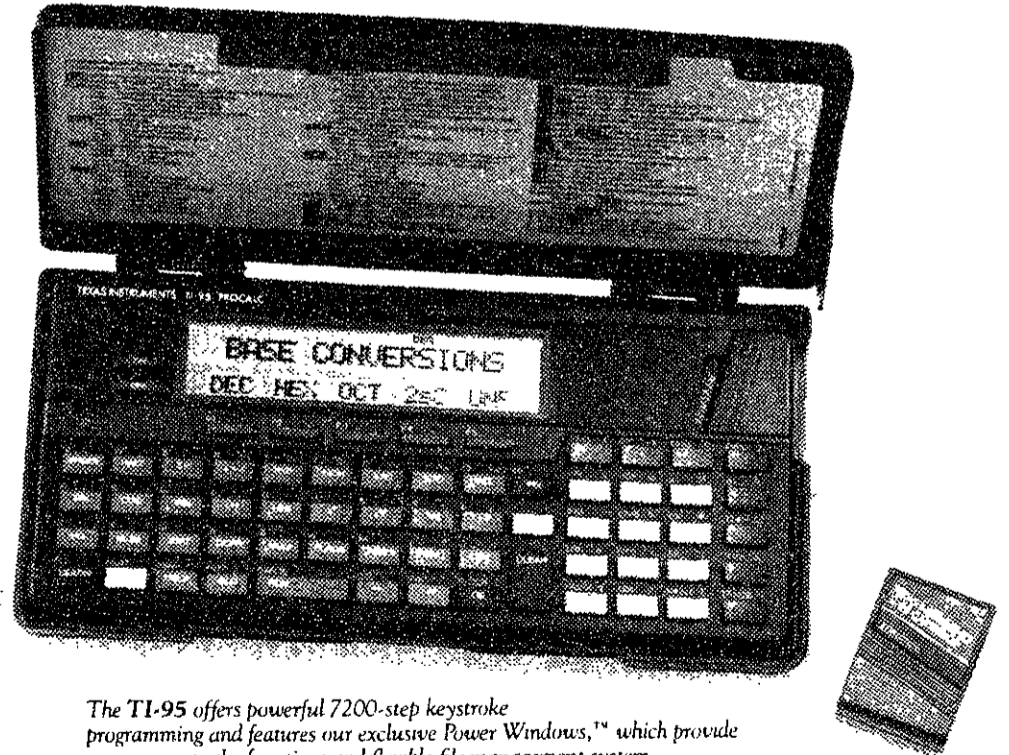
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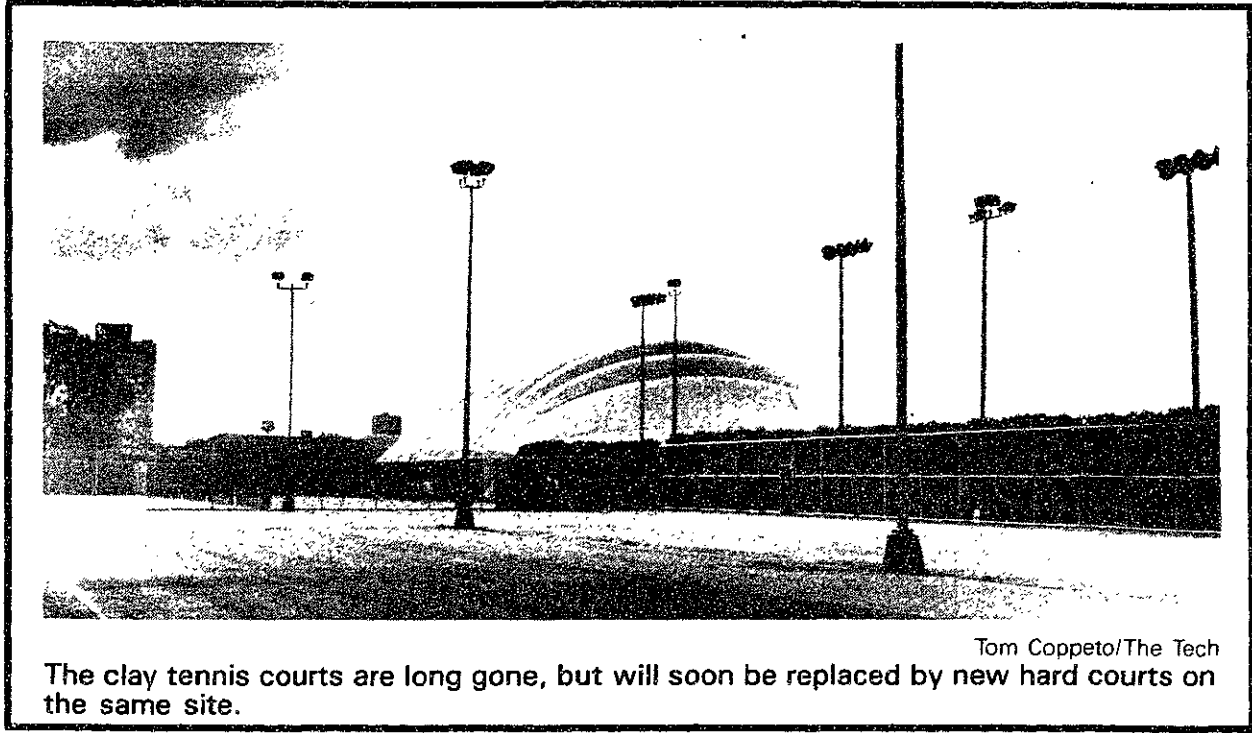
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Tom Coppeto/The Tech
The clay tennis courts are long gone, but will soon be replaced by new hard courts on the same site.

Carnegie gives \$1.1m to study minority education

(Continued from page 1)
rector and the Resource Group, a 33-member National Council for Quality Education for Minorities will also oversee the program.

According to the project summary, a key concern will be making higher education accessible to minorities and retaining minority students once they begin attending school. Another task is to increase the number of minorities receiving PhD's and receiving faculty positions.

The Blueprint for Action will also address the following issues, according to the project summary: the institutional environment for minority students at colleges and universities; education of various communities about the importance of higher education for minorities; academic and non-academic preparation of minority students; recruitment and training of minority teachers at the elementary and secondary school level; public policy regarding minority participation in higher education.

The underrepresented minorities are American Indians/Alaskan Natives, Blacks, Mexican

Americans, and Puerto Ricans. These are groups that have failed to participate actively in our high technology-based society, McBay said.

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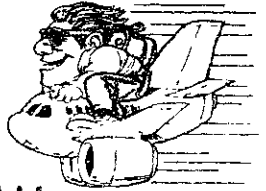


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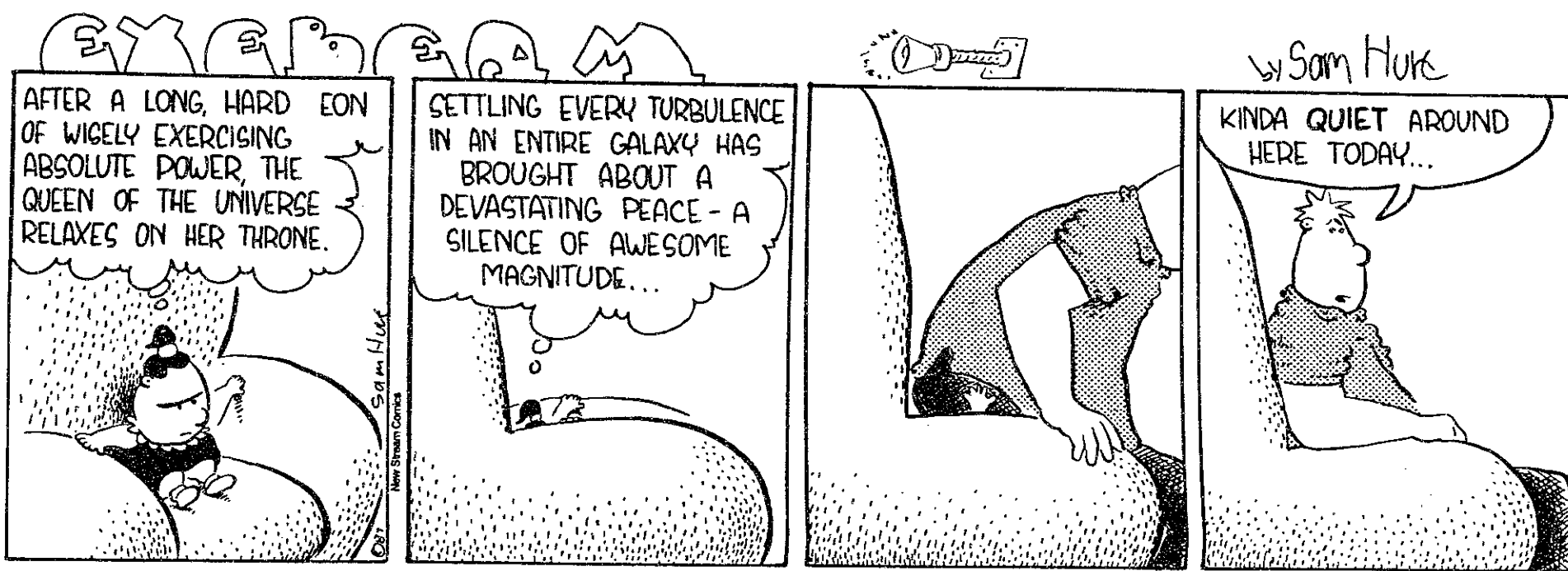
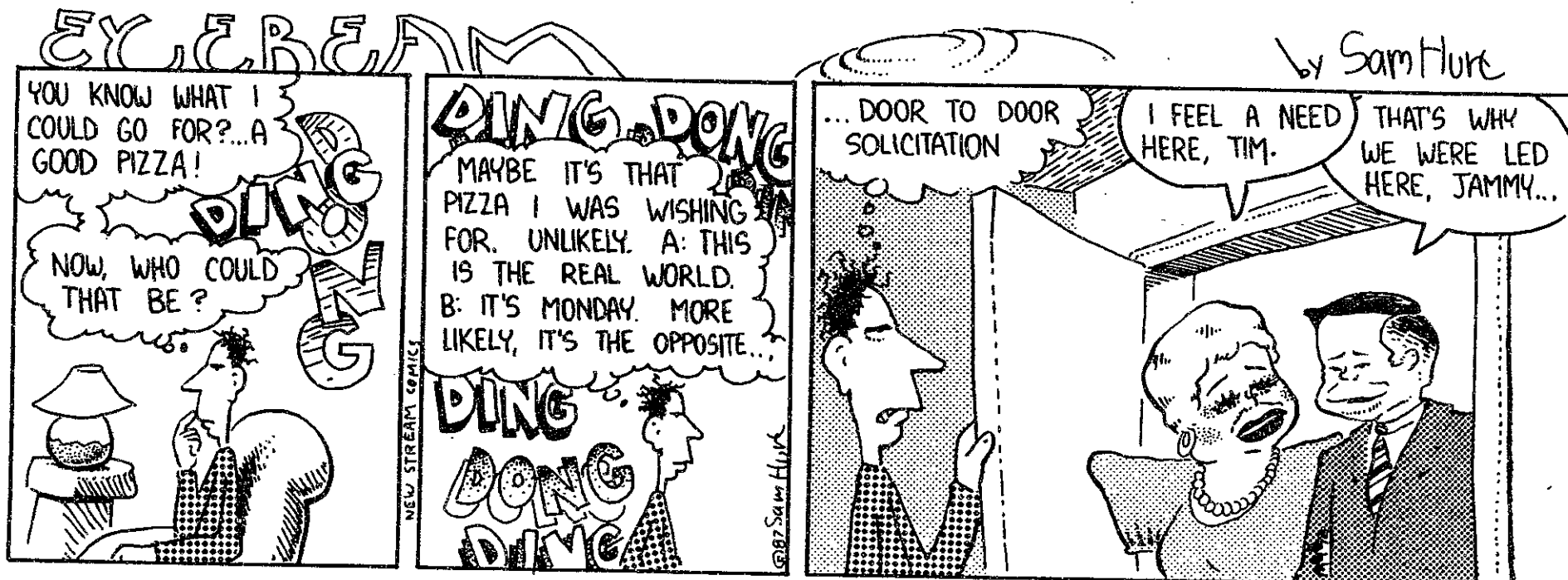
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R Monthly News R

