

## Deutch says he will not be next president

**A stormy five years will soon come to an end**

### Analysis

By Prabhat Mehta

John Deutch's resignation in June will mark the end of a controversial five-year tenure as MIT's provost. Entering the position in the summer of 1985, Deutch quickly restructured the Provost's Office and launched an extensive drive toward educational reform.

But the MIT-educated physical chemist soon became the center of several controversies — including his involvement in defense-related interests and the hasty dissolution of the Department of Applied Biological Sciences — which continue to draw attention away from his reputation as an aggressive, efficient manager.

Deutch entered the Provost's Office from his position as dean of science. His first key move



Tech file photo

John M. Deutch '61

was to restructure the office, bringing under his control the Office of the Dean for Student Affairs, and creating two new positions for the Provost's Office: the associate provost for educational policy and programs and the dean for undergraduate education. Samuel J. Keyser,

then head of the Department of Linguistics and Philosophy, and Margaret L. A. MacVicar '65, founder and director of the Undergraduate Research Opportunities Program, were appointed to these positions, respectively. Both still hold the positions.

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## Provost plans to step down in June, ending five-year tenure

By Reuven M. Lerner  
and Niraj S. Desai

Provost John M. Deutch '61 announced yesterday that he will not be MIT's next president and that he will step down as provost on June 30.

Deutch told the Academic Council that he believes the next president should have the opportunity to name a new provost. After five years as the Institute's chief academic officer, Deutch said he plans to return to teaching and research in physical chemistry and on public policy issues.

Yesterday's announcement apparently came as a surprise to members of the Council, which is composed of MIT's top officials, and to others in the administration and faculty.

Deutch's name had figured prominently among potential candidates to succeed President Paul E. Gray '54, who is scheduled to become chairman of the MIT Corporation on July 1.

It is not clear whether Deutch withdrew his name from consideration for the presidency or whether he had been told by the presidential search committees that he would not be selected. Deutch could not be reached for comment yesterday.

The Corporation is expected to announce the new president at its March meeting.

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## Phase II change said to be working well

By Karen Kaplan

In April 1988, responsibility for administering much of Phase II of the Writing Requirement shifted from the Committee on the Writing Requirement to individual departments. This was done in an effort to improve the quality of the evaluations and to make the requirement more strictly enforced. Nearly two years later, some wonder if these goals have been met.

Leslie C. Perelman, coordinator of the Writing Requirement, believes they have. Seniors who have not fulfilled Phase II by the spring term receive a letter from the Registrar stating that their names will not be placed on the degree list for graduation in June, he noted. The letter will also refer such seniors to Perelman, who will advise them to

formally petition the department writing coordinator and the committee to be added to the degree list.

Petitions will be reviewed on a case-by-case basis, but anyone who enrolls in a technical writing course, such as Scientific and Engineering Writing (21.780), will be added immediately, Perelman said. He stressed that the committee will be responsive to all students with a valid reason for failing to fulfill the requirement, explaining that "my job is not to prevent students from graduating." This new procedure should greatly reduce the number of seniors who procrastinate and wait to fulfill the requirement until only weeks before graduation, Perelman said.

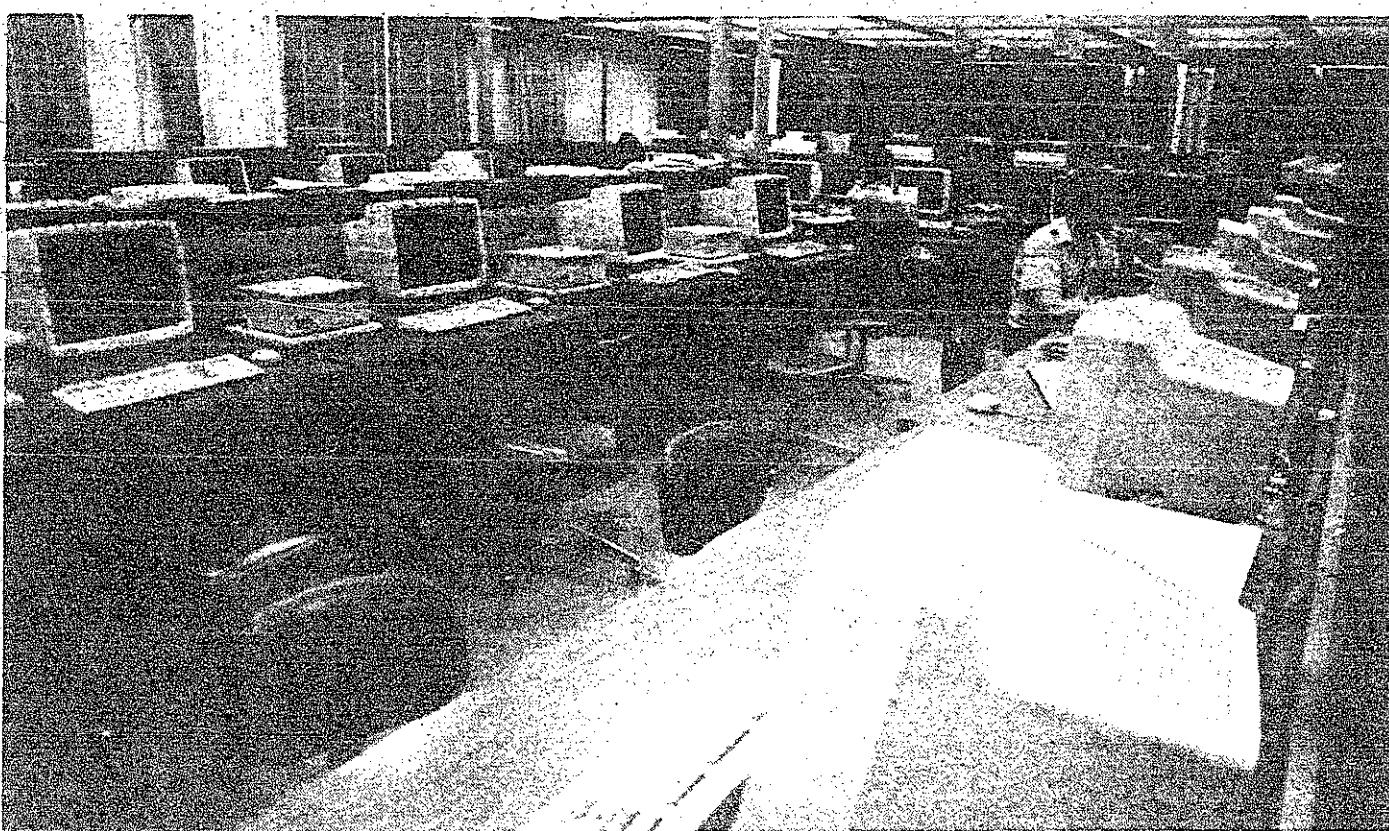
Another improvement the shift may have produced is in the quality of the evaluations that student papers receive. Phase II is designed to demonstrate a student's competence in professional discourse within his or her own field. In the writing committee's view, professors who read Phase II papers are best able to judge the quality and appropriateness of this kind of writing. Having departments administer the requirement, therefore, makes evaluations more accurate and complete, Perelman said.

### Criteria stringent but varied

Of course, with the shift of responsibility from a central, school-wide coordinator to the individual departments, procedures for fulfilling Phase II and criteria for "good writing" are bound to vary. "In Phase II, we are dealing with writing within a specific discipline," Perelman explained, so these types of criteria will be different "by definition." "I see nothing wrong with this."

Each department has adopted its own method for fulfilling Phase II. Contrary to some predictions, they are not lax, Perelman claimed. He singled out the Department of Aeronautics and

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Tech file photo

The Student Center's Athena cluster

## Athena report due next month

By Katherine Shim

The Committee on Academic Computation, whose job is to assess the past role of Project Athena and other academic computation at the Institute and make recommendations for the future, has finished collecting data. It will release a draft report of its findings late next month.

The draft's recommendations — which will likely include decentralizing control of the Institute's computer network — are expected to sharply define the role of academic computation at MIT. They will emphasize the use of computation as a tool to enhance undergraduate and graduate education, and will attempt to bring definition to the previously nebulous function of Athena in education.

To analyze past and future academic computing, the committee collected information from representatives from the five schools of MIT, the MIT Libraries, experts within and outside of the Institute, student and faculty surveys, and site visits to selected universities.

"Recently, the dean from each

of the five schools of the Institute sent someone to talk about the needs, recommendations, and past involvement of each school with academic computing," said committee spokesman Gregory A. Jackson '70. "We found that the needs of each school are quite different. The committee must try to accommodate these varying needs," Jackson added.

Its data collection process completed, the committee is presently writing a draft report which is scheduled to be circulated within the Institute in late February. The report will consist of ap-

proximately 20 recommendations concerning the organization of computing, sources of funding, and the educational role of computing.

After a period of discussion, a final report consisting of recommended courses of action will be drafted and presented to Provost John M. Deutch '61, who has promised he will act quickly on its implementation.

### Decentralizing control

Although the draft report will not be released until late February.

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## Dukakis says industry will recover soon

By Irene C. Kuo

Governor Michael S. Dukakis' upbeat projection for the 1990s contrasted with his call for the state to "get its fiscal house in order" at an economic summit held in the MIT Student Center last Friday.

Dukakis spoke of restoring not only the bond between himself and the people of Massachusetts, but also that among the people themselves.

"The '90s are ours to win — if we understand the challenges we face and if we tackle them together," he said.

Approximately 400 bankers, small businessmen, and representatives from hi-tech and biotech industries discussed the strategies and goals that Dukakis categorized into the global marketplace, the "knowledge base," the "mega-projects," "new tech" industries, and targets for

(Please turn to page 2)

## inside

Professor Lucian W. Pye discusses Tiananmen Square and the crisis of communism in China. Page 2.

Meet the first black volunteer regiment of the Civil War in Glory. Page 11.

Edward Zwick discusses his re-examination of history in Glory. Page 11.



# China expert Pye examines Tiananmen massacre

By Sophia Yee

The Tiananmen square crisis and how it fits into Chinese history was the focus of a lecture given on Monday by Professor Lucian W. Pye of the Department of Political Science. The lecture was part of the Independent Activities Period series, "Communism in Crisis."

According to Pye, Tiananmen has become a symbol of change and of the uncertainty that has overtaken the Communist world. "Tiananmen has become a word that fits in politics, like Hiroshima, the Berlin Wall, and Pearl Harbor," he said.

Pye emphasized that even though the country's mood remained good until 1987, many problems existed in China even four years before the Tiananmen crisis.

He said that Chinese leader Deng Xiaoping's ideas were focused on economic reform, and the West assumed that this would move China gradually towards capitalism and democracy. He added that "the Chinese thought a compromise between a market economy, a command economy and a socialist economy [would] be possible. However, the Chinese seemed to be having spurts — moving ahead, then stopping."

When Deng began his reforms, there was an "outburst of energy, and the mood of the people shifted from pessimism back to optimism." Discontent grew, however, as inflation aggravated agricultural problems, leading the government to give the peasants IOUs instead of cash for their grain, he noted.

Industry was also plagued with problems, including low labor productivity and slothfulness.

Large differences between state-set and free-market prices

created other difficulties, including an overheated economy — with inflation "as high as 28 percent" — and corruption at high levels, according to Pye.

He said that the key problem with China's ideological system was that it "tried to jump from a feudal to a socialist system without going through capitalism at all."

## Reform movement grows

In May 1986 — 30 years after intellectuals were expelled by Mao Tse-Tung into the countryside — the first student call for democracy took place. Even though it was quickly put down, the demonstration's leader, Fang Lizhi, became a hero to students and liberal intellectuals.

Rumors in Beijing in 1986 linked Li Peng, who would later be an instrumental figure behind the Tiananmen massacre, with the death of Hu Yaobang, a politician popular with students and intellectuals. In the aftermath of the 1986 crackdown, students began to assume the leadership of China's reform movement, Pye said.

For the Chinese, the saying "sticks and stones can break my bones but words can really shatter me" holds, according to Pye. The Chinese regime tried to paint the leaders of the 1986 demonstration as hooligans, and spread the idea that the students were misled. This escalated the confrontation between the government and students, Pye said. Three years later, this confrontation would result in the Tiananmen Square incident.

In May 1989, students began to occupy Tiananmen Square. The students in the square displayed heroism, standing up even in death, Pye said. He added that

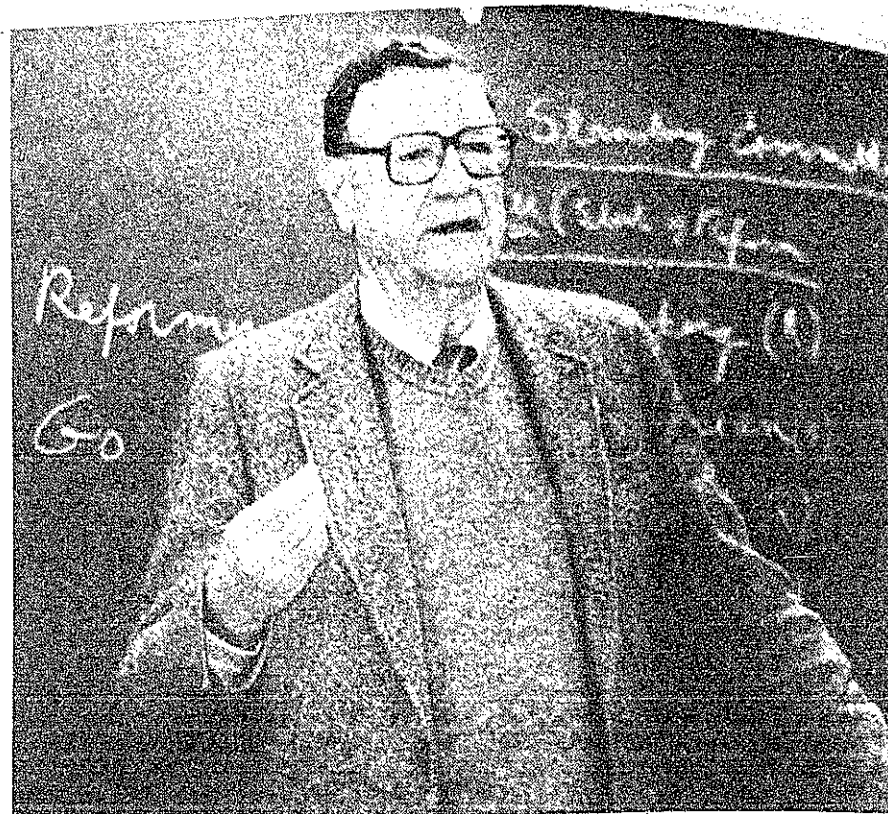
although some students began writing wills, they never expected to die.

The students understood that world attention would be focused on China for the 70th anniversary of the "May 4" democracy movement and for Soviet President Mikhail Gorbachev's visit at the month's end, Pye said.

On May 13, workers joined the students in a hunger strike. The mood was getting nasty, but students were committed to using non-violence as their approach towards reform.

Deng declared martial law at the end of May. The students wrote a final will "in defense of the people's square." On June 3, Deng ordered Chinese troops to clear the students out of the square, resulting in the massacre.

China found modernization difficult because it had a historic political order in which the emperor was equal to a moral god, Pye said. The government felt morally justified in using repression as a way to achieve stability.



Sean Dougherty/The Tech

Professor Lucian W. Pye lectures on "China and the Crisis of Tiananmen" as one event in a series of lectures about Communism in Crisis, sponsored by the political science department.

## Dukakis is optimistic about local industries

(Continued from page 1)

opportunity.

As New England is near the center of the "Atlantic Rim" — Europe and Canada — the Massachusetts economic community will have to be ready when the European Economic Community emerges in 1992, Dukakis said. While enthusiastic about the state's growing roles in both the Pacific and Atlantic Rims, he stressed the need for more companies to export.

"A handful of major Route 128 companies do the lion's share," he claimed. "Seventy percent of our small and medium-sized manufacturing companies do no exporting at all." Massachusetts must also try to prevent its high cost of energy from affecting the cost of its goods, he noted.

Dukakis said that the state budget shortfall has slowed the improvement in K-12 public education Massachusetts was beginning to see after passage of a 1985 education reform act. Only with good schools can the state realize the benefits of college opportunity and a first-class employment and training system, he said.

"In the next 20 years, 85 percent of all the new jobs we create in Massachusetts will require some post-secondary education," Dukakis stressed.

The "mega-projects" include cleaning up Boston Harbor; constructing the Artery-Tunnel, including sending the Central Artery underground and building

another harbor tunnel; restoring the commuter network from South Station to Plymouth, Greenbush, and Middleboro; establishing high-speed (three-hour) passenger rail service from Boston to New York to help decongest Logan Airport; and rebuilding state turnpikes.

Dukakis was explicit about the sources of funding for these projects. The Artery-Tunnel project is eligible for 90 percent federal funding, high-speed rail to New York will rely on partial federal support, and the turnpike reconstruction will require the first toll increase in ten years.

Fourth, Dukakis said that Massachusetts could encourage "new tech" industries by promoting sensible regulation in biotechnology; funding a one-year, post-secondary certificate program in biotech research; setting aside land for research and development; and fostering a partnership between the state's military technology transfer officers and the licensing operations of MIT and other research institutions.

Last, he stressed the need to expand regional economies by building industrial parks, creating affordable housing, and promoting the upkeep of highways and bridges by raising the state gasoline tax (now the fourth-lowest in the nation).

"There are vast opportunities that can be unlocked by the state," Dukakis said at the close of the morning session. "We need to create a culture of fire, a sense of urgency."

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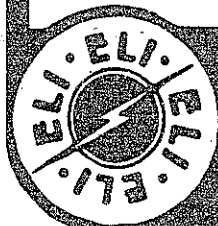
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# news roundup

from the associated press wire

## World

### Red Army clashes with Azerbaijanis

The Soviets are apparently not making strong inroads in settling the ethnic strife between Armenians and Azerbaijanis. Soviet media report that extremists ambushed a military convoy yesterday, killing two reserve soldiers and a woman bystander.

The attacks followed a demonstration on Monday in which hundreds of thousands — perhaps two million — marched through the Soviet republic's capital, mourning people killed when Soviet troops put down the uprising. The republic's legislature is threatening secession from the Soviet Union if the Red Army troops are not withdrawn. At a mass rally in Baku, Azerbaijanis denounced Soviet President Mikhail Gorbachev as "the butcher of the Azerbaijani people."

Moscow has also come under attack from Iran. A warning broadcast on radio Moscow said there would be "irrevocable consequences" if Iran did anything behind Tehran's back. Earlier, an Iranian legislator accused Gorbachev of ordering "a massacre" in the mostly Moslem republic.

### Yugoslavian communists may fall soon

There are predictions that Yugoslavia's ruling Communist Party is doomed. The country's liberal republic of Slovenia has walked out of a party congress in Belgrade. The Slovenian Communists complained on Monday that a reform plan proposed by the party does not go far enough. The leader of Serbia — another of Yugoslavia's six republics — warned that the party and the country now could face "grave consequences."

### Krenz forced out of Party

The ousted leader of East Germany's Communist Party is asking the people of his country to forgive him. Egon Krenz apologized on Monday for leading East Germany into crisis and for his role in secret police operations. Krenz was relieved of his leadership post early last month and kicked out of the party over the weekend. It was Krenz who initially opened the Berlin Wall.

On Monday, East German border guards began tearing down a 330-yard section of the wall, replacing it with a metal fence. A government official in West Berlin said he has been told by East German officials that more pieces of the wall will come down soon.

### Panamanian president does away with army

Guillermo Endara, who became president of Panama when United States troops came ashore, is abolishing his country's army. Endara made the announcement on Monday while in Costa Rica, which is the only Latin American country without a national army. Although other Latin American nations have become hesitant to recognize Endara as head of state, he was formally welcomed in Costa Rica.

Meanwhile, relatives of new detainees in Panama are complaining that the new government is acting like the ousted Noriega regime. The detainees are 14 military officers under the ousted general who have been charged with crimes. A lawyer for some of the prisoners charges that their human and civil rights are being violated by the government.

In another development, the United States admitted yesterday that the substance soldiers seized at a house used by Noriega in Panama last month was not cocaine. Pentagon officials conceded that the military was wrong in making the claim, and that they still aren't sure what the substance was.

### Crackdown in Haiti continues

A witness said on Monday that Haiti's military government continued its crackdown on dissent with police raids that halted newscasts on three independent radio stations in the northern part of Cap-Haitien. The newscasters had been reporting on weekend arrests, beatings, and the exile of political activists.

The Haitian ambassador to the United States resigned on Monday to protest the state of siege imposed in his country. The envoy, Pierre Francois Benoit, told reporters of "repeated violations of human rights" by Haiti's military government. The State Department is also complaining about the crackdown, and is calling on Haiti to rescind the decree.

## Nation

### Override expected on China bill veto

The Senate's chief Republican vote counter has all but thrown in the towel for President Bush. Alan Simpson of Wyoming said yesterday that there are far too few votes to turn back an attempt to override a veto of a measure protecting Chinese students from deportation. Simpson predicts Bush will lose in "a dazzler." A House vote is set for later today. The Senate expects to take up the issue tomorrow.

### Bush dismisses death threats

The White House is shrugging off reports that Colombian drug lords are plotting to shoot down Air Force One if President Bush attends next month's drug summit. Spokesman Marlin Fitzwater said Bush intends to go to Cartagena, Colombia, and that the Secret Service says it can provide security.

Colombia's ambassador to the United States said he does not believe the drug cartels have anti-aircraft missiles. If they did, he said, they would have used them already against government aircraft deployed in Colombia's war on drugs.

### FBI investigates mail bombing

Alabama junk dealer Wayne O'Ferrell admitted yesterday that the FBI is looking for a typewriter that he may have sold, but said that he "doesn't know anything about any of it." O'Ferrell, a former Baptist preacher, said he is praying for the FBI agents to have success in their search for evidence tied to the mail bomb killings of a federal judge and a civil rights lawyer. Agents refused to name O'Ferrell as a suspect in the case, even after they pumped out the contents of O'Ferrell's septic tank. The agency began searching O'Ferrell's business in Enterprise, AL, on Monday. They said that white racists appear to be behind the attacks.

### Bush speaks out against abortion

While President Bush was telling anti-abortion marchers he stands with them, the White House was trying to play down abortion as an election year issue. Presidential spokesman Marlin Fitzwater said Monday that Bush's anti-abortion stance is a "personal choice of conscience." The president addressed the annual "March for Life Rally" by telephone — but he spoke only 90 seconds.

### Jurors convict Internet hacker

Cornell University graduate student Robert Morris faces up to five years in prison and a \$250,000 fine for unleashing a computer "worm" that tied up 6000 computers connected to a government network. A federal jury in Syracuse, NY, convicted the 24-year old on Monday of federal computer tampering charges from the 1988 incident. Morris was the first person tried under the 1986 law against computer tampering.

The conviction of Morris came despite his lawyer's argument that the now suspended student made a programming error that caused his program to go berserk on Nov. 2, 1988. The prosecution contended that it was no mistake when the program immobilized thousands of computers, including ones at NASA military facilities and major universities.

Addison Cage, a quality program manager at Hewlett-Packard, remarked that prosecutors are finally dealing with deliberate security breaches, and added that this will send a strong warning to computer buffs everywhere.

### LaRouche plans to appeal

Political extremist Lyndon LaRouche said he plans another appeal of his tax and mail fraud convictions. He is also proclaiming his innocence in a statement issued through a spokeswoman. A federal appeals court in Virginia has upheld the 1988 convictions of the former presidential candidate and six associates. Larouche is serving a 15-year prison term.

### Homeless must be helped, Bush says

President Bush addressed the homeless issue on Monday in a speech to a gathering sponsored by a conservative magazine. The President called for renewal of tax incentives for low-income housing. He also told the conservative gathering that economic growth is the key to helping poor people gain the economic clout to work their way out of homelessness.

### Barry leaves DC for rehabilitation

Washington Mayor Marion Barry checked into a residential treatment center in West Palm Beach, FL, on Monday, but it wasn't long before he checked out. Just where he is heading now is not clear. The mayor left the nation's capital this morning — a day after he said he needed to heal his body and soul. Barry was arrested last week on a federal cocaine charge.

### Kemp fires five administrators

Housing Secretary Jack Kemp suspended five top officials of the Passaic, NJ, housing authority on Monday. They were accused of receiving excessive salaries. Investigators allege the head of the Passaic authority was paid nearly \$250,000 in 1988 — more than double Kemp's current salary.

### Weapons ban on Eastern Europe lifted

Presidential spokesman Marlin Fitzwater said on Monday that the sale of high-tech hardware to the East Bloc will not put United States strategic interest in jeopardy. The Bush Administration has decided to ease restrictions on the sale of advanced technology to Eastern Europe, reversing a 40-year ban. Fitzwater said the reversal comes because of the changing political and military environment in the East Bloc.

Meanwhile, on Tuesday, CIA Director William Webster testified before Congress that the Soviet Union can no longer be sure its European allies would respond to Moscow's military directives. But Webster said that the United States should still keep up its intelligence system.

### Nissan ads raise concern

The Insurance Institute for Highway Safety wants Nissan to pull its television commercials for the 300-ZX Turbo sports car, charging that it promotes "excessive and unsafe speed." Nissan said on Monday that the ad showing the car outrunning a jet plane is an obvious fantasy that no one would take seriously.

### Fieros being recalled by GM

General Motors is recalling every four-cylinder Pontiac Fiero ever made — 244,000 of them — because of a nagging engine-fire problem. The two-seat sports car was an immediate sales success in September 1983, but its demise at the end of the 1988 model year came nearly as quickly, partly because of the engine-fire problem.

## Local

### Littleton shaken by earthquake

An earthquake shook the Littleton-Boxborough area Monday night, but seismologists said it did little more than rattle dishes. Dr. John Eberl, assistant director of Boston College's Weston Observatory, said the tremor measured 2.5 on the Richter scale. He said it was detected at 7:41 pm with an epicenter about two miles south of Littleton. Eberl said that an earthquake of that force would not cause much damage.

Boxborough police officer Richard Priest said there were no reports of injury or damage following the earthquake. He said it shook the town's police building and was loud. Eberl said there are several geological fault lines that run through the area.

## Weather

### Meltdown under cloudy skies

A warm front passing to the north today will bring showers to sections of New England. Following the passage of this front, milder cloudier weather will be the rule for the rest of the week. A low pressure center developing in the southeast United States on Thursday will bring rain and showers to the region Thursday afternoon through Friday. Slightly cooler weather is anticipated for the weekend with the best chances for precipitation on Sunday.