SEPTEMBER 1987

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IAN McKELLEN
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At the Charles Playhouse until October 4.

By JULIAN WEST

ON THE FACE OF IT the one-person show is an actor's dream: control over what goes in, the opportunity to portray a dozen characters in an evening, and the audience's undivided attention. If you're doing Shakespeare you can monopolize the famous speeches, omitting the boring bits in-between.

Ian McKellen insists he had no real affection for the format until he was asked to put such a show together for the Edinburgh Festival in 1977. That was to become the Broadway hit *Acting Shakespeare* seven years later.

Acting Shakespeare is taken two ways. McKellen acts Shakespeare's plays; he also acts Shakespeare, or, at any rate, many of his acquaintances. This helps put the pieces into historical context, and gives a glimpse of the life of the world's greatest dramatist.

But of course the main event is the sequence of scenes which have been expertly selected for our entertainment: Macbeth, Jacques, Falstaff, Hamlet, Bottom, Prospero. . . all put in their appearances in this toccata for Shakespearean actor.

Which all sounds fairly highbrow and pedantic. What, are we in for a history lesson as well as an evening of Elizabethan monologue?

Not a bit. McKellen's manner is far from didactic as he converses with the audience, and seeks to involve them at every turn. At the beginning of the show, he invites auditors ("you're not spectators; they go to football matches!") to call out names of Shakespeare plays we have seen until all 37 are named. "You've done it!" he congratulates us heartily.

Shakespeare's life as related by McKellen's easy personal terms is quite engrossing. And Shakespeare's language, as



Ian McKellen

McKellen shows, was written "to be understood": simple, clear and beautiful.

Interspersed are a number of anecdotes from McKellen's own not uneventful life. He mentions Francesca Annis, Peter Shaffer, John Gielgud, Vanessa Redgrave and a fair number of others encountered while starring in roles at Stratford in the mid-seventies or in the West End (3 con-

secutive Best Actor awards).

As if this were not enough, while appearing in 21 undergraduate productions while at Cambridge, he managed to be a contemporary of Derek Jacobi, David Frost, Trevor Nunn, Peter Cook and John Cleese. There must have been some unforgettable performances in those days.

McKellen crams several unforgettable

performances into *Acting Shakespeare*. Perhaps the most remarkable is his Macbeth, who over the course of a sequence of speeches degenerates from a brash, confident soldier of commanding status (Timothy Dalton leaps to mind) into walking shadow of a man, broken and

(Please turn to page 15)

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ARTS

Fatal Attraction fails to explore consequences of adultery

FATAL ATTRACTION
Directed by Adrian Lyne.
Starring Michael Douglas,
Glenn Close, & Anne Archer.

By RICARDO RODRIGUEZ

DAN, HAPPILY MARRIED MALE lawyer, meets Alex, single, successful, female publishing executive. Two days in bed follow...

Such is the basis for the drama-thriller, *Fatal Attraction*. This film aspires to explore the severe repercussions that may result from seemingly "harmless" adultery. Appropriately, the two-night-stand occurs when Dan's wife and child are away viewing a prospective home in the country.

When it comes time for Dan's life to return to normalcy, Alex (Glenn Close) insists they continue to see each other, making Dan (Michael Douglas) extremely uneasy — as far as he's concerned the experience between Alex and he was a fling, and it's over. Alex doesn't think so and begins to torment Dan and his family. Inevitably, Dan must tell his wife what happened. And to make matters worse, Alex is pregnant and wishes to have the child.

If *Fatal Attraction* had clung to the subject of emotional impact of adultery, the film could have offered new insight. But as the title suggests, emotions are not the only things violated. Alex becomes increasingly crazy as the film progresses: at first it is only something eerie — maybe the way she dresses or the look in her eye. But as the story unwinds, Alex becomes a raging ghoul who would scare any living being, thus outstepping the bounds of normal behavior.

On the level of being a thriller, the film succeeds. It has plenty of tension and certainly a scary feel to it. But the finale is too reminiscent of the *Friday the 13th* series to merit any credibility. In the last scene, no one is surprised when Alex launches one final attack despite heavy injuries. Maybe Alex Forrest is a distant relative of the infamous "Jason."

As actors, Douglas and Close do their very best, almost as if they know the plot needs extra support. Particularly notable is Anne Archer, who plays Dan's wife, Beth. She is the strongest and most realistic character in the movie, and ultimately it is she for whom everyone cheers. During much of the film, Beth is completely unaware that Dan has had an affair, and the resulting ironies are heart wrenching. When Beth does finally learn about the affair, the audience's compassion is for her and not for Dan — the male — as it many times is in other films. Beth's outrage is welcome and justified — it is an exhibit of her strength.

The fact that Anne Archer is very good looking also helps one to ask, "Was this affair really worth it?" But Archer's character receives much less attention that it deserves: the pain and suffering of finding out about her husband is lost in the movie's climax.

A recurring theme of the film is the allegation by Alex that Dan used her, and having done so was prepared to throw her out like a used dish rag. This overused sentiment was flatly contradicted by the movie: to a great extent it was Alex who sought Dan, not vice versa. And when Dan made it clear he was married, Alex was unmoved, if not intrigued by the challenge. This made it very difficult to feel any sympathy for Alex when she claimed she was being abused.

On the male's side, Dan is not the slut-every-weekend scumbag, but neither is he the innocent seductee who was lost in the passion of the moment. His acceptance of Alex's advances is done so matter-of-factly that it's easily overlooked. Dan experiences no uneasiness, no reservations about cheating — it is as if he's done it many times, something that was surely not intended by the film.

Lack of substance emerges in many other ways. One example is in the very first scene, which is set at a pre-publishing book party. The entire party is a cheap parody, complete with one-liners and racial stereotypes. Such material simply has



Michael Douglas and Glenn Close in *Fatal Attraction*.

no place in a well-formed drama. Another example is the family dog, used often and without discretion as a source of comic relief. But canine comedy is decidedly unoriginal — if I wanted dog antics I could stay home and play with my own.

So if you liked *Halloween* or *Friday the 13th*, this movie might interest you, especially the last half. But if you're expecting a drama investigating the consequences of adultery, you'd better leave your slippers on.

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BANCHETTO MUSICALE

Beethoven *Symphony No. 7 in A* and Mozart *Flute Concerto in G*, K. 313 & *Piano Concerto in A*, K. 414 on Oct. 16. Handel "Acis and Galatea" on Nov. 6. Handel "Messiah" on Dec. 11 & 12. New Year's Day Gala on Jan. 1. Purcell "The Indian Queen" on Feb. 26. Haydn *Creation Mass* and Beethoven *Violin Concerto* on Apr. 8. Contact: PO Box 190, Cambridge, MA 02238. Telephone: 965-0165.

BOSTON CHAMBER MUSIC SOCIETY

Schumann "Fairy Tales," Martinu "Duo," & Dvorak *Piano Quartet in Eb Major* on Oct. 4 and 9. Durufle *Recitative & Variations*, Kodaly *Duo for violin & cello*, & Schubert "Trout Quintet" on Nov. 22. Haydn "Gypsy Trio," Bartok *Sonata for Two Pianos & Percussion*, & Brahms *String Quintet in G Major* on Jan. 8 and 10. Mozart *Piano Quartet in Eb Major*, Schumann *Piano Trio in d Minor*, & Dvorak *Sextet for Strings* on Feb. 5. Beethoven *String Trio in Eb Major*, Schonberg/Webern "Kammersymphonie," & Franck *Piano Quintet* on Feb. 28. Mozart *Piano Trio in E Major*, Mahler/Schonberg "Songs of a Wayfarer," & Dvorak *Piano Trio in f Minor* on Mar. 20. Beethoven *Piano Trio in Eb Major*, Schuller "Sonata Serenata," & Brahms *Clarinet Quintet* on Apr. 17 and 22. Contact: 295 Huntington Avenue Suite 309, Boston, MA 02115. Telephone: 536-6868.

BOSTON CLASSICAL ORCHESTRA

Mozart *Sinfonia Concertante for Wind Quartet and Orchestra*, K. 297b & *Symphony No. 39* and Bach *Little Fugue in g Minor* on Oct. 7 and 9. Metropolitan Opera mezzo-soprano Melissa Thornburn singing Mozart arias on Dec. 16 and 18. Concertmaster Robert Brink and violinist Harry Ellis Dickson in the Bach *Double Violin Concerto* on Feb. 3 and 5. Boston Symphony Orchestra piccolo player Lois Schaeffer playing a Vivaldi piccolo concerto on Mar. 16 and 18. Clarinetist Paulette Bowes in the Weber *First Clarinet Concerto* on May 4 and 6. Contact: 551 Tremont Street, Boston, MA 02116. Telephone: 426-2387.

BOSTON CONCERT OPERA

Beethoven's "Fidelio" on November 7 at Symphony Hall. "Victorian Christmas" on December 20 at the Lafayette Hotel. Franz Lehár's "The Merry Widow" on January 28 & 30, and February 3, 5, & 7 at John Hancock Hall. Verdi's "Nabucco" on April 10 at Symphony Hall. Contact: Box 459, Astor Station, Boston, MA 02123. Telephone: 536-1166.