**Wednesday afternoon:** Showers ending early. Then mostly cloudy and milder. High around 48°F (9°C). Winds southwesterly 10-15 mph (16-24 kph).

**Wednesday night:** Partly cloudy to mostly cloudy with areas of fog. Low around 40°F (4°C). Winds south-southwest 10-15 mph (16-24 kph).

**Thursday:** Cloudy, foggy with showers arriving by early afternoon. A period of steadier rain is likely by evening. High 48°F (9°C). Low 40-42°F (4-6°C). Winds south-southwest 10-20 mph (16-32 kph).

**Friday:** Cloudy, breezy, and slightly cooler with rain showers. High near 45°F (7°C). Low 35°F (2°C).

Forecast by Greg Bettinger  
Michael Hess  
Michael C. Morgan  
Yeh-Kai Tung  
Marek Zebrowski

Compiled by Reuven M. Lerner



# opinion

## Being a nerd isn't everything

Column by Reuven Lerner

The world must be coming to an end. Nerds are finally "in."

In his letter ["MIT's glorious nerd heritage must not be forgotten," Jan. 10], Professor Hal Abelson PhD '73 tells us how wonderful it is to be a nerd. That is, he tells us how the "international competitiveness" of the United States depends on "intellectually intense" students.

In a way, he is right. If each American spent every moment working at a single task, the United States would indeed become a formidable competitor in the world market.

But at what expense?

In the Soviet Union, potential athletes and artists are identified at young ages. From their teenage years onward, they work at perfecting a single skill — be it gymnastics, chess, or ballet. Those who cannot stand the pressure, or who aren't as talented as originally supposed, leave. Those who do stay, though, are lauded as geniuses and prodigies, and live long, happy lives.

Or do they?

World chess champion Gary Kasparov can play a great game of chess, to say the least. But chess seems to be the only thing he can relate to; the world to him is one gigantic tournament. *The New York Times*, in describing Kasparov's victory over Deep Thought — the world's best chess computer — quoted the grandmaster from several years ago: "If a computer can beat the world champion, the computer can read the best books in the world, can write the best plays, and can know everything about history and literature and people. That's impossible."

Have I missed something? Are computers that play chess about to take over the world? Is chess the last place on earth where man controls machine? Of course not. At least, any well-educated person wouldn't say so.

But that's just my point. Being the best at something, even the world's best at something, doesn't make you educated. It makes you an automaton, able to do one task extremely well. And MIT, for all the changes in admissions policies, still admits many automatons — people who cannot see beyond their field of study. The world is simply an extension of their laboratory.

There are those who see nothing wrong with this. After all, they say, if I am going to spend my entire life in research, why should I waste valuable time studying other things?

My answer: Because you're human, that's why. And being human isn't simply getting up in the morning, making great discoveries, and going to sleep. Instead, it is thinking about ourselves and our fellow humans. It is using all of the emotions that we have — and we have many of them — to express joy and sadness, awe and excitement, as we interact with our world. And it is proving that we are unique, special, individuals, not merely small cogs in the machinery of the universe.

Some people at MIT have recognized this "human factor" for a long time. IAP is not "UROP

Period," or "Reduced-number-of-units Period," or even "Catch-up-on-incompletes Period," but "Independent Activities Period" — a time for each of us to catch our breath, explore subjects that we normally wouldn't have time for, and talk to other people at MIT as people rather than as professors and students.

Don't get me wrong — research is certainly not a bad thing, and I am a very proud UROP participant. I just wish that people would stop thinking of UROP as the central MIT experience, when there are so many other things to do.

When I was first considering (and being considered by) MIT, my interviewer went to great lengths to tell me about the wide range of extracurricular activities. Unfortunately, he was one of the few non-students I have met who has actually supported my involvement in these activities. Professors appear — at best — slightly upset when I mention that I don't divide my time equally between Tech Square and problem sets. They don't seem to appreciate the need for personal growth in areas other than the sciences. Why should I suffer because I enjoy writing? Shouldn't the Institute be encouraging me to develop new skills?

Of course they should, and there is at least one place where that is happening. The Undergraduate Admissions Office has taken great strides lately towards "de-nerdification." No longer does your application to study at the world's finest science and engineering school depend on your science and engineering skills alone. You must also show some skills at dealing with people. There are hundreds of human calculators out there, but how many of them can function outside of the world of problem sets?

Professor Abelson does make several good points, however. Chief among them is that MIT should not try to make itself into a second Harvard or Yale. I agree. We should continue to expect the most from our students. And we should continue our long-standing tradition of producing some of the world's finest scientists and engineers.

Leonid Fridman, a founder of the Harvard Society of Nerds and Geeks, wrote last week in *The New York Times* that "the anti-intellectual values that pervade our society must be fought." I agree. And if being a nerd or a geek simply means being serious about education, then may MIT continue to attract the world's brightest and most capable nerds.

If, on the other hand — as Professor Abelson would have it — nerds are those who sacrifice personal development for the sake of a single, external goal, then I hope that Harvard does become more closely identified with nerds than we. Because a university's reputation is one of its most important assets, and I would hate to see Harvard come close to approaching ours.

Reuven M. Lerner, a sophomore in the Department of Electrical Engineering and Computer Science, will be a news editor of *The Tech* next term.



## TheTech

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WIRE

# SOMET UNIO





# opinion

## LETTERS TO THE EDITOR

### Defense research funding clarified

I would like to comment on the third paragraph from the end of the article, "FAC takes input in presidential search" [Jan. 10], in which Professor Eugene B. Skolnikoff '49 and I are quoted.

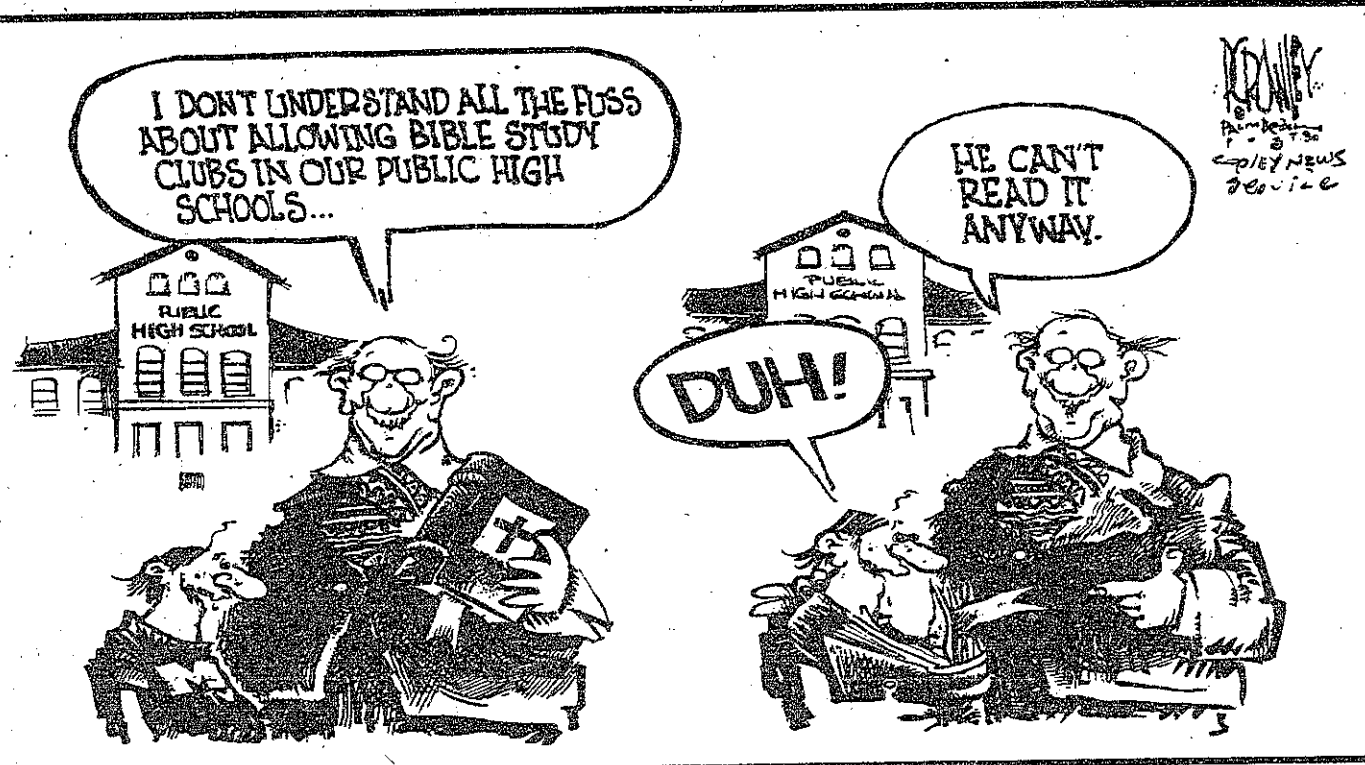
I was quoted as saying that "while 40 percent of MIT research was defense-sponsored in 1980, that percentage increased to 66 percent in 1989." I think that I had a few disclaimers of accuracy in my statement, since I calculated the percentages on the spot from remembered numbers. In any case, Department of Defense funding of MIT's total research and development budget (on-campus plus Lincoln Laboratories) increased by 38 percent from 45.5 percent of the total R & D budget in fiscal year 1979 to 63.0 percent in FY88.

Professor Skolnikoff is quoted as saying "that on-campus military research had not increased during that period." My memory is that he just said that on-campus research did not increase as much, but in fact, even that is incorrect. Calculations based the annual "MIT Report of Sponsored Research" indicate that DOD funding of on-campus research increased by 61 percent from 10.8 percent of on-campus R & D in FY79 (the lowest percentage since World War II) to 17.4 percent in FY88.

I would also like to clarify the description of my comments. I do not advocate that the administration of MIT should forbid DOD funding of MIT on-campus research. However, the present administration has done much more than be neutral on the source of funding; it has actively supported increases in DOD funding of university R & D. President Paul E. Gray '54 has gone to Washington, DC, to speak in favor of such increases, and has supported lobbying by the Association of American Universities to achieve this result. Provost John M. Deutch '61 is on record supporting the 1988 Defense Science Board Fuhrman report that concluded that the DOD should expand its funding of R & D into civilian areas to maintain its 66 percent share of all federal funding of R & D in a time of threatened DOD cutbacks.

In the next MIT administration this dependence on DOD should be replaced by a clear vision of how both the most interesting basic research and the R & D relevant to real national needs could best be supported, and the next MIT president should have the leadership qualities to help achieve this nationally.

Vera Kistiakowsky  
Professor of Physics



### Alumnus recalls favorable fraternity experiences

(Editor's note: The Tech received a copy of this letter addressed to Provost John M. Deutch '61.)

In recent issues of *The Tech*, which I receive on a lifetime basis as a former general manager, I have received the impression that freshmen may be prohibited from living in a fraternity during their freshman year. I fervently hope this will not come to pass, and I write to emphasize my conviction.

When I came to MIT as a bewildered freshman from a small Alabama high school in 1940, I was invited to stay in the Delta Tau Delta fraternity upon arrival.

I did so, joined (without pressure) and remained there until the day I graduated. I later lived in a dormitory for two years while working for my PhD and I feel I have the experience to compare fraternities and dormitories.

As an unsophisticated freshman, I found the warm friendship, sound counsel, support and other resources of the fraternity to be invaluable. Without these, I might not have made it past the first year (pass/fail did not exist then). However, I was on the Dean's list every semester and received a William Barton Rogers Award (then made for "outstanding services").

There was never any vestige of the "Animal House" aspect Hollywood likes to inflict on fraternities. On the contrary, our group was a dedicated, hard-working, mutually supportive group of fine young men.

The possible lack of democracy in fraternity choices always has troubled me, but the answer, I hope, might lie in making the advantages available to any student who wishes them rather than in curtailing them seriously by artificial and unnecessary rulings.

Lamar Field '44  
Professor, Emeritus,  
Vanderbilt University

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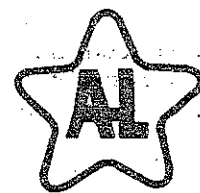
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Paul Kelley, Founder and President, Zero Stage Capital Equity Fund  
Ellen Kelliher, Investment Analyst, Massachusetts Technology Development Corporation
- Wednesday Jan 24** *Part I: Building the Entrepreneurial Team.*  
Phil Orso, Consultant & Entrepreneur; former Chief of Operating Office Computek; founder and former  
Vice President of Cognition; former Vice President of ATEX Corporation  
Nancy Faunce, Vice President of Eastman Kodak and General Manager of Kodak Legal Systems Division  
Willow Shire, Secretary of the Corporate Operations Committee, Digital Equipment Corporation  
*Part II: ●Special Live Presentation and Analysis of a Startup Company●*  
Herb Rush, President and founder of Brixton Systems, Presenter  
Heney Crouse, Vice President of Strategic Alliances, Digital Equipment Corporation  
Phil Orso (see above)  
Nancy Faunce (see above)
- Thursday Jan 25** *Marketing and Sales in the High Tech Company: What is its role and how does it work?*  
Dale C. Troppito, Principal, Managing Technology; Former Vice President of Software Development,  
Lotus Development Corporation  
Susan Lane, Senior Partner, Marketing Advantage  
Kenneth P. Morse, Director, Aspen Technology, Inc.  
Ralph E. Grabowski '63, Marketing Consultant
- Friday Jan 26** *Putting Theory into Practice: Getting Started*  
*Part I: Legal and Organizational Issues*  
Gabor Garai, Partner, Migram Thomajan & Lee  
Susan Pravda, Partner, Migram Thomajan & Lee  
*Part II: Utilizing Directors and Advisors (features more live analysis of plans)*  
Judith H. Obermayer, PhD, President of Obermayer Associates  
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Dr. Unger '70 has been a founder and/or officer of several successful technology based companies, and is also a co-founder of the MIT Enterprise Forum and its vice-Chairman elect. He is currently Associate Professor at Boston University where he is developing programs in the management of Innovation and Technology.

Dr. Wulf is Group Planning Manager/Product Marketing at Digital Equipment Corporation. She is a member of the Enterprise Forum's executive committee, and serves on the faculty of Northeastern University on an adjunct basis.

**THESE SESSIONS ARE FREE AND ARE OPEN TO MIT STUDENTS, FACULTY, AND STAFF, AND MEMBERS OF THE COMMUNITY. EACH SESSION MAY BE ATTENDED BY ITSELF OR AS PART OF THE FIVE DAY COURSE.**

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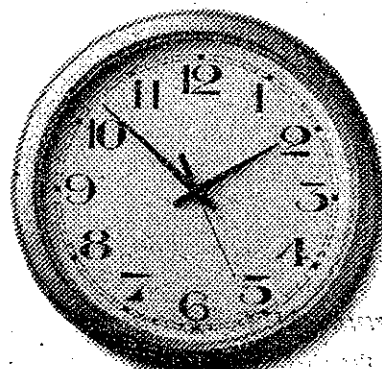
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## ARTS

# Enemies, A Love Story celebrates triumph of human spirit

## ENEMIES, A LOVE STORY

Directed by Paul Mazursky.  
Starring Ron Silver, Anjelica  
Huston, and Lena Olin.  
Now playing at the Nickelodeon.

By ANNABELLE BOYD

**P**AUL MAZURSKY'S WONDERFUL new film, *Enemies, A Love Story*, is a textured examination of healing. In the richly detailed interactions of its four main characters, *Enemies* captures the chaotic tumble of human emotions shattered by wholesale death, pummeled by the burden of faith, and renewed by the death-denying persistence of human sexuality.

Based on the novel by Isaac Bashevis Singer, *Enemies* traces the exploits of Herman Broder (Ron Silver), a Holocaust survivor who lives in Coney Island, New York in 1949 with his second wife Yadviga (Margaret Sophie Stein). Nervous and guilt-ridden, Herman is haunted by nightmares because he managed to survive the Nazis while his first wife Tamara (Anjelica Huston) and their two children died in

concentration camps. He makes a living writing speeches with names like "Mixed Marriages: The Plague of the Jews" for a wheeler-dealer Central Park West rabbi.

His marriage to Yadviga, his family's servant before the Nazi invasion of Poland, is a loveless act of gratitude to the woman who sheltered him in her barn during the end of the war. Yadviga, simple-minded and fiercely loyal, can understand neither the source of Herman's suffering nor his intractable disdain for the future. Embittered and lonely, Herman finds himself at odds with the optimism of post-war America.

In search of solace, he turns to Masha (Lena Olin), a beautiful Holocaust survivor who proudly displays her camp identification number and irreverently mocks the ideals she held before the war. "God doesn't care," she says in bleak triumph. Masha uses her considerable wit to enliven her relationship with Herman and to spar with her mother, but her laughter is always frantic, tinged with regret and bitterness. Her desperate bouts of sex with Herman help them both to forget the past that haunts them and to delay the challenge of

the future which awaits them.

When a mysterious ad appears in the newspaper for Herman asking him to meet the uncle of his first wife, he is shocked to discover that Tamara is alive after all — with two bullets in her hip, she crawled out of an open grave in a rainstorm and fled to Russia. Overburdened with three women, Herman cannot decide what to do, so he does nothing except struggle to keep up the pretense of each of his three lives. When both Masha and Yadviga announce that they are pregnant, his romantic farce comes to a hectic, honest crisis.

It is here that Mazursky — with gentle humor and insight — explores the role of sex as a life-line. Like Singer, Mazursky is unjudgmental about sex. Even when it is merely desperate, it is seen as a welcome assertion of the life force in the face of the overwhelming death that has weighed on, but not yet crushed, these characters. Hammered into immobility by his wartime trauma, Herman cannot settle in one place with one woman. Nevertheless, his sexual encounters with Yadviga, Masha, and Tamara represent the fighting resiliency of

(Please turn to page 10)

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The second concert, to be conducted by Craig Smith, will be a performance of Stravinsky's *L'Histoire du soldat* with narrators Sue Ellen Kuzma and Drew Minter. The Walton *Façade* will also be presented.

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Anjelica Huston plays Ron Silver's long-lost wife in *Enemies, A Love Story*.

## Enemies a complex, heart-breaking, and funny film

(Continued from page 9)

his spirit. The birth of Yadwiga's child demonstrates the ultimate promise of human sexuality to create another generation to replace the one taken by hatred and cruelty.

*Enemies* derives much of its power from its cast. Silver, who won last year's best actor Tony for *Speed-the-Plow*, gives the film its moral center. His Herman is fully realized — his pain, his weaknesses, and his fears drive the film, often pushing it from funny to tragic and back again in the same scene. Huston, Olin, and Stein are incandescent as the three women in Herman's life. Olin in particular is riveting in her portrayal of the unstable Masha. Alan King, who plays Herman's boss, Rabbi Lembeck, is hilarious and the perfect foil for Herman's indecisive nature. Mazursky, who makes an appearance in the film as Masha's first husband, is both appropriately petty and wise.

*Enemies* is an unusually complex film, heart-breaking and funny. In bringing the vitality of Singer's novel to the screen, Mazursky has created a film which celebrates the ability of the human spirit to rage and endure and overcome even the greatest of tragedies.

## On The Town

Compiled by Peter Dunn

Wednesday, Jan. 24

### CONTEMPORARY MUSIC

\*\*\* CRITICS' CHOICE \*\*\*  
The Mighty Lemon Drops and The Ocean Blue perform in an all ages show at 7 pm at the Paradise, 967 Commonwealth Avenue, Boston. Also presented in a 21+ ages show on Thursday, January 25 at 8 pm. Telephone: 254-2052.

The Bristols, Johnny & The Jumper Cables, Smack Tan Blue, and Sarah Laughs perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$3.50. Telephone: 451-1905.

Enuff Z Nuff, The Front, and Flesh perform in an 18+ ages show at 9 pm at Axis, 13 Lansdowne Street, Boston, near Kenmore Square. Telephone: 262-2437.

The Hypnosonics, Bad Art Ensemble, Morphine, and The Pale Brothers perform at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Agent 99, The Sky Blues, and Mom Over Dad perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$3.50. Telephone: 426-7744.

Bulkhead performs in an 18+ ages show at Ground Zero, 512 Massachusetts Avenue, Cambridge. Telephone: 492-9545.

One World performs at the Western Front, 343 Western Avenue, Cambridge. Telephone: 492-7772.

### JAZZ MUSIC

Betty Carter and her Trio perform at 9 pm at the Regattabar, Charles Hotel, Harvard Square, Cambridge. Also presented January 25-28. Tickets: \$10 to \$14 depending on day. Tel: 661-5000.

### CLASSICAL MUSIC

Boston Classical Orchestra performs works by Rossini, Haydn, Hummel, and Schubert at 8 pm in Faneuil Hall, Congress and North Streets, Boston. Also presented Friday, January 26. Tickets: \$12 and \$18 general, \$8 seniors and students. Telephone: 426-2387.

Classical guitarist William Kanengiser performs works by Bartok, Mozart, Brian Head, Handel, Dionisio Aguado, John Anthony Lennon, and Turina in a Longy Guest Artists concert at 8 pm in Edward Pickman Concert Hall, Longy School of Music, Follen and Garden Streets, Cambridge. Tickets: \$5. Telephone: 876-0956.

### FILM & VIDEO

The MIT Lecture Series Committee presents The Cartoon Festival at 7 pm & 10 pm in 26-100. Admission: \$1.50. Telephone: 258-8881.



The Mighty Lemon Drops perform at the Paradise on January 24 and 25.

\*\*\* CRITICS' CHOICE \*\*\*  
The Coolidge Corner Theatre Foundation continues its *Best of the Coolidge* film series with *Closely Watched Trains* (Jiri Menzel, 1966) at 5:45 & 9:45 and *The Shop on Main Street* (Jan Kadar, 1965) at 7:25 at 290 Harvard Street, Coolidge Corner, Brookline. Also presented Thursday, January 25. Telephone: 734-2500.

The Museum of Fine Arts begins its series *Architects On Film* with Antonio Gaudi (1985, Hiroshi Teshigahara, Japan) at 6:00 in Remis Auditorium, 465 Huntington Avenue, Boston. The MFA also continues its series *The Art of Music Video* with *From Russia With Rock* (1988, Marjaana Mykkanen, Finland/USSR) at 7:30. Tickets: \$5 general, \$4.50 MFA members, seniors, and students. Telephone: 267-9300.

SCC's Strat's Rat presents *Chuck* at 9:30 in Lobdell, MIT Student Center. No admission charge with MIT/Wellesley ID.

Hot, Like Fire, Spellbound, and Story Lives perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Childhood, Brahmin Caste, and Natives perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 247-8309.

Joanna Connor performs at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

(Please turn to page 12)

Thursday, Jan. 25

### CONTEMPORARY MUSIC

\*\*\* CRITICS' CHOICE \*\*\*  
Zulus and Das Damea perform in an 18+ ages show at 9 pm at Axis, 13 Lansdowne Street, Boston, near Kenmore Square. Telephone: 262-2437.



The Zulus perform at Axis on Thursday, January 25.



*Closely Watched Trains* at the Coolidge Corner on Wednesday, January 24.



## ARTS

# Black Civil War soldiers receive fitting tribute in Glory

## GLORY

Directed by Edward Zwick.  
Based on a novel by Fay Weldon.  
Starring Matthew Broderick,  
Denzel Washington, Cary Elwes,  
and Morgan Freeman.  
Now playing at Loews Theaters.

By MICHELLE P. PERRY

**T**HE CIVIL WAR is the bloodiest war in the history of the United States, and countless books, movies, and television miniseries have told the story of brave white men fighting to free the slaves. What has been neglected is the fact that thousands of black soldiers also fought in the Civil War. The film *Glory* seeks to rectify this omission and to honor the black men who gave their lives for freedom.

*Glory* is the story of the 54th Regiment of Massachusetts Volunteer Infantry, the first regiment of black soldiers in the Civil War. Kevin Jarre's screenplay is based on two historical novels and the letters of the regiment's commander, Colonel Robert Gould Shaw.

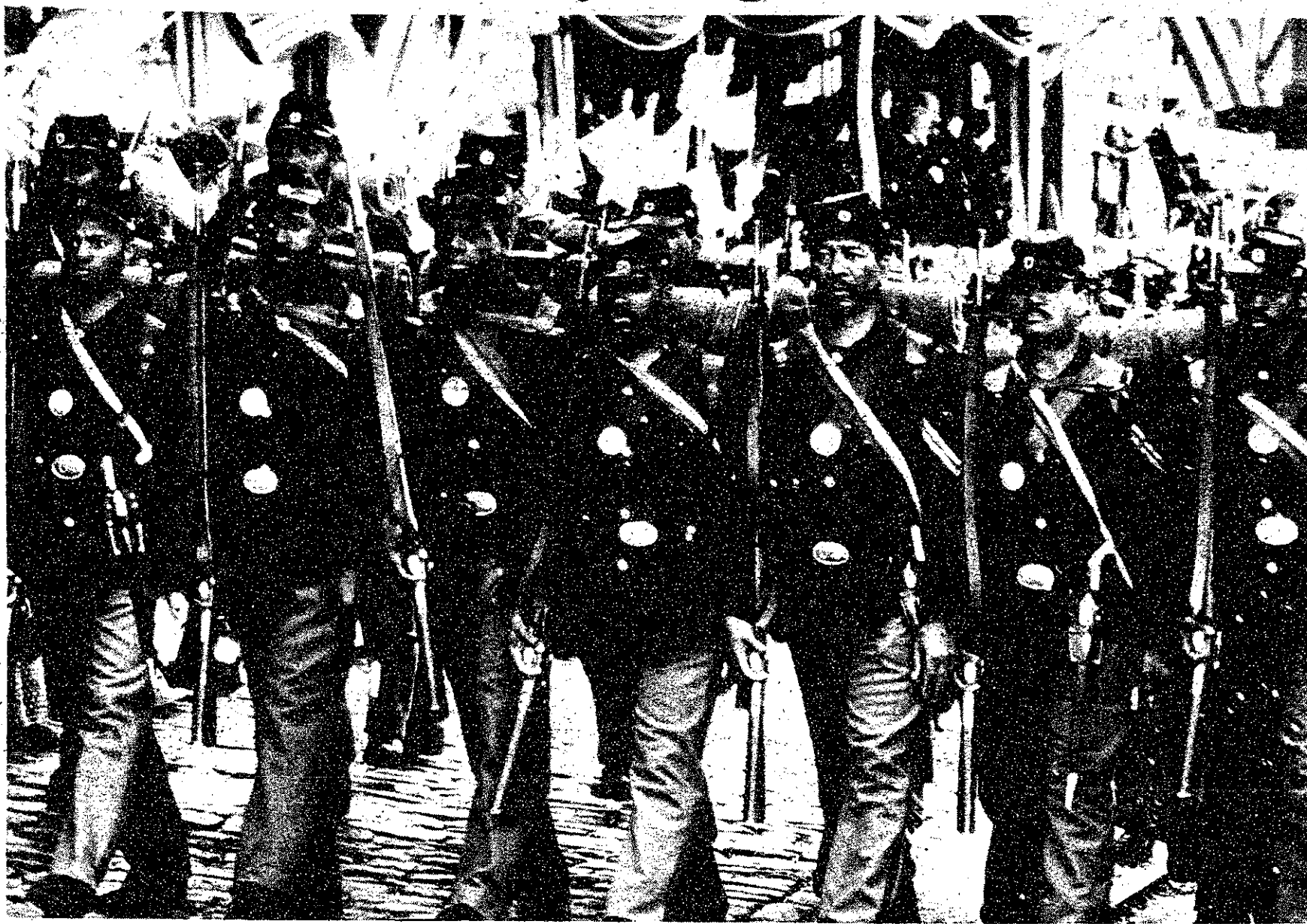
Shaw, played by Matthew Broderick, is the only non-fictional character in the film. It is Broderick's most mature and challenging role to date, and is the first opportunity he has had to play a character his own age.