BOSTON MUSICA VIVA

Brant "Homage to the Marx Brothers," Erb "The Devil's Quickstep," Schwertsik *A Transylvanian Symphony for Strings*, & Gruber "Frankenstein" on Halloween, Oct. 30. Garfein "Striptease," Spratlan "Coils," & Rands "Canti del Sole" on Nov. 20. Hoffer "The Nine Circles," new work by Russell, & Weill/Drew "War Play" on Mar. 18. Crumb "An Idyll for the Misbegotten," Lieberson "Raising the Gaze," Perle *Sonata à Quattro*, & Alexander "The Song of Songs" on May 6. Contact: 295 Huntington Avenue, Suite 203, Boston, MA 02115. Tel: 353-0556.

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Martino & Mahler on Oct. 2, 3, & 6. With violinist Malcolm Lowe; Haydn, Bruch, & Schumann on Oct. 8, 9, 13, 23, & 24. With pianist Murray Perahia; Henze & Beethoven on Oct. 15, 16, & 17. With pianist Cecile Licad; Dvorák, Husa, & Ravel on Oct. 29, 30, 31, & Nov. 3. Weber, Tchaikovsky, & Dvorák on Nov. 11, 12, 13, 14, & 17. With soprano Kathleen Battle; Poulenc & Mahler on Nov. 18, 19, 20, & 21. With pianist Peter Serkin; Brahms & Stravinsky on Dec. 3, 4, 5, 11, & 15. Strauss "Elektra" on Dec. 9 & 12. Haydn & Bruckner on Jan. 6, 7, 8, 9, & 12. With pianist Mitsuko Uchida; Mozart & Shostakovich on Jan. 14, 15, 16, & 19. Dukas, Haydn, & Sibelius on Jan. 20, 21, 22, 23, & 26. With violinist Cho-Liang Lin; Mendelssohn & Lutoslawski on Jan. 28, 29, & 30. Stravinsky, Haydn, & Strauss on Feb. 10, 11, 12, 13, & 16. With soprano Sylvia McNair & baritone Jerma Hyninen; Brahms *A German Requiem* on Feb. 17, 18, 19, 20, & 23. With violinist Shlomo Mintz; Pfitzner, Tchaikovsky, & Beethoven on Feb. 25, 26, & 27. With cellist Yo-Yo Ma; Haydn, Shostakovich, & Beethoven on Mar. 2, 3, 4, & 5. With clarinetist Harold Wright & bassoonist Sherman Walt; Strauss & Bruckner on Mar. 10, 11, & 12. With pianist Viktoria Postnikova; Rimsky-Korsakov, Prokofiev, & Stravinsky on Mar. 17, 18, 19, & 22. Haydn & Schnittke on Mar. 24, 25, & 26. With violinist Gidon Kremer; Mussorgsky, Gubaidulina, & Ravel on Mar. 30, 31, Apr. 1, 2, & 5. Mendelssohn on Apr. 7, 8, 9, & 12. With violinist Anne-Sophie Mutter; Beethoven, Takemitsu, & Strauss on Apr. 14, 15, & 16. With mezzo-soprano Brigitte Fassbaender & baritone Thomas Allen; Mozart & Mahler on Apr. 21, 22, 23, & 26. Contact: Symphony Hall, Boston, MA 02115. Telephone: 266-1492.

CANTATA SINGERS AND ENSEMBLE

Mendelssohn *Sechs Lieder*, op. 48, Imbrie "On the Beach at Night," Fine "The Hour-Glass," and Schumann *Vier doppelchörige Gesänge*, op. 141 on November 21. J.S. Bach *Cantata BWV 137*, *Cantata BWV 23*, *Sinfonia to Cantata BWV 42*, and *Cantata BWV 34* on January 22. Gabrieli "Vox Domini," Stravinsky "Canticum Sacrum ad honorem Sancti Marci Nominis," and Schütz "Musicalische Exequien" on March 11. J.S. Bach *Mass in b Minor* on May 6. Contact: PO Box 375, Cambridge, MA 02238. Tel: 437-0231.

CHAMBER MUSIC IN THE HOUGHTON LIBRARY

J.S. Bach's *Partita no. 2 in d minor for violin alone* and other works by Bach and by Veracini on November 2. Songs by Cornelius, Brahms, Siegmeyer, and Ives on December 14. Ravel *Sonata for violin and cello*, Schoenberg *Trio*, op. 45, and Beethoven *Trio in G*, op. 9, no. 1 on February 17. Haydn *Quartet in C*, op. 76, no. 3, Bartok *Quartet no. 6*, and Beethoven *Quartet in Eb*, op. 127 on April 6.

CHORUS PRO MUSICA

Beethoven "Fidelio" with Boston Concert Opera on November 7 at Symphony Hall. Annual Christmas concert on December 17 at First Church in Harvard Square and December 18 at Old South Church in Copley Square. Handel's "Theodora" on March 5. Ralph Vaughan William *Symphony No. 1*, "A Sea Symphony" on May 1 at Jordan Hall. Contact: 645 Boylston Street, Boston, MA 02116. Telephone: 267-7442.

NEW ENGLAND PHILHARMONIC

Harbison "Remembering Gatsby," Badings *Concerto for Flute and Wind Symphony Orchestra*, & Rimsky-Korsakov "Scheherazade" on Nov. 13 & 15. Copland "Lincoln Portrait" on Dec. 6. Kyr "Book of the Hours," Copland "Appalachian Spring," & Schuman *American Festival Overture* on Feb. 26 & 28. Brahms *Symphony No. 3*, Sibelius *Karelia Suite*, op. 11, & Hoffman "Apollonian Rainbow" on Apr. 24 & May 1. Contact: 1430 Massachusetts Avenue, Suite 318, Cambridge, MA 02138. Telephone: 868-1222.

LONGY SCHOOL OF MUSIC

World Music Concert on Oct. 4. Pianist Louis Battle on Oct. 18. Flutist Julie Scolnik on Oct. 22. Soprano Susan Larson on Oct. 23. Yale Music Spectrum on Oct. 25. Tenor Walter Boyce & pianist Peter Sykes on Oct. 30. The Meliora Quartet on Nov. 3. The Concerto Company on Nov. 13. Clarinetist Daniel Silver on Nov. 16. Contralto Dorothea Brinkman & pianist John MacDonald on Nov. 19. Pianist Shaylor Lindsay on Nov. 21. Longy Artists Ensemble on Nov. 22. Longy Chamber Winds on Dec. 4. Mezzo-soprano Jan DeGaetani on Dec. 5. The Meliora Quartet on Dec. 8. Longy Flute Orchestra on Dec. 10. Longy Early Music Ensembles on Dec. 13. Violinist Joseph Swenson & pianist Jeffrey Kahane on Jan. 9 & 12. Pianist Elise Jackendoff on Jan. 17. Longy Artists Ensemble on Jan. 19. Thomas Stacy, English horn, on Jan. 23. Longy Early Music Ensembles on Jan. 30. Contact: One Follen Street, Cambridge, MA 02138. Telephone: 876-0956.

MUSEUM OF FINE ARTS

"Sequentia" on Oct. 1. Daniel Stepper & John Gibbons on Oct. 4. Yamaguchi Goro & Hozumi Goro on Oct. 18. "American Originals I," songs of Charles Ives, on Nov. 1. Paul O'Dette, lute, on Nov. 1. Boston Museum Trio on Dec. 13, Jan. 10, and Jan. 14. Music of Bach, Telemann, and Schaffrath on Feb. 4. "American Originals II," music of Elliot Carter and Charles Ives, on Feb. 11. New York Consort of Viols and Boston Viol Consort on Feb. 21. Boston Museum Trio on Mar. 6. John Gibbons, forte piano, on Mar. 13. "American Originals III," music of Charles Ives, on Mar. 24. Music of Martin Marais and others on Apr. 10. T. Viswanathan, flute and voice, on Apr. 20. John Gibbons, harpsichord, on May 8. Boston Museum Trio on May 22. Contact: 465 Huntington Avenue, Boston, MA 02115. Telephone: 267-9300 ext. 306.

MUSIC FROM MARLBORO

Boccherini *String Quartet*, Schumann "Wilhelm Meister," and Beethoven *String Quartet in C*, op. 29 on November 12. Mozart *Divertimento in Eb Major*, K. 563, Webern *Five Pieces for String Quartet*, and Mendelssohn *String Quartet in Bb*, op. 87 on March 18. Haydn *String Quartet*, op. 20, Hindesmith *String Trio*, and Mozart *Quintet in A for Clarinet and Strings*, K. 581 on May 5. Contact: 114 Pleasant Street, Brookline, MA 02146. Telephone: 734-8742.

PRO ARTE CHAMBER ORCHESTRA

William Kraft *Piano Concerto No. 21 in C Major*, K. 467 & *Symphony No. 29 in A Major*, K. 186a and Mozart *Symphony No. 40 in g Minor* on Oct. 10. Mahler "Kindertotenlieder" and Haydn *Symphony No. 86 in D Major* on Oct. 25. Haydn "The Creation" on Dec. 13. Finzi *Cello Concerto*, Dvorak *Symphony No. 7 in d Minor*, and Mendelssohn *Overture to Midsummer Night's Dream* on Jan. 31. Kupferman *Clarinet Concerto*, Beethoven *Symphony No. 1 in C Major*, Elgar *Serenade for Strings in e Minor*, and Mendelssohn "The Hebrides," op. 26 on Feb. 27. Mozart *Concerto No. 25 in C Major*, K. 503, Bach *Concerto for three violins in D Major*, BWV 1064, Vivaldi *Concerto for four violins*, and Haydn *Symphony No. 59 in A Major* on Mar. 13. Beethoven *Piano Concerto No. 5 in E Flat Major*, op. 73, "Emperor," Mozart *Overture to Don Giovanni*, K. 427, and Martin *Concerto for Seven Winds* on Apr. 10. Verdi "Requiem" on May 1. An evening of opera on May 28. Contact: 104 Charles Street, Boston, MA 02114. Tel: 661-7067.

SINFONOVA CHAMBER ORCHESTRA

With duo-pianists Anthony & Joseph Paratore; Bach, Mahler, & Villa-Lobos on Oct. 31. With flutist Robert Stallman; Respighi, McKinley, & Handel/Aslamazyan on Nov. 20. With soprano Beverly Morgan; Rossini, Britten, and Pärt on Jan. 29. With pianist Anthony di Bonaventura; Rossini, Mozart, Mirzoyan, & Schubert/Mahler on Mar. 4. With pianist David Buechner; premieres of symphonic works by Boston composers on Apr. 11. With pianist Avo Kuyumjian; Haydn, Strauss, Berg, Webern, Schoenberg, & Beethoven on Apr. 29. Contact: 62 Cummings Park, Woburn, MA 01801. Telephone: 938-6828.

ULOWELL CENTER FOR THE PERFORMING AND VISUAL ARTS

Norwegian Chamber Orchestra with violinist Iona Brown on Oct. 13. Dawn Ushaw, soprano, on Nov. 12. St. Paul Chamber Orchestra with pianist Yeffi Bronfman on Feb. 12. Siegfried Behrens, guitar, on Feb. 25. Orion Ensemble on Mar. 13. Benny Kim, violin, on Mar. 20. Jorg Demus, piano, Mar. 27. The Cantata Singers, Bach's *B Minor Mass* on May 1. Contact: ULowell, Room 116, Durgin Hall, Lowell, MA 01854. Tel: 459-0350.

VIDEMUS

Beethoven, Clarke, Handelsman, Brahms on Sep. 25. X-CERPTS from the opera *Malcolm X* by Anthony Davis on Feb. 12. Chevalier de Saint-Georges and William Grant Still on Mar. 25. Contact: 8 Howard Street, Cambridge, MA 02138. Telephone: 868-8957.

WANG CELEBRITY SERIES

The Royal Philharmonic Orchestra on Oct. 11. André Watts on Oct. 18. Boston Camerata presents "Orfeo" on Oct. 24, & 25. Luciano Pavarotti on Oct. 24. Juilliard String Quartet on Nov. 1. London Philharmonic Orchestra on Nov. 6. Astor Stern-Ma Trio on Nov. 13. Carlos Montoya on Nov. 14. Emerson String Quartet on Nov. 20. Dresden Staatskapelle on Dec. 2. Rudolf Serkin on Dec. 6. Vienna Choir Boys on Dec. 16. Kathleen Battle on Jan. 8. Juilliard String Quartet on Jan. 10. Jean-Pierre Rampal on Jan. 24. The Cleveland Orchestra on Jan. 29. Raul Lupu and Murray Perahia on Feb. 1. Brandenburg Ensemble on Feb. 21. English Chamber Orchestra on Feb. 2. Chamber Orchestra of Europe on Mar. 1. Jessye Norman on Mar. 18. Annie Fischer on Mar. 20. Juilliard String Quartet on Mar. 25. Alicia de Larrocha on Apr. 1. Brueggen-Bylisma-Leonhardt Trio on Apr. 9. Tokyo String Quartet with Hiroaki Nakamura on Apr. 15. City of Birmingham Symphony Orchestra on Apr. 17. Yo-Yo Ma on May 24 and 25. Contact: 2 Tremont Street, Boston, MA 02116. Telephone: 482-2595.

WELLESLEY COLLEGE

Ages Ago, chamber opera by Gilbert Clark, on Oct. 3. William Porter on Feb. 10. organ on Oct. 4. Wellesley College Choir on Oct. 18. Lark Quartet on Oct. 2. Wellesley College Choir on Nov. 8. Violinist Nancy Cirillo & pianist Charles Fisk on Nov. 15. Chamber Music Society on Nov. 22. Chamber Orchestra on Dec. 6. Wellesley College Choir on Dec. 6. Wellesley Collegium on Dec. 11. String Chamber on Feb. 7. Ton Koopman on Fisk on Feb. 19. Women's Works on Feb. 26. Wellesley College Choir on Mar. 15. Chamber Music Society on Mar. 16. Ensemble Abendmusik on Mar. 28. Ensemble P.A.N. on Apr. 1. Chamber Orchestra on Apr. 22. Wellesley Collegium on Apr. 29. Chamber Music Society on May 1. Contact: Wellesley College Music Department, Wellesley, MA 02181. Telephone: 235-0320 ext. 2028.

Jazz Music

ULOWELL CENTER FOR THE PERFORMING AND VISUAL ARTS

Modern Jazz Quartet on Nov. 15. Duke of Dixieland on Feb. 19. Contact: ULowell, Room 116, Durgin Hall, Lowell, MA 01854. Telephone: 459-0350.

WELLESLEY COLLEGE

Paul Barringer, piano, Alan Dawson drums, & John Lockwood, bass on Oct. 1. Bougainville on Oct. 29. Orange then Blue on Feb. 11. Pianist Paul Barringer on Mar. 3. Contact: Wellesley College Music Department, Wellesley, MA 02181. Telephone: 235-0320 ext. 2028.

Popular Music

SCC STRAT'S RAT

Bim Skala Bim & Plate-O-Shrimp on Sep. 24. The Ultimate Video Show on Oct. 1. Big Barn Burning on Oct. 8. Gree Week on Oct. 15. Fall Weekend on Oct. 22. Pianosaurus with Pee Wee Imperator on Oct. 29. Classic Rock Night on Nov. 5. Murphy's Law on Nov. 12. Hyphenotist on Nov. 14. Jazz Night on Nov. 19. End of Term Party on Dec. 3.

ARTS

The 1987-88 Seasons

Compiled by Peter Dunn



WANG CELEBRITY SERIES

The King's Singers on Nov. 22. Jean Redpath and the Boys of the Lough on Feb. 19. The Chieftains on Mar. 11. The Canadian Brass on Mar. 13. Richard Stoltzman and Friends on Mar. 26. Preservation Hall Jazz Band on Mar. 27. Contact: 270 Tremont Street, Boston, MA 02116. Telephone: 482-2595.

Theater

ALLEY THEATRE

Balm in Gilead by Lanford Wilson, Sept. 10-Oct. 24. Loot by Joe Orton, Oct. 29-Dec. 12. The Water Engine by David Mamet, Jan. 14-Feb. 27. Split Second by Dennis McIntyre, Mar. 3-Apr. 16. The Miss Firecracker Contest by Beth Henley, Apr. 21-June 4. Contact: 1253 Cambridge Street, Cambridge, MA. Tel: 491-8166.

AMERICAN REPERTORY THEATRE

Gillette by William Hauptman, Nov. 27-Jan. 22. Right You Are (If You Think You Are) by Luigi Pirandello, Dec. 11-Jan. 31. Quartet by Heiner Müller, Feb. 5-Mar. 6. The Fall of the House of Usher based on the story by Edgar Allan Poe, May 13-July 10. 'Tis Pity She's a Whore by John Ford, May 27-July 17. Contact: Loeb Drama Center, 64 Brattle Street, Cambridge, MA 02138. Telephone: 547-8300.

HUNTINGTON THEATRE COMPANY

Remembrance by Graham Reid, Sept. 26-Oct. 18. The Winter's Tale by William Shakespeare, Nov. 28-Dec. 20. The Piano Lesson by August Wilson, Jan. 9-Jan. 31. Saturday, Sunday, Monday by Eduardo de Filippo, Mar. 5-Mar. 27. Animal Crackers by George S. Kaufman and Morrie Ryskind, May 21-June 12. Contact: 264 Huntington Avenue, Boston, MA 02115. Telephone: 266-3913.

LYRIC STAGE THEATRE

The Price by Arthur Miller, Sept. 16-Oct. 25. Hay Fever by Noel Coward, Oct. 18-Nov. 25. A Child's Christmas in Wales by Dylan Thomas, Dec. 2-Dec. 23. What the Butler Saw by Joe Orton, Jan. 6-Feb. 14. The Bishop's Bonfire by Sean O'Casey, Feb. 17-Mar. 20. The Common Pursuit by Simon Gray, Mar. 23-Apr. 24. How the Other Half Loves by Alan Ayckbourn, Apr. 24-May 29. Contact: 54 Charles Street, Boston, MA 02114. Telephone: 742-8703.

NEW EHRlich THEATRE

Who's Afraid of Virginia Woolf? by Edward Albee, Sept. 29-Oct. 25. Phobias: The Musical by NETWORKS, Nov. 3-Nov. 22. A Christmas Carol by Charles Dickens, Dec. 1-Dec. 23. The Importance of Being Earnest by Oscar Wilde, Feb. 2-Feb. 28. Entertaining Mr. Sloane by Joe Orton, Apr. 5-May 1. Steaming by Nell Dunn, May 31-June 26. Contact: 539 Tremont Street, Boston, MA 02116. Telephone: 482-6316.

NEW REPERTORY THEATRE

Absent Friends by Alan Ayckbourn, Oct. 23-Nov. 22. Hard Times by Charles Dickens, Jan. 8-Feb. 7. A View from the Bridge by Arthur Miller, Feb. 26-Mar. 27. Talley's Folly by Lanford Wilson, Apr. 22-May 22. Contact: 61 Washington Park, Newton, MA 02160. Telephone: 332-1646.

LOWELL CENTER FOR THE PERFORMING AND VISUAL ARTS

Sophisticated Ladies on Oct. 4. Charlotte's Web on Nov. 1. The Guthrie Theatre Frankenstein on Feb. 27. Puppet Projects Circus Fantastique on May 1. Contact: ULowell, Room 116, Durgin Hall, Lowell, MA 01854. Telephone: 459-0350.

WHELOCK FAMILY THEATRE

Oliver, based on Dickens' first novel, Oct. 30-Nov. 22. Mr. Popper's Penguins Feb. 5-Feb. 28. On Golden Pond Apr. 15-May 8. Contact: 200 The Riverway, Boston, MA 02215. Telephone: 734-5203.

Dance

BOSTON BALLET

Giselle Oct. 1-Oct. 11. The Nutcracker Dec. 3-Jan. 3. Boston International Choreography Competition Feb. 10-Feb. 14. The Scandinavians Mar. 9-Mar. 13. Balanchine Festival Apr. 6-Apr. 10. A Midsummer Night's Dream May 12-May 22. Contact: 553 Tremont Street, Boston, MA 02116. Telephone: 542-1323.

DANCE UMBRELLA

Sankai Juku on Oct. 9. Steve Kriekhaus on Oct. 23 & 24. Twyla Tharp on Nov. 20, 21, & 22. Jo Ha Kyu on Dec. 4, 5, & 6. National Dance Company of Senegal on Dec. 8 & 9. Nancy Compton Dance Theater on Dec. 11, 12, & 13. Fiona Marcotty & Stephen Pelton on Dec. 18, 19, & 20. Contact: 15 Sellers Street, Cambridge, MA 02139. Telephone: 492-7578.

LOWELL CENTER FOR THE PERFORMING AND VISUAL ARTS

Ramon de los Reyes Spanish Dance Theatre on Oct. 30. The Nutcracker - Act II on Dec. 13. Garth Fagan's Bucket Dance Theatre on Jan. 31. Finnish National Ballet La Fille Mal Gardée on Mar. 29. Contact: ULowell, Room 116, Durgin Hall, Lowell, MA 01854. Telephone: 459-0350.