Shaw has been raised to have a progressive attitude towards blacks. However, his position of authority as regimental commander forces him to behave in a manner which could be mistaken for coldness and contempt towards the blacks under his command. For example, a second-generation free black who is a life-long friend of Shaw enlists in the 54th. Shaw is forced to treat him as he would any other enlisted man, which means that his friend needs to request permission in advance to speak to Shaw. Broderick plays this dual nature of the role very well, and the audience never loses sight of the true self beneath the commander's exterior.

Denzel Washington plays Trip, a runaway slave who joins the 54th. His performance is a masterpiece of barely controlled energy and emotional intensity. Trip undergoes the most dramatic growth in the film, from a bitter, resentful troublemaker to the standard bearer of the regiment. The scene in which Trip is whipped for desertion is the most moving moment of the film, and Washington's performance during that scene alone should earn him an Academy Award nomination.

Despite the fact that Matthew Broderick has top billing, it is Denzel Washington who is truly the star of this film. This is not because Washington has as much screen time as Broderick. It is simply the sheer power of Washington's performance that makes him stand out.

The rest of the talented cast includes Cary Elwes (*The Princess Bride*) as a friend and fellow officer of Shaw's,



Soldiers of the 54th Regiment of the Massachusetts Volunteer Infantry parade through the streets of Boston.

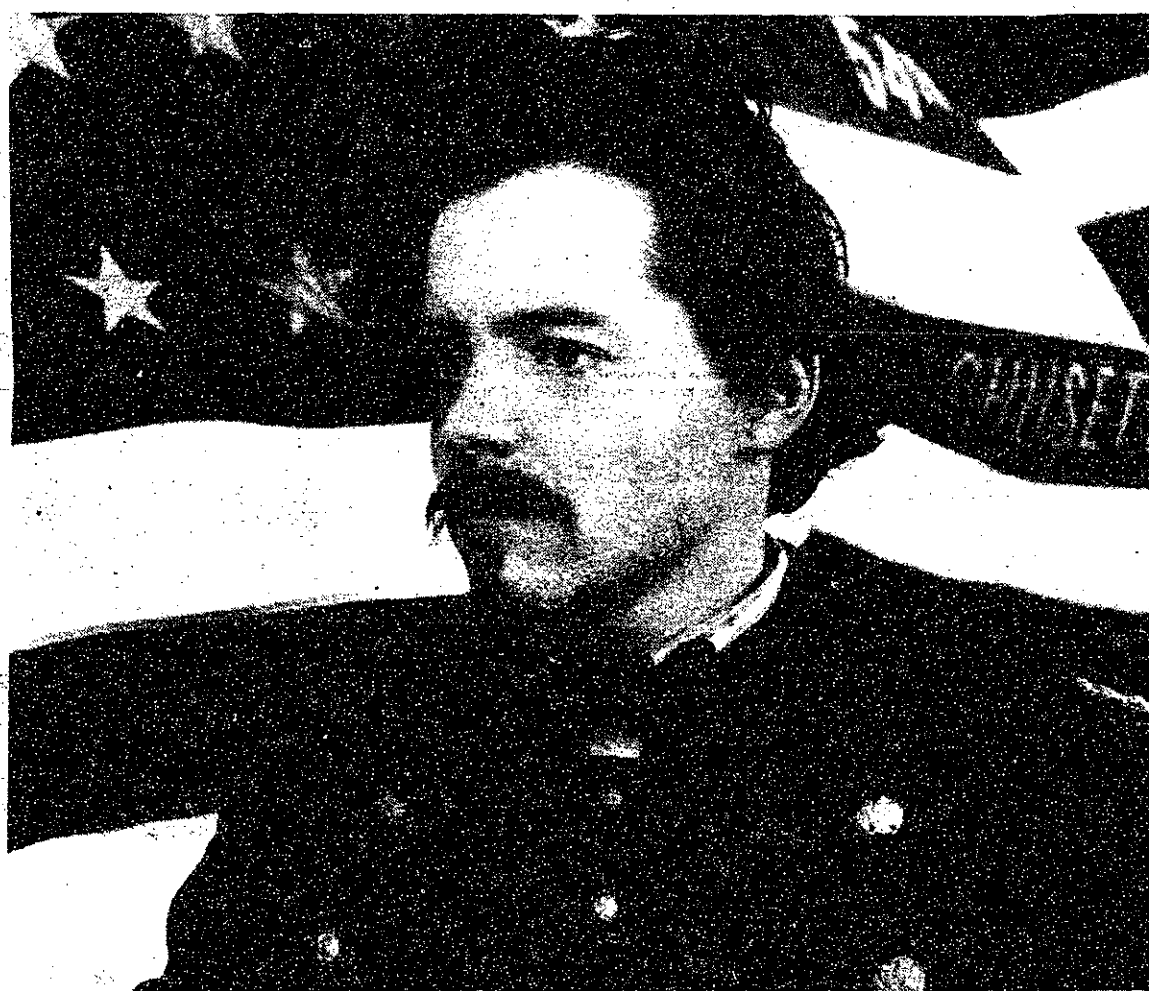
Morgan Freeman (*Lean on Me*) as a former gravedigger who rises to the rank of sergeant major, Jihmi Kennedy as a crack shot backwoodsman, and Andre Braugher as Shaw's intellectual friend who signs up as his first recruit.

James Horner's score is an integral part of the film. Its sweeping emotionalism effectively mimics and enhances the emotions brought forth by events as they take place.

The battle scenes are unforgettably staged and filmed, especially the final conflict. Unfortunately, most of the rest of the film is a bit too closed in, almost as if it were heading straight for television.

Some criticism has been directed at Zwick because of the emphasis placed on the white characters in the story. A quick glance at *Glory* may reveal it to fit into the mold of recent anti-apartheid films, which portray blacks fighting under the guidance of white mentors. However, *Glory* is not about white officers in charge of a black regiment. It is about a group of black men who are training for combat and the interaction of white soldiers and black soldiers as they struggle towards a common goal.

The heroic actions of the 54th Regiment helped undermine the North's resistance to black soldiers. Eventually a total of over 180,000 blacks enlisted. *Glory* is a fitting tribute to these men.



Matthew Broderick plays Colonel Robert Gould Shaw, commander of the black regiment.

## Glory director Edward Zwick discusses motivations behind the film

## AN INTERVIEW WITH EDWARD ZWICK

Director of the film *Glory*.

By MICHELLE P. PERRY

**G**LORY IS THE STORY of the 54th Regiment of Massachusetts Volunteer Infantry, the first black fighting unit raised in the Civil War. Its director, Edward Zwick, is previously known for his work as co-creator of the television series *thirtysomething* and as director of the film *About Last Night*.

How did did a man famous for yuppie drama *thirtysomething* get involved with a film about the Civil War, and what does he think potential audience members will expect of him? Zwick responds: "I am proud of my work. I am proud of both *thirtysomething* and *Glory*. I don't think people will walk in (to *Glory*) expecting 1860s something." Zwick was brought into the project by producer Freddie Fields, who knew that Zwick would not be able to pass up the powerful script.

For Zwick, *Glory* is not an attempt to out-do *Gone with the Wind*; rather, it is a chance to re-examine history. "There is a segment of the American population that has been excluded from the national myth, and that should be redressed."

Zwick cites two non-fictional novels on which the screenplay is based. However, he has been criticized because the only non-fictional character is Colonel Robert Gould Shaw, played by Matthew Broderick. Zwick acknowledges that the black characters are composites of actual soldiers, but the general framework of the

plot is based on fact.

The facts about the 54th Regiment are startling. Its commander, Colonel Shaw, was a 25-year-old veteran of the Battle of Antietam. The regiment was assembled in 1862 despite a proclamation by Confederate President Jefferson Davis that any Negro taken in arms against the Confeder-

acy would immediately be returned to a state of slavery and any Negro taken in federal uniform would be summarily put to death. The Confederate Congress later declared that any white officers taken in command of Negro troops would likewise be put to death. On July 18, 1863, Shaw volunteered the 54th for the honor of leading the charge against Fort Wagner, a key fortification guarding the entrance to Charleston Harbor. At the end of the battle, one half of the 1000-man regiment was taken prisoner, wounded, missing in action, dead, or dying.

Zwick defended his choice to tell much of the story of the first black Civil War regiment from the white officers' point of view. "I think the choice was to try to focus on neither blacks nor whites, but on the regiment. One of the points of the story was to explore a time in which both blacks and whites found some commonality of purpose." The fundamental focus of the film is not Shaw and the rest of the officers but "the coming together of the regiment, in all its aspects."

Zwick also suggested that Boston moviegoers visit the monument to the 54th Regiment sculpted by Augustus Saint-Gaudens. It is located on the Boston Commons.

Edward Zwick, director of *Glory*.



# On The Town

## THEATER

\*\*\* CRITICS' CHOICE \*\*\*  
MIT Dramashop Workshop Performance presents script-in-hand readings of new works by students at 8 pm in 6-120. Also presented January 26 and 27. No admission charge. Telephone: 253-2877.

\*\*\* CRITICS' CHOICE \*\*\*  
The Opera Company of Boston, with soprano Yoko Watanabe, performs Puccini's *Madama Butterfly*, at 8 pm at the Opera House, 539 Washington Street, Boston. Also presented January 28, February 4 & 11 with Sarah Reese, and April 21 & 28 with Catherine Lamy. Tickets: \$25 to \$75 (see also reduced-price tickets for February offered through *The Tech* Performing Arts Series). Tel: 720-3434.

*Black Witness*, a dramatic collage from the life and writings of James Baldwin, is presented by TheaterWorks at 8 pm at the Tufts Arena Theater, Medford. Also presented January 26 and 27. Tickets: \$5. Telephone: 497-1340.

Hedda Gabler, Ibsen's drama transferred to postwar American suburbia, opens today at The Performance Place, 277 Broadway, Somerville. Continues through February 10 with performances Thursday-Saturday at 8 pm. Tickets: \$10 general, \$8 students. Tel: 623-5510.



Yoko Watanabe and the Opera Company of Boston perform *Madama Butterfly* on Jan. 25 & 28.

## JAZZ MUSIC

The Rod Williams Band performs at the Western Front, 343 Western Avenue, Cambridge. Telephone: 492-7772.

## CLASSICAL MUSIC

The Philharmonia Orchestra, Giuseppe Sinopoli conducting, performs Strauss' *Death and Transfiguration* and Brahms' *Symphony No. 1* as a presentation of the Boston Symphony Orchestra at 8 pm in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Also presented January 26 at 2 pm and January 27 at 8 pm. Tickets: \$17 to \$45. Telephone: 266-1492.

## FILM & VIDEO

\*\*\* CRITICS' CHOICE \*\*\*  
The Museum of Fine Arts presents Michelagnolo: *Self Portrait* (1988, Robert Snyder) at 4 pm, 6 pm, & 8 pm in Remis Auditorium, 465 Huntington Avenue, Boston. Tickets: \$6 general, \$5 MFA members, seniors, and students. Telephone: 267-9300.

Friday, Jan. 26

## CONTEMPORARY MUSIC

Think Tree performs at 10 pm at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

The Stompers, Nor'easters, Big Train, Valkyrie, and One Horse Opera perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$4.50/\$5.50. Tel: 451-1905.

Bim Skala Bim, Chuck, and Mason Vincent perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

See No Evil, Drumming On Glass, Scatterfield, and World of Form perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 247-8309.

Bobby Radcliff performs at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Shelly Thunder performs at 8 pm & 11 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Tickets: \$12. Telephone: 497-8200.

The 1 Tones perform at the Western Front, 343 Western Avenue, Cambridge. Telephone: 492-7772.

Big Blues Meannies and Black Water Junction perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$5. Telephone: 426-7744.

## FILM & VIDEO

\*\*\* CRITICS' CHOICE \*\*\*  
The MIT Lecture Series Committee presents *This is Spinal Tap* (Rob Reiner) at 7 pm & 10 pm in 26-100. Admission: \$1.50. Telephone: 258-8881.

The Coolidge Corner Theatre Foundation continues its *Best of the Coolidge* film series with *Mephisto*, Oscar winner at Best Foreign Film of 1981, at 290 Harvard Street, Coolidge Corner, Brookline. Continues through Thursday, February 1. Telephone: 734-2500.

The Brattle Theatre continues its Friday/Saturday film series *Marlene on Screen* with *The Scarlett Empress* (1934, Josef von Sternberg) at 4:00 & 7:50 and *The Devil Is a Woman* (Josef von Sternberg) at 6:05 & 9:55 at 40 Brattle Street, Harvard Square, Cambridge. Also presented Saturday, January 27. Admission: \$5 general, \$3 seniors and children (good for the double feature). Tel: 876-6837.

The French Library in Boston continues its film series *A Tribute to François Truffaut* with *La chambre verte* (The Green Room, 1978, France) at 8 pm at 53 Marlborough Street, Boston. Also presented January 27 and 28. Admission: \$4 general, \$3 Library members. Telephone: 266-4351.

The Museum of Fine Arts begins its series *Dangerous Loves* with *Miracle in Rome* (1988, Lisandro Duque, 1988) at 6:00 & 7:45 in Remis Auditorium, MFA, 465 Huntington Avenue, Boston. Tickets: \$5 general, \$4.50 MFA members, seniors, and students. Telephone: 267-9300.



Robert Snyder's Michelagnolo: *Self Portrait* at the Museum of Fine Arts on Thursday, Jan. 25.

## THEATER

Major Barbara, George Bernard Shaw's social satire pitting a tough-minded idealist against a tough-minded realist in a battle of wit and will, opens today as a presentation of the American Repertory Theatre at the Loeb Drama Center, 64 Brattle Street, Cambridge. Continues through March 15 with performances Tuesday-Saturday at 8 pm and Sunday at 7 pm, with matinees Saturday & Sunday at 2 pm. Tickets: \$16 to \$33. Telephone: 547-8300.

**PERFORMANCE ART**  
*Dreams (breathe/don't breathe) of Home and The Beginning or the End*, by Marilyn Arsem, is presented at 8 pm at Mobilus, 354 Congress Street, Boston. Also presented January 27 at 8 pm and January 28 at 2 pm. Tickets: \$6 to \$9. Telephone: 542-7416.

## EXHIBITS

An Object of the Cultural Imagination: A Female Image in Bamana Art; Duchamp-Villon's *Baudelaire: Sources and Transformations*; and 150 Years of Photography: Part III — Extension open today at the Wellesley College Museum, Jewett Arts Center, Wellesley College, Wellesley. The exhibits continue through March 25 with museum hours Monday-Saturday 10-5, Tuesday & Wednesday 10-9, and Sunday 2-5. No admission charge. Telephone: 235-0326 ext. 2051.

## CLASSICAL MUSIC

The Cantata Singers and Ensemble perform J. S. Bach's *St. John Passion* at 8 pm in Jordan Hall, New England Conservatory, 30 Gainsborough Street at Huntington Avenue, Boston. Telephone: 267-6502.

The Griffin Music Ensemble performs works by Peter Westergaard, Beth Wiemann, Armand Qualliotine, Bernard Rands, and Jean Hasse at 8 pm in the Grand Lobby of the Wang Center, 270 Tremont Street, Boston. Tickets: \$8 general, \$5 students. Telephone: 482-9393.

The Arcadian Winds perform works by Mozart, Harbison, and Thuille at 8 pm at the Tsai Performance Center, Boston University, 685 Commonwealth Avenue, Boston. No admission charge. Telephone: 353-3345.

Violinist Victor Romanul performs Bach solo sonatas and Eugene Ysaie sonatas at 1:30 in Seully Hall, Boston Conservatory, 8 The Fenway, Boston. No admission charge. Telephone: 536-6340.

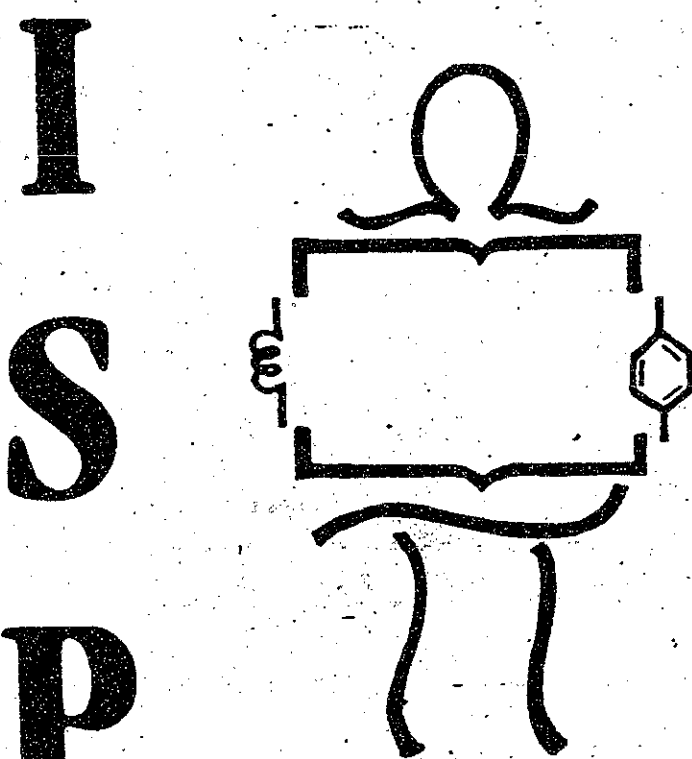
## DANCE

SLY Limbs perform at 8 pm at the Joy of Movement, Central Square, Cambridge. Also presented January 27 at 8 pm and January 28 at 4 pm. Tickets: \$10 and \$12. Telephone: 267-8852.

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## ARTS

## JAZZ MUSIC

The Margie Fox Quartet performs at the Willow Jazz Club, 699 Broadway, Ball Square, Somerville. Also presented Saturday, January 27. Telephone: 623-9874.

Saturday, Jan. 27

## CONTEMPORARY MUSIC

Big Daddy Kane, Nice & Smooth, Gang Starr, and Maxx T perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$17.50/\$20. Telephone: 451-1905.

Kevin Nealon performs at 7:30 & 9:30 at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

The Bags and The Slaves perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Tel: 247-8309.

Dogzilla, The Piv-nerts, and Third Estate perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Boogaloo Swamis perform at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Soprano Jean Redpath and fiddler Alasdair Fraser perform Scottish folk music in celebration of Robert Burns' birthday at 8 pm at Sanders Theatre, Harvard University, Quincy and Kirkland Streets, Cambridge. Also presented Sunday, January 28 at 3 pm. Tickets: \$10, \$14, and \$16. Telephone: 730-7403.

Blood Oranges, Vindicators, and Take The Veil perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$5/\$6. Telephone: 426-7744.

## JAZZ MUSIC

\*\*\* CRITICS' CHOICE \*\*\*  
The Stan Getz Quartet performs at 7:30 & 9:30 in the Charles Hotel Ballroom, Charles Hotel, Harvard Square, Cambridge. Tel: 876-7777.

## CLASSICAL MUSIC

Sinfonova Chamber Orchestra, Aram Gharabekian conducting, with cellist Souren Bagradouni, performs works by Mozart, Haydn, Webern, and Strauss at 8 pm at Jordan Hall, New England Conservatory, 30 Gainsborough Street at Huntington Avenue, Boston. Tickets: \$19 to \$25. Telephone: 536-5755.

## THEATER

Jack and the Beanstalk opens today as a presentation of Sprouts Children's Theatre at the Boston Baked Theatre, 255 Elm Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Continues through February 11 with performances Saturdays at 1 pm and Sundays at 1 pm & 3 pm. Tickets: \$4. Telephone: 628-9575.

## FILM &amp; VIDEO

The MIT Lecture Series Committee presents Say Anything at 7 pm & 10 pm in 26-100. Admission: \$1.50. Telephone: 258-8881.

## COMEDY

Bill Cosby performs at 8 pm at the Wang Center, 270 Tremont Street, Boston. Telephone: 931-2000.

Sunday, Jan. 28

## CONTEMPORARY MUSIC

Guy Van Duser, Billy Novick, and Laurie Gelman perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$4.50/\$5.50. Telephone: 426-7744.

## CLASSICAL MUSIC

\*\*\* CRITICS' CHOICE \*\*\*  
Pro Arte Chamber Orchestra, Bramwell Tovey conducting, performs works by Bax, Beethoven, Linda Bouchard, and Mendelssohn at 8 pm in Jordan Hall, New England Conservatory, 30 Gainsborough Street at Huntington Avenue, Boston. Tickets: \$7, \$14, and \$20 (see also reduced-price tickets offered through The Tech Performing Arts Series). Tel: 661-7067.

\*\*\* CRITICS' CHOICE \*\*\*  
Pianist Agustin Anievas performs works by Chopin at 3 pm at the Gardner Museum, 280 The Fenway, Boston. Admission: \$5 general, \$2.50 seniors and students. Tel: 566-1401.

Emmanuel Music presents Concert 2 of The Complete Lieder of Robert Schumann in 10 Recitals, Op. 34, 51, 90, 78, & 79 at 4 pm at Emmanuel Church Library, 15 Newbury Street, Boston. Tickets: \$15 general, \$13 seniors. Telephone: 536-3356.

## FILM &amp; VIDEO

The MIT Lecture Series Committee presents Good Morning, Vietnam at 7 pm & 10 pm in 26-100. Admission: \$1.50. Telephone: 258-8881.

The Brattle Theatre continues its Sunday James Bond series with On Her Majesty's Secret Service (1969, Peter Hunt) at 2:00 & 7:00 and Live and Let Die (1973, Guy Hamilton) at 4:40 & 9:40 at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the double feature). Telephone: 876-6837.

The Harvard-Epworth Church presents Nicholas Ray's The Savage Innocents (1959-61) at 8 pm at 1555 Massachusetts Avenue, just north of Harvard Square, Cambridge. Admission: \$3 contribution. Telephone: 354-0837.

Monday, Jan. 29

## FILM &amp; VIDEO

The Brattle Theatre continues its Monday film series Humphrey Bogart: A Brattle Cult with Casablanca (1943, Michael Curtiz) at 4 pm & 8 pm and Across the Pacific (1942, John Huston) at 6 pm & 10 pm at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the double feature). Telephone: 876-6837.

★★★★

## On The Town

Compiled by Peter Dunn

★★★★

Kurosawa's *Rashomon*, with Toshiro Mifune, at the Brattle on January 31.

Tuesday, Jan. 30

## CONTEMPORARY MUSIC

Maura O'Connell performs at 9 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Tickets: \$13.50. Telephone: 497-8200.

Jamie Schaler, Mary Kaapp, and Jim Majorowski perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$2.50. Telephone: 426-7744.

## JAZZ MUSIC

The Bevan Manson Trio and the Stan Strickland Jazz Ensemble perform at 8 pm in the Edward Pickman Concert Hall, Longy School of Music, Follen and Garden Streets, Cambridge. No admission charge. Telephone: 876-0956.

## FILM &amp; VIDEO

The Brattle Theatre continues its Tuesday film series Boston Independents with a Richard Broadman double feature, Mission Hill and the Miracle of Boston (1978) at 5:00 & 8:00 and Present Memory (1989) at 6:15 & 9:15 at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the double feature). Telephone: 876-6837.

## EXHIBITS

Rauman Versus Plan Libre: Adolf Loos and Le Corbusier, 1919-1930, comparing the two architects' approach to the use of space, opens today at the MIT Museum, 265 Massachusetts Avenue, Boston. Continues through April 1 with museum hours Tuesday-Friday 9-5 and Saturday-Sunday 12-4. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4444.

Wednesday, Jan. 31

## FILM &amp; VIDEO

The MIT Lecture Series Committee presents Science Fiction Marathon XII beginning at 6 pm in 26-100. Telephone: 258-8881.

## \*\*\* CRITICS' CHOICE \*\*\*

The Brattle Theatre continues its Wednesday/Thursday Janus Film Festival series with Akira Kurosawa's Rashomon (1950) at 4:15 & 7:50 and Kenji Mizoguchi's Ugetsu (1953) at 5:55 & 9:30 at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the double feature). Telephone: 876-6837.

The Museum of Fine Arts continues its series Architects On Film with Robert Venturi and Denise Scott-Brown (1988, Michael Blackwood) at 6:00 in Remis Auditorium, 465 Huntington Avenue, Boston. The MFA also continues its series The Art of Music Video with Audio Auteurs, featuring Laurie Anderson, David Bowie, David Byrne, Peter Gabriel, The The, and others, at 7:30. Tickets: \$5 general, \$4.50 MFA members, seniors, and students. Telephone: 267-9300.

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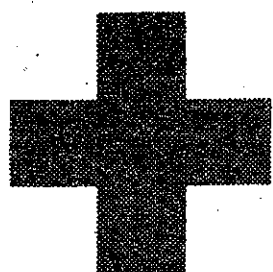
## Wellesley College

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Tuesday, February 13For details, contact the Wellesley-MIT  
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Francis X. Maier Editor, *The National Catholic Register*.