WANG CELEBRITY SERIES

Chinese Children's Palace of Hangzhou on Oct. 28. Twyla Tharp Dance on Nov. 20, 21, & 22. Mummenschanz on Mar. 8 through 20. Alvin Ailey American Dance Theater on May 3 through 8. Contact: 270 Tremont Street, Boston, MA 02116. Telephone: 482-2595.

Exhibits

BOSTON UNIVERSITY ART GALLERY

The First America: Selections from the Nancy Sayles Day Collection of Latin American Art Sept. 11-Oct. 25. Illusion in Art: Perception/Description/Deception Oct. 30-Dec. 13. The Boom and the Bust: Graphic Visions of American Life During the 1920s and 1930s Jan. 15-Feb. 21. Jack Kramer: A Retrospective Feb. 26-Apr. 3. Contact: 855 Commonwealth Avenue, Boston. Tel: 353-3329.

FEDERAL RESERVE BANK OF BOSTON

Fort Points Art Community, Inc. Juried Members Exhibition, Sept. 14-Oct. 23. Art Institute of Boston 75th Anniversary Photography Faculty Exhibition, Nov. 16-Dec. 31. Copley Society of Boston, Jan. 21-Feb. 24. Fiber Connections: Works by Boston Seven and the Conseil des Arts Textiles du Quebec, Mar. 11-Apr. 22. New England Watercolor Society, May 10-June 24. Contact: 600 Atlantic Avenue, Boston. Telephone: 973-3454 or 973-3368.

MUSEUM OF FINE ARTS

Terry Winters: Paintings and Drawings Sep. 26 through Nov. 29. Charles Sheeler: Paintings, Drawings, Photographs Oct. 14 through Jan. 3. Gauguin and his Circle in Brittany: The Prints of the Pont Aven School Oct. 17 through Dec. 13. Andrew Wyeth: The Helga Pictures Oct. 28 through Jan. 3.

Film series

MUSEUM OF FINE ARTS

Bertrand Tavernier: A Passion for Cinema, Fridays Sept. 25-Oct. 23. Japan and World War II: Now and Then, Fridays Oct. 30-Dec. 18. A Woman's Vision: Six by Márta Mészáros, Thursdays Dec. 3-Dec. 17. Contact: 465 Huntington Avenue, Boston, MA 02115. Telephone: 267-9300 ext. 306.

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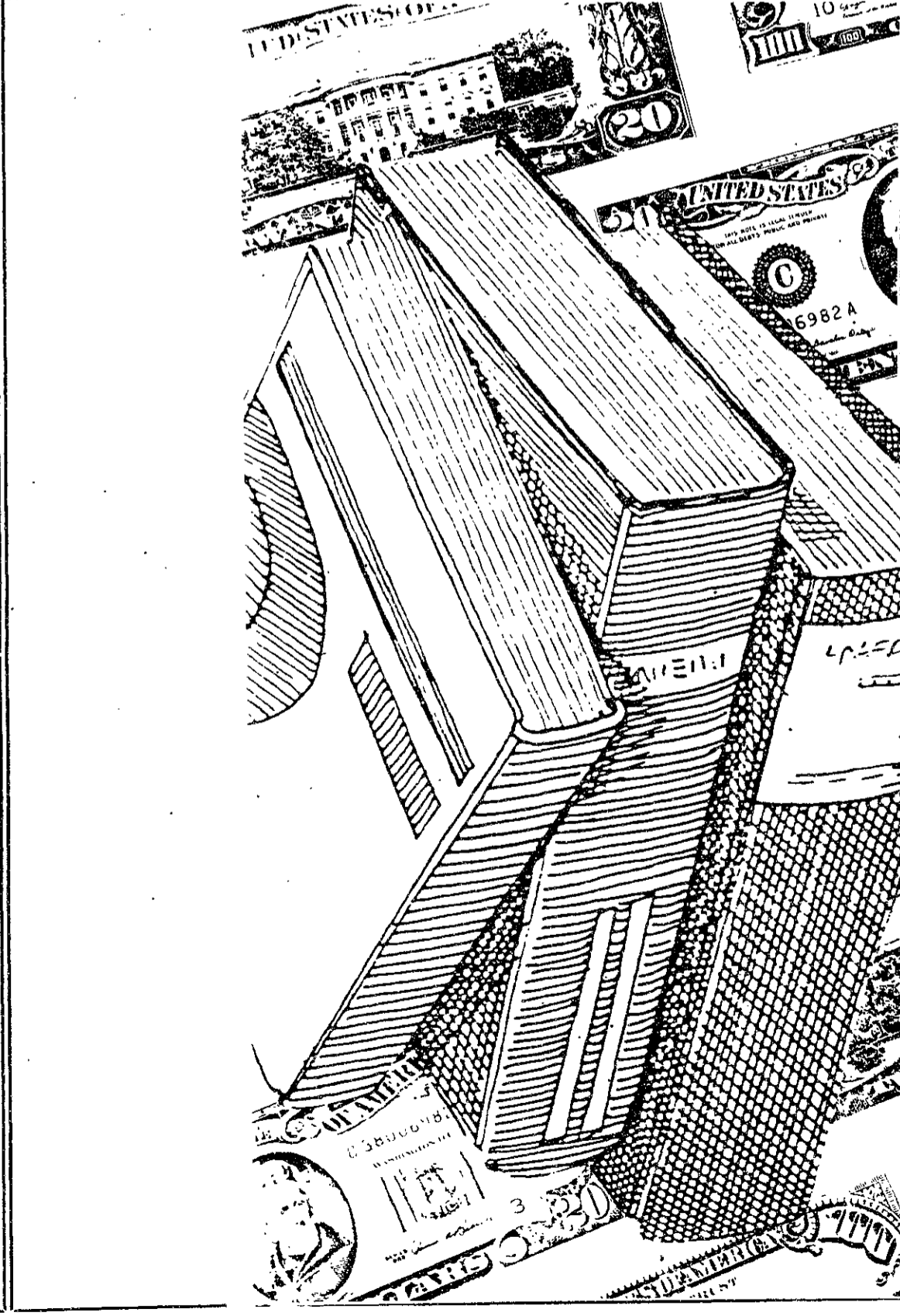
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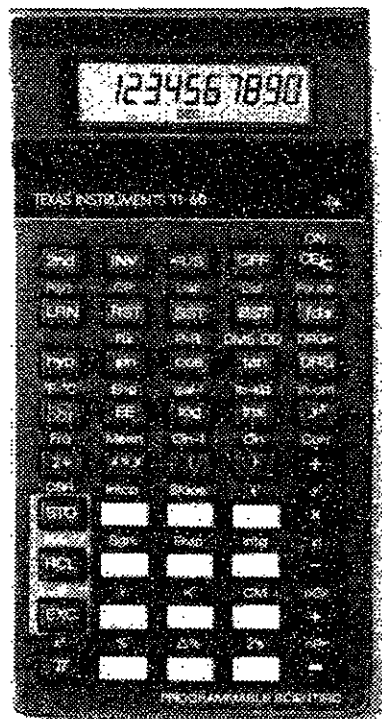
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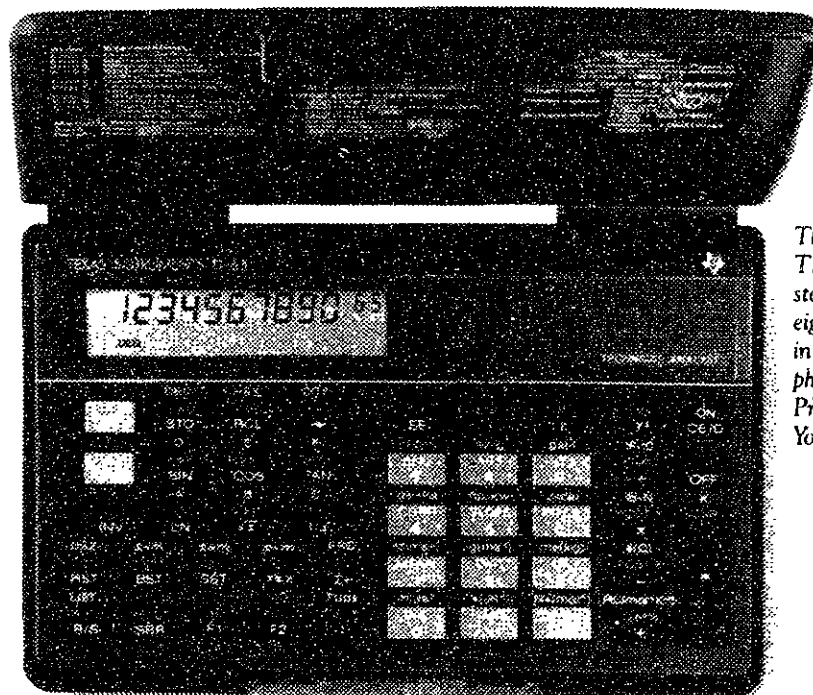
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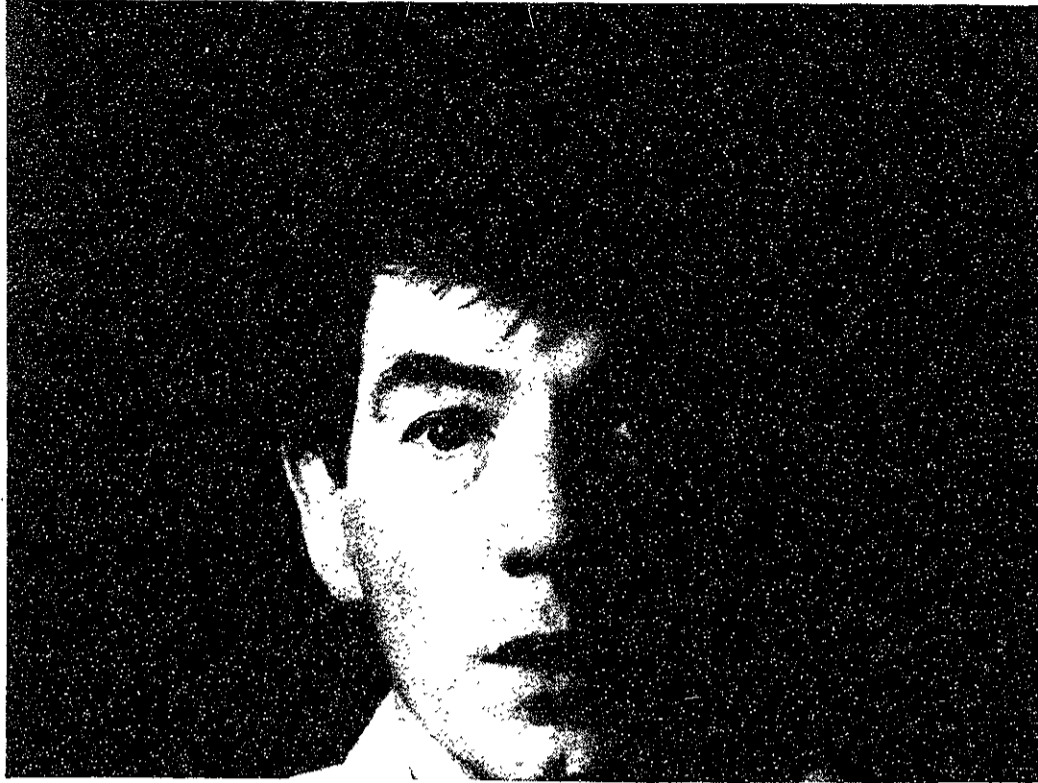
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ARTS



Ian McKellen

McKellen's Shakespeare showcase

(Continued from page 10)

hollow-sounding.