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Compiled by Peter Dunn

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 Marshall Crenshaw and The Brothers  
 Kendall perform at 8 pm at the Para-  
 dise, 967 Commonwealth Avenue,  
 Boston. Telephone: 254-2052.

Pieces. Unattached, Strait Jacket, and  
 Trip Wire perform in an 18+ ages show  
 at 9 pm at Axis, 13 Lansdowne Street,  
 Boston, near Kenmore Square. Tele-  
 phone: 262-2437.

Pinetop Perkins, Big Diddy Kinsey, Hu-  
 bert Sumlin, Little Mike and The Torna-  
 does perform at 8 pm & 11 pm at Night-  
 stage, 823 Main Street, Cambridge, just  
 north of MIT. Tickets: \$10. Telephone:  
 497-8200.

Holy Cow performs in an 18+ ages  
 show at Ground Zero, 512 Massachusetts  
 Avenue, Cambridge. Telephone: 492-9545.

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 pianist Tong-Hi Han perform works by  
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 the Tsai Performance Center, Boston  
 University, 685 Commonwealth Avenue,  
 Boston. Admission: \$3 and \$5. Tele-  
 phone: 353-3345.

## Ongoing Theater

Nonsense. Dan Goggin's comedy about  
 the Little Sisters of Hoboken who stage a  
 talent show to raise money to bury four  
 of their number, continues indefinitely at  
 the Charles Playhouse, 74 Warrenton  
 Street, Boston. Performances are Tues-  
 day-Friday at 8 pm, Saturday at 6 pm &  
 9 pm, with matinees Thursday at 2 pm  
 and Sunday at 3 pm. Tickets: \$15.50 to  
 \$26.50 general, half-price for seniors and  
 students on Thursday matinee. Tele-  
 phone: 426-6912.

The Devil Amongst Us, an audience-  
 participation murder mystery, continues  
 indefinitely at the Mystery Café, 738  
 Massachusetts Avenue, Cambridge. Per-  
 formances are Thursday-Saturday at  
 7:30. Tickets: \$25 to \$28 (includes meal).  
 Telephone: 262-1826.

Forbidden Broadway 1989, the latest up-  
 dated version of Gerard Alessandrini's  
 musical comedy revue, continues indefi-  
 nitely at the Terrace Room, Boston Park  
 Plaza Hotel. Performances are Tuesday-  
 Friday at 8 pm, Saturday at 7 pm &  
 10 pm, and Sunday at 3 pm & 6 pm.  
 Tickets: \$16.50 to \$24.50 depending on  
 performance. Telephone: 357-8384.

Hollywood After Dark, a nightclub re-  
 vue celebrating the glory days of "the Sil-  
 ver Screen musical," continues indefi-  
 nitely at the Charles Playhouse, 74  
 Warrenton Street, Boston. Performances  
 are Sunday at 7:30, Monday at 8:00, and  
 Wednesday & Saturday at 2:00. Tickets:  
 \$14 to \$16. Telephone: 426-6912.

Mornings At Seven, Paul Osborn's gentle  
 comedy about four elderly sisters, con-  
 tinues through January 27 as a presenta-  
 tion of the Nora Theatre Company at the  
 Theater at the Harvard Union, Quincy  
 and Harvard Streets, Cambridge. Perfor-  
 mances are Thursday-Saturday at 8:00  
 with matinees January 14 and 21 at 5:30.  
 Tickets: \$15 general, \$10 seniors and stu-  
 dents. Telephone: 495-4530.

O Pioneer!, Darrah Cloud's adaption of  
 the Willa Cather 1913 novel of struggle  
 and sacrifice on the American frontier,  
 continues through February 4 as a pre-  
 sentation of the Huntington Theatre  
 Company at the Boston University Thea-  
 tre, 264 Huntington Avenue, Boston.  
 Performances are Tuesday-Saturday at  
 8 pm with matinees Wednesday, Satur-  
 day, & Sunday at 2 pm. Tickets: \$14 to  
 \$29. Telephone: 266-3913.

Out Brain and Remembrance, Boston  
 Baked Theatre's latest collection of musi-  
 cal and satiric sketches, continues indefi-  
 nitely at the Boston Baked Theatre, 255  
 Elm Street, Davis Square, Somerville,  
 near the Davis Square T-stop on the red  
 line. Performances are Friday at 8:15 and  
 Saturday at 7:00 & 9:15. Tickets: \$13.50  
 and \$15. Telephone: 628-9575.

Otherwise Engaged, Simon Gray's com-  
 edy of sex, society, and yuppies, continues  
 through February 4 at the Lyric Stage  
 Theatre, 54 Charles Street, Boston. Per-  
 formances are Wednesday-Friday at  
 8:00, Saturday at 5:00 & 8:30, and Sun-  
 day at 3:00. Tickets: \$13.50 to \$17. Tele-  
 phone: 742-8703.

Party of One, Morris Bobrow's new mu-  
 sical revue about the perils of comin-  
 gling, continues indefinitely at the Thea-  
 tre Lobby at Hanover Street, 216  
 Hanover Street, Boston. Performances  
 are Tuesday-Friday at 8:00, Saturday at  
 7:00 & 9:30, and Sunday at 3:00 & 7:00.  
 Tickets: \$14.50 to \$21.50. Telephone:  
 227-9381.

The Promise, Aleksei Arbusov's fascinat-  
 ing glimpse of life in modern Russia,  
 continues through February 4 at the New  
 Repertory Theatre, 54 Lincoln Street,  
 Newton Highlands, near the Newton  
 Highlands T-stop on the 'D' green line.  
 Performances are Thursday & Friday at  
 8:00, Saturday at 5:00 & 8:30, and Sun-  
 day at 3:00 & 7:30. Tickets: \$12 to \$17.  
 Telephone: 332-1646.

The Seagull, by Anton Chekhov, contin-  
 ues through February 24 as a presenta-  
 tion of the Chekhov Theatre and Film  
 Company at the Agassiz School, 28 Sacra-  
 mento Street, Cambridge. Performances  
 are Thursday-Saturday at 8 pm.  
 Tickets: \$10 general, \$8 seniors and stu-  
 dents. Telephone: 547-8688.

Shear Madness, the long-running comic  
 murder mystery, continues indefinitely at  
 the Charles Playhouse, 74 Warrenton  
 Street, Boston. Performances are Tues-  
 day-Friday at 8:00, Saturday at 6:30 &  
 9:30 pm, and Sunday at 3:00 & 7:30 pm.  
 Tickets: \$16 and \$19. Tel: 426-6912.

Splitting Into the Wind, Laura Browder's  
 play confronting the explosive issues of  
 "Red-baiting" and government-sanctioned  
 censorship, continues through Febru-  
 ary 4 at the New Ehrlich Theatre, 539  
 Tremont Street, Boston. Performances  
 are Thursday-Saturday at 8 pm  
 and Sunday at 2 pm. Tickets: \$15 gener-  
 al, \$10 seniors and children. Telephone:  
 482-6316.

Talking With... Jane Martin's play of  
 11 women as they reveal their anxieties,  
 accomplishments, and dreams, continues  
 through January 28 at The Back Alley  
 Theater, 1253 Cambridge Street, Inman  
 Square, Cambridge. Performances are  
 Thursday-Sunday at 8 pm. Tickets: \$12.  
 Telephone: 491-8166.

Under a Mantle of Stars, Manuel Puig's  
 black comedy about an aging pair of vis-  
 itors and their adopted daughter, contin-  
 ues through January 27 as a presentation  
 of the Cietrix Theatre Company at the  
 Leland Center, Boston Center for the  
 Arts, 539 Tremont Street, Boston. Perfor-  
 mances are Thursday-Saturday at  
 8 pm. Tickets: \$8. Telephone: 282-8348.

## Ongoing Exhibits

## ON CAMPUS

\*\*\* CRITICS' CHOICE \*\*\*  
 When the Eiffel Tower Was New:  
 French Visions of Progress at the  
 Centennial of the Revolution contin-  
 ues through February 25 at the MIT  
 Museum Building, 265 Massachusetts  
 Avenue, Cambridge. Museum hours  
 are Tuesday-Friday 9-5 and Satur-  
 day-Sunday 12-4. Admission: \$2 re-  
 quested donation, free to MIT com-  
 munity. Telephone: 253-4444.

\*\*\* CRITICS' CHOICE \*\*\*  
 Against Nature: Japanese Art in the  
 '80s, mixed media work by 10 young-  
 er Japanese artists, continues  
 through February 18 at the List Visual  
 Arts Center, MIT Wiesner Building  
 E15, 20 Ames Street. Gallery hours  
 are weekdays 12-6 and weekends 1-5.  
 Telephone: 253-4680.

Holography: Types and Applications,  
 drawn from the work of MIT Media  
 Lab's Spatial Imaging Group, continues  
 at the MIT Museum, 265 Massachusetts  
 Avenue. Museum hours are Tuesday-  
 Friday 9-5 and weekends 12-4. Admis-  
 sion: \$2 requested donation, free to MIT  
 community. Telephone: 253-4444.

## OFF CAMPUS

\*\*\* CRITICS' CHOICE \*\*\*  
 Rembrandt and His School, drawings  
 from the Museum Boymans-van  
 Beuningen, Rotterdam, continues  
 through January 28 at the Arthur M.  
 Sackler Museum, Harvard University,  
 485 Broadway, Cambridge. Museum  
 hours are Tuesday-Sunday 10-5. Tele-  
 phone: 495-9400.

The Reunion, a photo-historical journal  
 of a century of links between the Afri-  
 can-American communities in Cam-  
 bridge and Boston, continues through  
 February 9 at the Cambridge Multicul-  
 tural Arts Center, 41 Second Street,  
 Cambridge. Gallery hours are Monday-  
 Friday 11-4. Telephone: 577-1400.

Faces of Asia: Portraits from the Perma-  
 nent Collection, 60 portraits organized  
 thematically, continues through Febru-  
 ary 18 at the Museum of Fine Arts, 465  
 Huntington Avenue, Boston. Telephone:  
 267-9300.

\*\*\* CRITICS' CHOICE \*\*\*  
 Weston's Westons: Portraits and  
 Nudes, 118 vintage photographs by  
 the "quintessential modern photogra-  
 pher," continues through March 4 at  
 the Museum of Fine Arts, 465 Hun-  
 tington Avenue, Boston. Telephone:  
 267-9300.

Sophie Calle: A Survey, photography  
 that engages the personal, the sensual,  
 and the psychological spaces of day to  
 day experience, and Currents 1990, fea-  
 turing Yoko Ono, Shu Lea Cheang, Bill  
 Seaman, Deborah Oropello, and Curtis  
 Anderson, continue through March 11 at  
 the Institute of Contemporary Art, 955  
 Boylston Street, Boston. Institute hours  
 are Thursday-Saturday 11-8 and  
 Wednesday & Sunday 11-5. Admission:  
 \$4 general, \$3 students, \$1.50 seniors  
 and children, free to members and MIT  
 students. Telephone: 266-5152.

Locomotion, historical and contempo-  
 rary photographic studies of movement,  
 continues through February 25 at the  
 Photographic Resource Center, 602  
 Commonwealth Avenue, Boston. Tele-  
 phone: 353-0700.

Mahizeit, a photographic installation by  
 Cologne-based artists Bernhard and  
 Anna Blume, continues through Febru-  
 ary 25 at the Museum of Fine Arts, 465  
 Huntington Avenue, Boston. Telephone:  
 267-9300.

Paintings by Agnes Martin and sculpture  
 by Donald Judd continues through Febru-  
 ary 25 at the Museum of Fine Arts,  
 465 Huntington Avenue, Boston. Tele-  
 phone: 267-9300.

The Hollywood Photographs of Director  
 George Sidney continues through Febru-  
 ary 28 at the Mugar Memorial Library,  
 Boston University, 771 Commonwealth  
 Avenue, Boston. Library hours are Mon-  
 day-Friday 9-5. No admission charge.  
 Telephone: 353-3696.

Bringing the World's Theater to London  
 — Producer/Impresario Peter Daubney  
 continues through March 31 at the Mu-  
 gar Memorial Library, Boston University,  
 771 Commonwealth Avenue, Boston. Li-  
 brary hours are Monday-Saturday 9-5.  
 No admission charge. Tel: 353-3728.

## Upcoming Events

The Herbie Hancock Trio at the Charles  
 Hotel Ballroom on February 3. k. d.  
 lang and the Redclines at Lowell Memori-  
 al Auditorium on February 3 and at the  
 Providence Performing Arts Center on  
 February 4. Warren Zevon at the Or-  
 pheum Theatre on February 3. The  
 Cat on a Hot Tin Roof, starring Kathleen Turner,  
 at the Schubert Theatre, February 6-25.  
 Tom Petty and the Heartbreakers at the  
 Worcester Centrum on February 7.  
 Monet in the '90s: The Series Paintings  
 at the Museum of Fine Arts, February 7  
 to April 29. The Sugarbushes at the Or-  
 pheum Theatre on March 9. Sonic Youth  
 at the Paradise on March 11. Les Misér-  
 ables at the Shubert Theatre, March 16  
 for 10 weeks.

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# Controversy follows Deutch

(Continued from page 1)

## Educational reform

The restructuring of the Provost's Office was part of a larger effort by Deutch to begin an extensive look into educational reform at MIT. "We may have an education that may be too narrow [for the] successful application of technology in society," Deutch stated early in 1987. Despite the demands of a professional education, students must have time for a "broad range of thought," he felt.