The scene from Hamlet is equally fine (though it is not the famous soliloquy, which he feels we have heard quite enough). We see the Prince, brooding, growing uneasily into his mantle of royalty, rather as he might once have been played by a young Jacobi. In the same scene, he transforms into a doddering Polonius, greeting the players with frank disapproval and resigned disinterest, and then again into the first player, whose evident theatricality does not inhibit his performance.

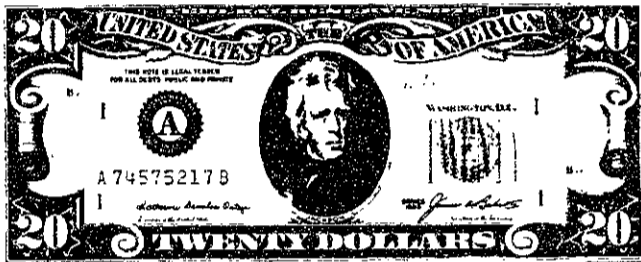
McKellan turns the same trick in another scene, playing both Falstaff and Prince Hal, in a scene in which each of them play Hal's father, the king. As the rotund Falstaff, McKellan suddenly seems to fill out his oversized suit implausibly, a commanding figure by dint of his fictive weight and very real, grumbling bear of a voice.

He also plays Romeo and Juliet (executing as Romeo one of the more plausible

deaths I have ever seen), and popping in and out of character in the blink of an eye. He pops not only from Hal to Falstaff and back, but also into and out of his own character. At one point, telling the story of his arrival at Cambridge, he injects an entire speech ("Once more unto the breach. . .") into the middle of a sentence, then jumps back into the same sentence without even stopping for applause. The scene is played, comically, as McKellan himself would have done it as a wet-behind-the-ears undergraduate in 1958; but also with some of King Henry's majesty showing through.

And if it seems astonishing that one person in baggy trousers can do all this, instruct, amuse and entertain and all at once, he also continually puts it all in perspective for us, giving his views on the nature of acting and of actors. "Shakespeare wants to convey to you the utter meaninglessness of life," he finally explains about *Macbeth*, "so he compares it to the theatre."

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notices

Ongoing

A **Divorce Support Group** led by Marcia Ullian Jackson, LICSW, will begin on Sept. 16, 1987 at Riverside Family Institute, 259 Walnut Street, Newtonville. The group will meet on Wednesday evenings for ten weeks in Room 14 from 7:30 to 9 pm and is designed to help people overcome the social and emotional impact of separation and divorce. Call 964-6933 for more information. A fee will be charged.

CALL, a toll-free telephone service, is available throughout Massachusetts and provides free information about colleges, graduate schools, financial aid sources, and career opportunities. CALL counselors can also refer callers to other sources such as schools, training programs or other education-related agencies available in specific areas. CALL operates Monday through Thursday, 9 am to 9 pm; Friday and Saturday 9 am to 5 pm; and Sunday 2 pm to 6 pm at 1-800-442-1171. Counselors are also available on a walk-in basis at the Higher Education Information Center located at the Boston Public Library, 666 Boylston Street, next to the Copley Plaza.

Do you have questions about **Distribution subjects** and fields, **Concentration requirements** or procedures, what are **HASS Elective subjects**? Come to the Humanities, Arts, and Social Sciences Office, 14N-409 for help with anything to do with the HASS Requirement. We are open 9-5. Stop by or call us at x3-4441.

The **Foreign and Domestic Teachers Organization** needs teacher applicants in all fields from kindergarten through college to fill over six hundred teaching vacancies both at home and abroad. Should you wish additional information about our organization, you may write The National Teacher's Placement Agency, Universal Teachers, Box 5231, Portland, Oregon 97208.

The **Off-Campus Housing Service** welcomes any member of the community who either has available housing or who is searching for housing to contact our office in Room E18-301, ext. 3-1493.

The professional tutor staff of the **MIT Writing and Communication Center** (14N-317) will be glad to consult with you on any writing or oral presentation project (papers, theses, letters, etc.) from 10-6 Monday thru Friday. You may either phone for an appointment (x3-3090) or just drop in. In addition, workshops for those for whom English is a second language are held in the Center on Wednesdays from 6:15-7:15. All services are free.

The **Samaritans** — someone to talk to and befriend you, are on call 24 hours a day, 7 days a week. The center, at 500 Commonwealth Avenue, Kenmore Square, is open from 8-8 every day for people to come in and talk. Service is free and completely confidential. Call 247-0220.

Explorer Dr. Barry Barker of the **National Institute for Exploration** is organizing a series of expeditions during 1987 in an attempt to discover the hidden answers of mysterious and strange happenings in Peru. The results of these expeditions will be a full color book representing the best journalistic and photographic efforts of more than 100 individuals. For further details, call or write Dr. Barry W. Barker, Director, National Institute for Exploration, 111 N. Market St., Champaign, Ill., 61820, 217-352-3667.

The **Science and Humanities Libraries** (Hayden Building Libraries) are now open from noon Sunday to 8 pm Friday — 24 hours a day — and from 8 am to 8 pm on Saturday. From midnight to 8 am access to the libraries is limited to members of the MIT community. Circulation and reference services are not available during restricted hours.

The **MIT Museum** has many ongoing exhibits. The Museum is located at 265 Massachusetts Ave., and is open Monday through Friday, 9-5, Saturday 10-4. Admission is free.

The **Student Conservation Association (SCA)** is providing opportunities for about 150 students to obtain expense-paid volunteer positions in conserva-

tion and resource management. Volunteers this winter and spring will serve in such areas as: the Virgin Islands, San Francisco, Florida, Arizona, Idaho, and Hawaii. Telephone the SCA at (603) 826-5206/5741 or send a postcard to: Student Conservation Association, PO Box 550C, Charlestown, NH 03603.

Today, more than one million men and women are demonstrating by their personal example that alcoholism is an illness that can be arrested. If you have an alcohol related problem please get in touch with the **Alcoholics Anonymous** group nearest you — with complete assurance that your anonymity will be protected. Call 426-9444 or write: Alcoholics Anonymous, Box 459, Grand Central Station, NY 10163. You will receive free information in a plain envelope.

Teach an adult to read — If you have two hours a week to spare, you can help one of Boston's 100,000 illiterate adults to read. The Adult Literacy Resource Institute is offering free tutor training. No prior experience is required — just a high school diploma and a desire to help. Contact Beth Sauerhaft, Volunteer Tutor Coordinator at 232-4695 or 734-1960 ext. 112 for more details.

Do you have something to offer the public school students of Boston? Nearly all college students do, and many are now sharing their talents as **S*T*A*R** volunteers. School volunteers also offers internships in Publicity/Marketing, Community Organizing and Recruitment. For more information, call 451-615, or visit the School Volunteers Office at 25 West St., between the Park St. and Washington stops on the MBTA.

The **"Statement of Registration Status"** is still required of all male students who are expected to register for the draft, if they desire to receive federal financial aid.

The following students do not have to file statements: women, underage students and those who have completed the statement in previous years.

MIT requires male students who have completed the statement by indicating they are "underage" to submit the statement annually until they have registered.

Counseling and HTLV-III blood screening services are available for individuals concerned about exposure to the virus associated with AIDS. For more information about this free confidential service sponsored by the Department of Public Health and Counseling Services, call 522-4090. Weekdays 9 am to 5 pm. Outside Boston call collect. For more information call James Varum at 542-5188, Monday through Friday, 10 am to 4 pm.

Parenting is a tough job. If you need help surviving the parenting experience, the **Family Support Network** and **Parents Anonymous** are co-sponsoring a support group for isolated or overwhelmed parents. Every Tuesday night from 6 pm to 8 pm at Roxbury Children's Service, 22 Elm Hill Ave., Dorchester.

The **Family Support Network** is also sponsoring a support group for teen parents, every Thursday night from 6 pm to 8 pm at Roxbury Children's Service.

Getting High? or Getting Desperate? If drugs are becoming a problem, call or write: Narcotics Anonymous, 264 Meridian St., East Boston 02128, (617) 569-0021. Local meetings held at the MIT Medical Department, E23-364, on Mondays from 1-2 pm.

The **Cambridge Dispute Settlement Center** has announced that it is making its service of mediating disputes available to roommates in the Cambridge area. Those interested in using CDSC's service to resolve a roommate dispute or any other dispute should contact the mediation center at 876-5376.

The **Peace Corps** is offering skill-training for programs utilizing the backgrounds of college graduates with mathematics and science minors. Peace Corps volunteers serve for two years. During their service they receive a generous living allowance, paid travel, training and health care. A post-service readjustment allowance of \$175 per month is paid to each volunteer. For information on Peace Corps service, call 223-7366, or write PEACE CORPS, 150 Causeway St., Room 1304, Boston, MA 02114.

Volunteering in the Boston or Cambridge public schools offers an opportunity to learn about urban education and multi-cultural environments. Volunteers work with elementary, middle or high school students during or after the school day, for long or short-term assignments.

A new **Pentagon Audit Project** provides detailed listings of military contracts awarded to local companies and colleges across the United States. The system can help requesters determine what weapons systems are made or based in their area, or find out whether companies in which they own stock are doing military-related work. For more information contact Paul Brink at (215) 241-7060.

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Fund drive aims for \$550 million

(Continued from page 1)

report.

In the past 25 years, MIT has grown as a result of externally funded sponsored research programs, Culliton stated in the financial report. Currently, MIT relies on sponsored research for over two-thirds of operating revenues, he claimed. But Culliton warned that MIT cannot "look to growth in research efforts or income from rising tuition as realistic options" in financial resources.

Rather, a significant increase in MIT's endowment — the primary goal of the upcoming campaign — would "provide the income for the benefit of future generations of MIT students and faculty," and is "necessary to assure the future income to maintain educational leadership in a rapidly changing technological socie-

ty," Culliton stated.

But he also said that, among those major universities with which MIT compares, the Institute's endowment is the smallest in relation to operating expenses — "in part because we have had relatively fewer decades to build our endowment."

According to statistics in the May 20, 1987, issue of *The Chronicle of Higher Education*, as of June 30, 1986, MIT had the eighth largest endowment (\$971,346,000), lagging behind Harvard (\$3.4 billion), The University of Texas (\$2.5 billion), Princeton (\$1.9 billion), Yale (\$1.7 billion), Stanford (\$1.4 billion), Columbia (\$1.3 billion) and Texas A&M (\$1.1 billion).

Moreover, in 1985, MIT ranked 22nd among schools in the ratio of endowment dollars per student, according to statis-

tics from the National Association of College and University Business Officers.

Much of the unrestricted funds that would ordinarily be added to the endowment are instead used up for operations. MIT's operating revenues and funds — including tuition, research revenues, investment income and restricted gifts — have not been sufficient to cover all of its operating expenses. Unrestricted funds have had to be used to pay for the shortfall, according to the financial report.

For example, in 1987, MIT used part of its \$4.3 million in unrestricted gifts, grants and bequests to cover a \$3.2 million deficit in the operating budget and could not add those funds to the endowment, according to the report.

In the past four years, MIT's operating budget resulted in small surpluses, ranging from \$.8 million to \$1.5 million, the report states. MIT also encountered budget deficits in 1982 and 1983, drawing on endowment income to meet a "significant increase in the need for unrestricted funds for undergraduate financial aid, and in order to fund a planned program of renovations and upgrading of existing academic and research facilities," according to Culliton.

EECS raises stipends for doctoral students

(Continued from page 1)

dents Frank Perkins '55.

The School's guidelines this year suggest RA base stipends of \$870/month for students who have not received their SM degree and \$960/month for those who have. But the EECS department currently pays all of its graduate students at the lower rate.

"Most departments increase the pay scale because people working on their doctorates have more experience," Perkins commented. "They are recognized for being able to make input that new graduate students can't make."

Hike for TAs considered

The EECS department is considering raising TA stipends to keep them higher than the RA rates, Smith added. Again, EECS does not adhere to differential compensation as do the other engineering departments. In other departments, SM students receive \$910/month while doctoral students earn \$995/month. All TAs in the EECS department are currently paid at the lower rate.

The department has not decided whether to adopt the differential compensation scheme for TAs. "It depends on how much money the department can find for the compensation," Smith said. "We want to make the TAships as attractive as the RA-ships after the pay raise."

Smith also noted that the department is raising its stipends to keep competitive with other schools. "We try to keep the rates near everyone else so that we don't lose students on the basis of pay," Perkins commented. "We also tell the departments that they can raise the rates up to 10 percent of the base rate if they feel they need to."

Smith is not worried about the currently quality of MIT's graduate students, but he does not want to have students choosing other schools because they cannot afford MIT's fees.

Currently all or almost all of the graduate students in EECS either have a fellowship or an assistantship, according to Smith. If the faculty does not raise the additional money, there might be fewer RAs than there are now, he warned. The department plans on helping students obtain a fellow-

ship or possibly increasing the number of TAs to take up the slack.

The EECS faculty have this year to negotiate with companies to increase the research contracts. None of the faculty have made complaints yet about negotiating, Smith said.

CAREER SEMINAR

"Preparing for the Recruiting Season; What to Expect in an Interview"

ROBERT K. WEATHERALL

Director, Office of Career Services

Tuesday
September 29
1987

4:00 p.m.
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MIT removes asbestos from Student Center during renovation

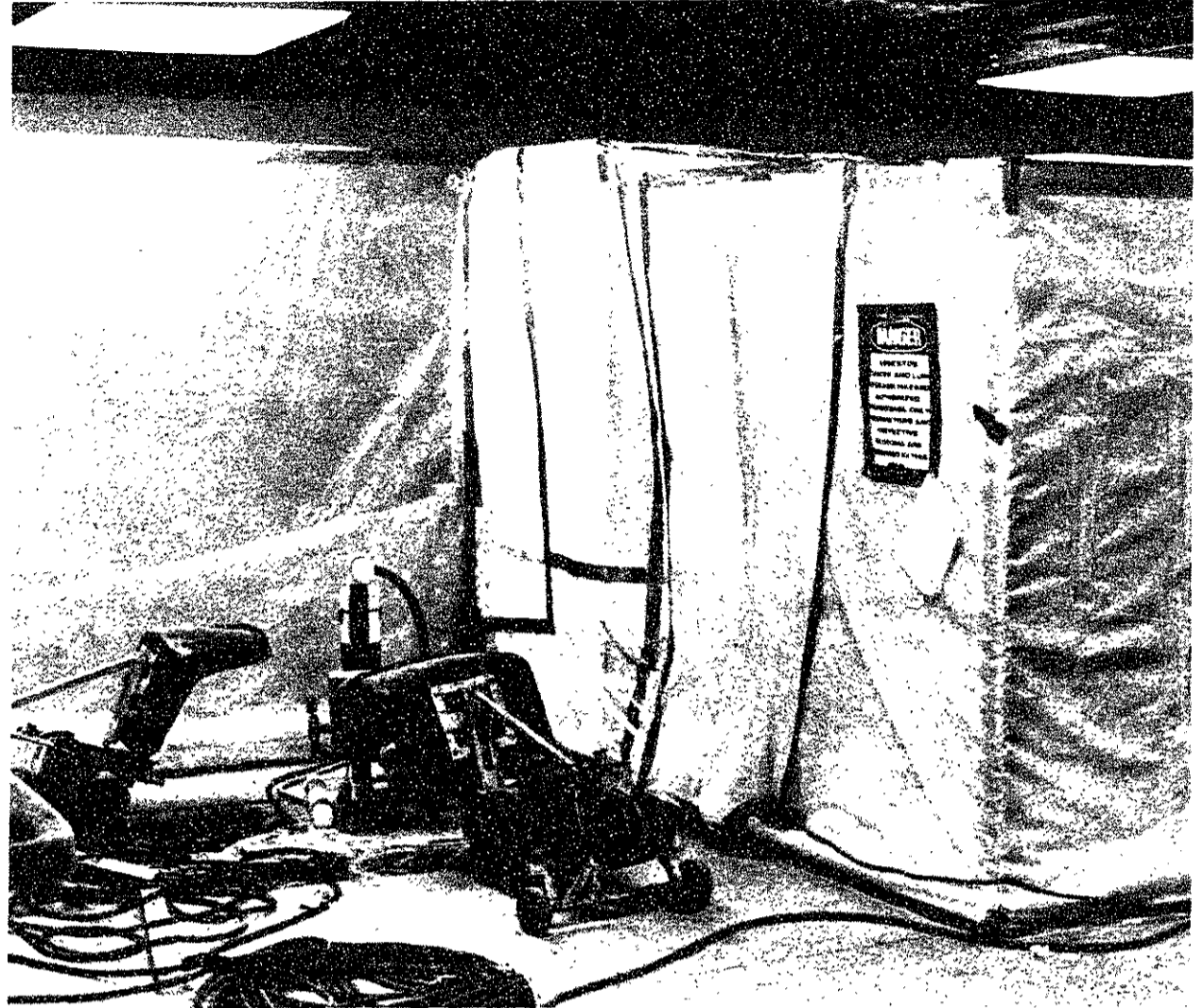
(Continued from page 2)
 continued. One form is a spray applied to steel structures to enhance their fire resistivity. The other is a solid sheet of thermal insulation used around various structures such as pipes, boilers, ducts, tanks, valves, and fittings. The spray, generally more hazardous than the insulation, is not very common on campus, Cunkelman added.

Removals done at MIT are usually of small scale, according to Bonnie Weeks, Industrial Hygienist at EMS. When a pipe leaks or a valve breaks, for example, EMS is contacted to assess the situation. If the place is uncovered, removal is ordered to take place. Physical Plant workers carry out small scale projects. On the other hand, Ducatman said, large scale projects such as the

removal at renovation sites are done by Boston-area contractors.

Describing the removal process, Cunkelman said the amount of removal for each building depends on the location of asbestos, its potential to become disrupted in the future and, most importantly, the condition of the material. The section of the building to be handled is secured from the public for safety. Workers wear overalls and respirators and wet the asbestos in order to minimize the fiber migration in the air, using a glove bag in an effort to completely encapsulate the asbestos.

The removal process is expensive. The removal job at the Student Center alone costed about \$140,000, according to Cunkelman. Future removal projects will also be driven by renovation.



Sarath Krishnaswamy

The asbestos removal area in the basement of the Student Center.

Program lowers self-help for needy students

to discourage academically able students from applying purely for economically disadvantaged backgrounds.

Currently 54 percent of MIT undergraduates receive grants, according to Gallagher. This figure has remained the same for a number of years.

"MIT is acknowledged to have one of the highest self-help levels," Gallagher admitted. He pointed out, though, the current level of self-help has not increased for the past three years despite the yearly rise in tuition. For those students who receive a grant under this program, the self-help level is comparable "to equally competitive institutions," Gallagher said.

The freeze on the self-help level has helped to narrow the difference between MIT's self-help

level and that of its competing schools. But this year's \$4900 self-help expectation is still approximately \$1000 more than Harvard, Yale and Princeton self-help levels. Stanford University's level is \$450 lower than MIT's this year.

The program will be publicized to high school seniors this year. But the program is still in an experimental stage because MIT may adjust the amount of the grants and the number of recipients in coming years.

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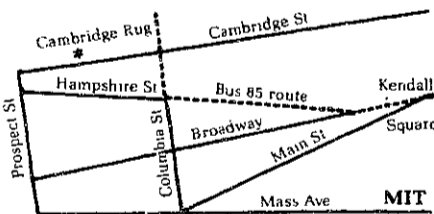
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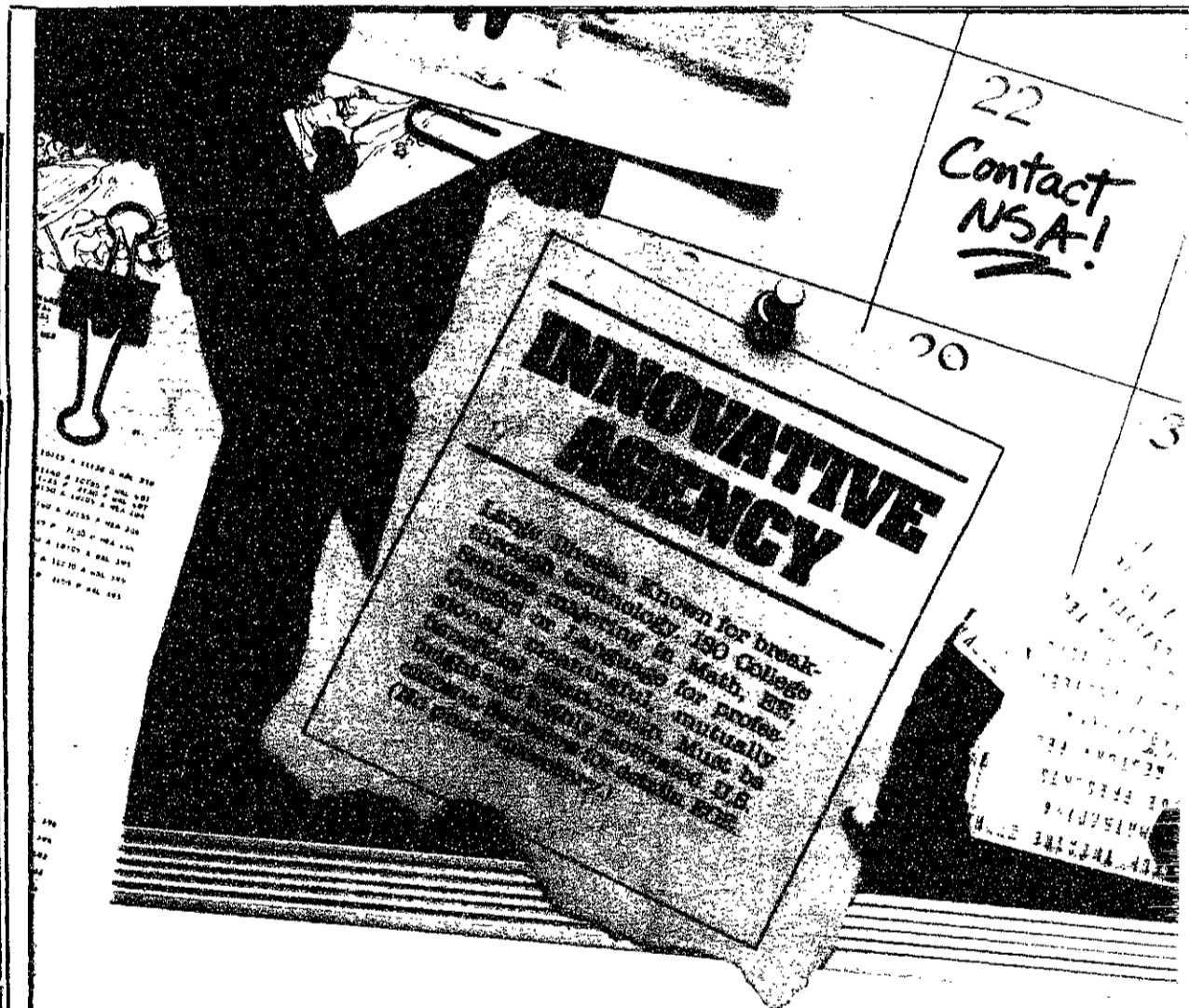
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Harvard Bridge to be reconstructed

(Continued from page 1)

Currently, traffic has been forced to the two lanes on the bridge's East side. The DPW plans to rebuild half the bridge at a time, enabling them to keep the bridge open to traffic.

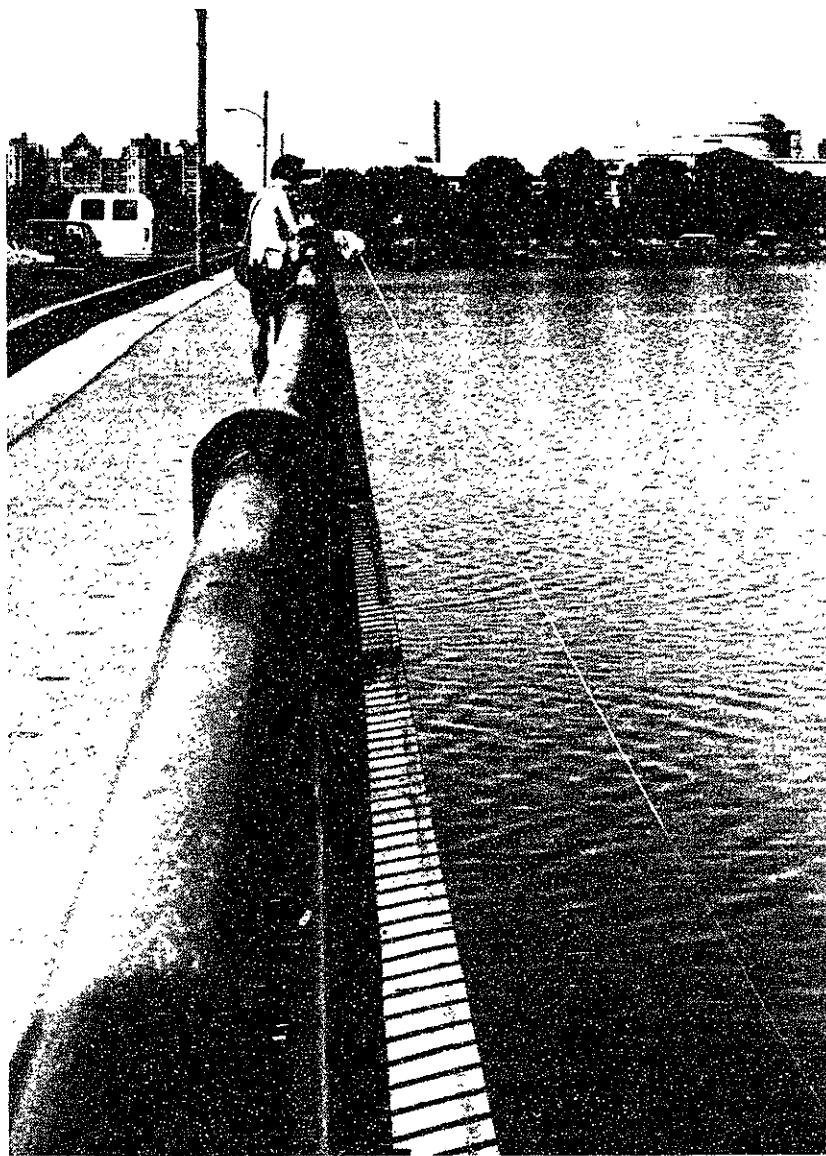
"We recognize that the bridge has to be open," Pickard affirmed. To allay the concerns of commuters that use the bridge, the DPW has opted to keep the bridge open during construction "in a condition that will allow partial traffic flow."

Still, progress has been slow on the reconstruction. Pickard explained that bids would probably be given out this fall and that some construction could be done on the bridge in the winter.

Captain Albert Swanson, historian at the Metropolitan District Commission, admitted, "It's been difficult to acquire the finance to rebuild it."

"Just because there has been little activity doesn't mean we're not working," Pickard said. "We're working as hard as we can."

He emphasized that last year's renovation project to stabilize the bridge has made it safe to sustain traffic and buses and that pedestrians and commuters should not be concerned about the bridge's safety.



Alice P. Lei/The Tech

Its stop-gap renovation of the Harvard Bridge complete, the Massachusetts Department of Public Works plans to rebuild the bridge in a two-year project.

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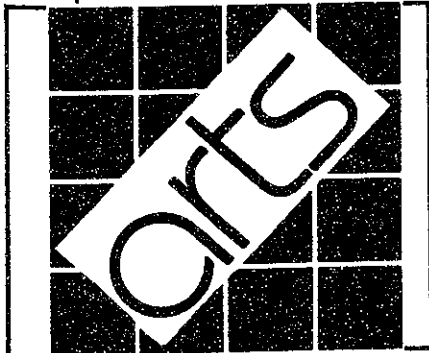
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Participate in Research at Boston Institute for Psychotherapies. 520 Commonwealth Avenue Boston, Massachusetts. Paid \$10.00 Psychology doctoral study. Takes 50 minutes. Paid \$10.00 and transportation. Watch film. Complete questionnaire. Call Jeanne Gavin, 267-1561.

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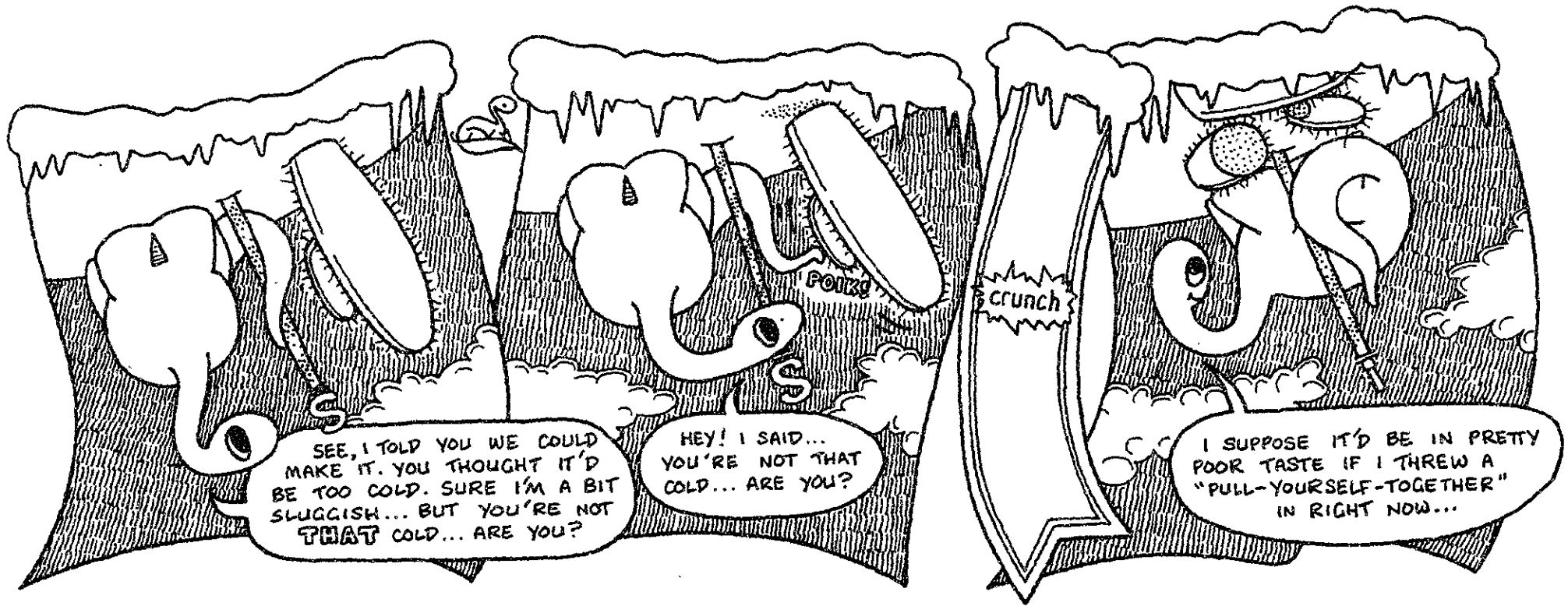
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By Shannon T. Zachow



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