Educational reform has emphasized the importance of interdisciplinary study — especially with regards to humanities and other subjects provoking thought on the social and political impact of science and technology.

Specific proposals so far have led to the reform of the Humanities Distribution (HUM-D) requirement into what is now known as the HASS-D system; the Context initiative; freshman year pass/fail reform; the introduction of humanities minors; and changes in the Science Distribution requirement.

Some proposals, including the new humanities minors and the Science Distribution reforms, have received little opposition.

But HASS-D and pass/fail — the two most sweeping reforms presented so far — met with sharp criticism from students, and both plans were seriously revised before final approval. The main proposal in the pass/fail plan — to abolish second-term pass/fail marking for freshmen — was in fact voted down by the faculty after heated debate.

The Context courses, stifled by minimal student interest, have also been largely unsuccessful so far.

## Controversy develops over ABS, outside ties

On Jan. 6, 1988, faculty members in the Department of Applied Biological Sciences were "shocked" to learn that their department had been disbanded. Though tenured faculty and graduate students were given assurances that their positions at MIT would remain secure, many felt betrayed and denounced what they considered a secretive move without "due process."

Outcry from the much of the MIT faculty ensued, and Deutch and current Dean of Science Gene M. Brown were largely held responsible for the move. The faculty unanimously adopted a resolution calling for a committee to inquire into the decision-making procedures involved in this case and to make future recommendations.

Deutch acknowledged that the process was flawed and that the administration "would certainly do better" in communicating its plans in the future. At the same time, he defended the decision to dissolve ABS, claiming that the department no longer maintained intellectual focus.

Throughout his career as provost, Deutch has also taken considerable heat for his involvement in national defense policy. Since the late 1970s, he has been actively involved with the Defense Sci-

ence Board, a group of academics and Pentagon officials that advises the secretary of defense.

While some believe that Deutch's defense ties allow him to bring substantial research dollars to the Institute, others feel that his links to the Department of Defense conflict with his responsibility for overseeing all research activity on campus. These critics feel that he has been trying to bring research contracts to MIT which are purposely biased toward defense interests.

As of late, Deutch has also received criticism for his contacts with outside corporate interests. He currently earns more than half his income from corporate directorships and consulting work.

## A career MIT man

Despite the large amount of controversy which continues to surround him, Deutch has maintained a reputation as an effective leader. He had been one of two finalists in the presidential

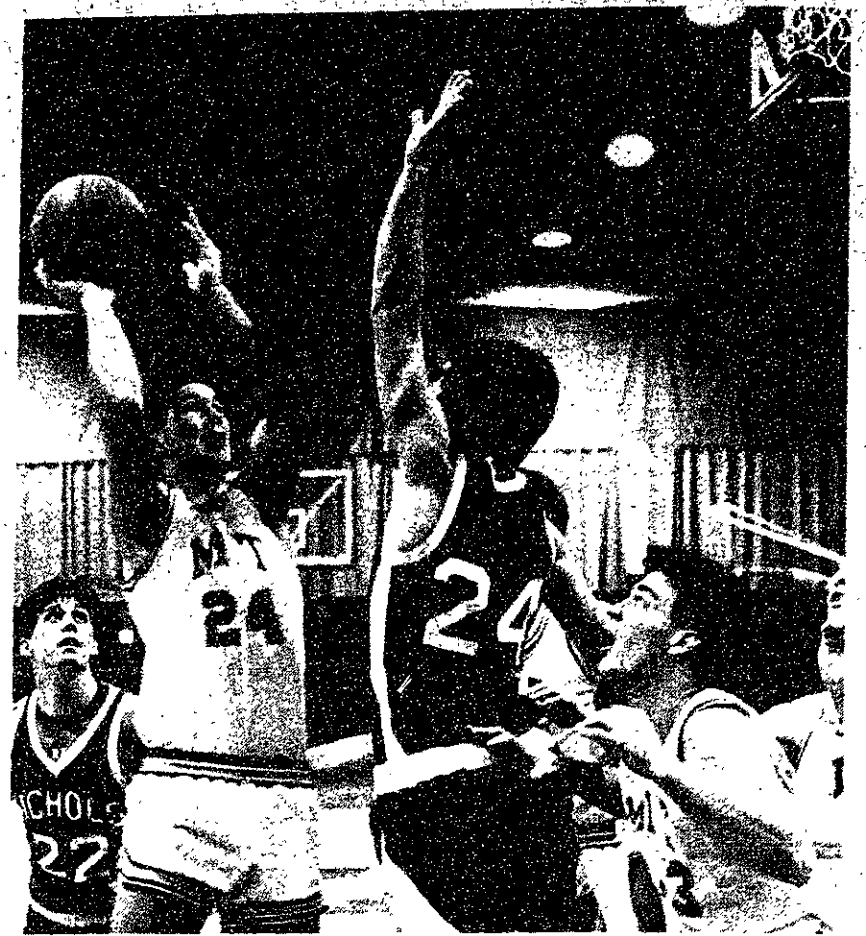
search at Johns Hopkins University until he dropped out of the running two weeks ago and remains a possible candidate at Carnegie Mellon University. Until his announcement yesterday, he was considered the leading candidate in MIT's presidential search.

Deutch has spent most of his academic and professional career at MIT, receiving an SB degree in chemical engineering in 1961 and a PhD in chemistry a few years later.

In 1970, he joined the faculty, and served as head of the chemistry department from 1976 to 1977.

He then left MIT for a short while to serve in the Department of Energy, and was appointed undersecretary in 1979. The following year, Deutch served on then President Jimmy Carter's Nuclear Safety Oversight Committee.

In 1980, Deutch returned to MIT to become the Arthur C. Cope Professor of Chemistry. He has remained here ever since.



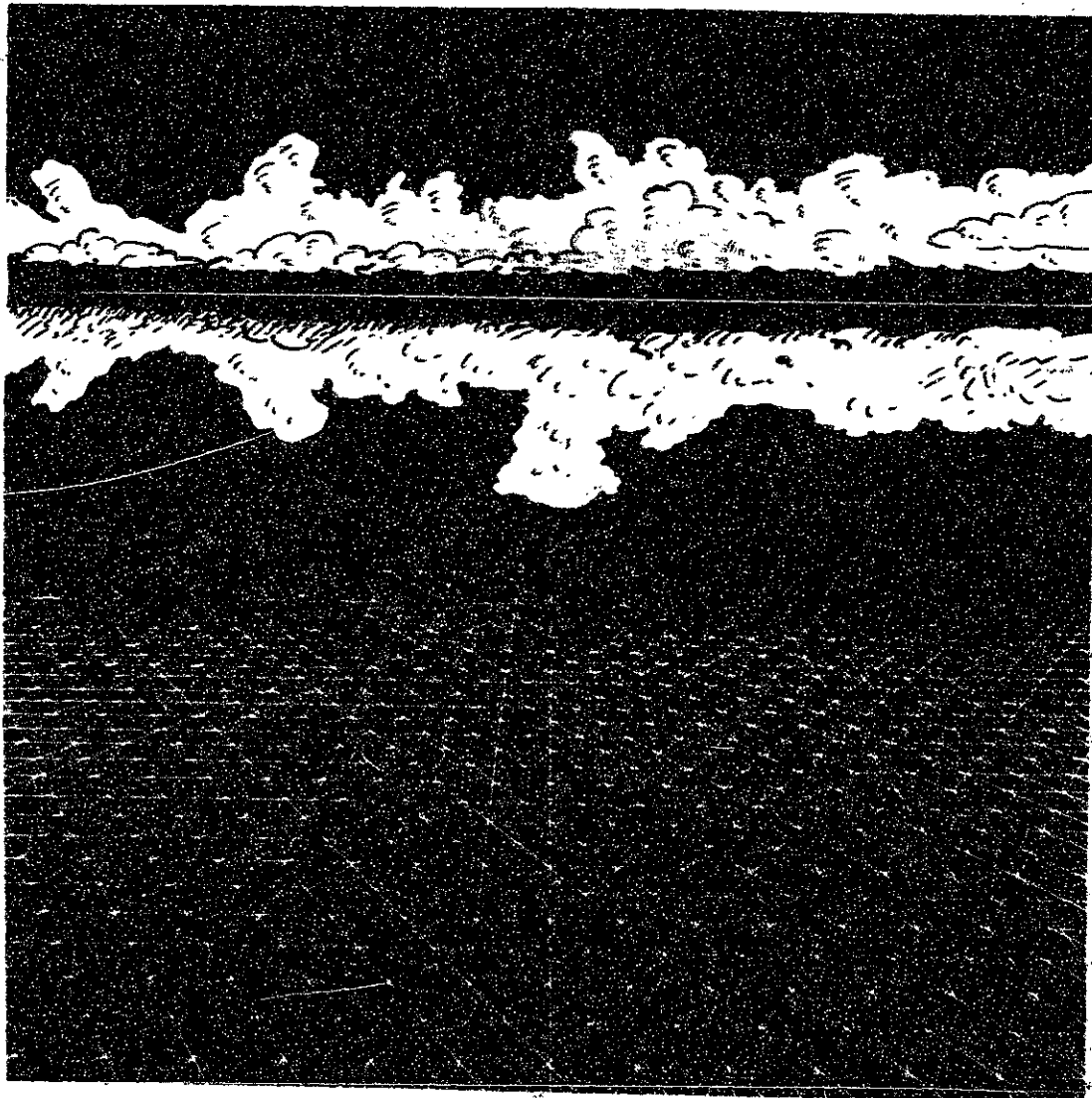
William Chu/The Tech  
Chris Sonne '91 drives to the basket past his Nichols guard in Saturday's game. MIT won by a convincing 86-66 score.

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# Deutch to resign as provost

(Continued from page 1)

## A controversial tenure

While many remembered Deutch as a hard-working, successful administrator, others faulted him for making poor policy decisions and for his ties to the military and the corporate world. As Institute's second-in-command, Deutch has been in charge of overseeing faculty research, quality of faculty, and the undergraduate curriculum.

President Paul E. Gray '54 recently hailed Deutch as "clearly the most effective academic administrator I have ever encountered." Gray appointed Deutch to replace Francis E. Low, who resigned as provost in 1985.

Other faculty also praised Deutch for his work. Dean for Undergraduate Education Margaret L. A. MacVicar '65 lauded Deutch for "having established the post of Dean for Undergraduate Education" after the need for one was "first recognized back in 1973." She also said that Deutch was responsible for "an Institute-wide reflection on the undergraduate experience."

The head of the Department of Nuclear Engineering, Professor Mujid S. Kazimi SM '73, said that Deutch "has carried a lot of weight" in the last few years. MIT is "losing an old hand," he said.

Professor Eugene B. Skolnikoff '49, a member of the faculty presidential search committee, called Deutch "an old friend of mine for many years," and described him as "an intelligent, imaginative person."

Vice President for Financial Operations James J. Culliton described Deutch's tenure as "excellent," and said that he had been a "strong source of guidance."

Not all people were happy with Deutch's work, however. Rich Cowan '87, a former student activist who now works with the Coalition for Universities and the Public Interest, said that while people had long felt MIT moving "toward more corporate and military ties," they had thought that "there was no way to change any of that." He said that people now realize that by speaking about the priorities of the Institute together, "we actually have some power in what happens at MIT."

Cowan said that Deutch leaned "toward favoring military money," perhaps because this "would make it easier for him to become president." He noted that in the end, perhaps, the reverse had actually come true. Military involvement had probably hurt Deutch's chances for the presidency, Cowan suggested, saying that "Deutch indicated that he clearly was interested [in the presidency] just three months ago."

Professor Arthur C. Smith also had mixed feelings about Deutch, saying that while Deutch "has done some good things," there had also been "incidents and events that caused difficulty." He acknowledged that Deutch had been part of the controversial 1988 decision to disband the Department of Applied Biological Sciences, but refused to accuse Deutch alone, saying, "I would not place on his door" all of the blame.

Smith gave Deutch credit for having "reacted very positively to a lot of requests from student groups." He also was impressed with Deutch's record "on issues having to do with minorities and women."

Vice President and Treasurer Glenn P. Strehle '58 credited Deutch with being involved in "a number of very successful activities, including the faculty housing programs" and "the finances

of the Institute." He added that Deutch "has made a very important and significant contribution to the Institute," and that "the programs he developed will continue and will have [a lasting impact]."

Undergraduate Association President Paul Antico '91 was "kind of shocked" to hear the news, and said that he had not heard anything before yesterday. Acknowledging that Deutch's announcement might affect such current issues as freshman housing and Independent Activities Period, Antico cautioned students not to forget that "the issues are still there." He added that while Deutch and he "did not necessarily agree on everything," the two of them "were able to deal with each other very well."

Steven D. Penn G, a member of the Alternative News Collective, believed Deutch's departure may reduce the influence of the military at MIT, charging that most of the Provost's "major projects had worked against the objective of peace." Like Cowan, Penn thought Deutch's defense ties had hurt his chances for the MIT presidency. "People felt uncomfortable with his incredible love of the military," Penn said.

## Presidential search impact

Richard M. Cyert, president of Carnegie Mellon University, expressed surprise at the announcement, saying that "I thought he would be president of MIT." Cyert speculated that "if he can't be the president of MIT, then he doesn't want to be president anywhere." Deutch has been rumored to be under consideration for CMU's presidency.

Kazimi felt that Deutch's resignation "was probably precipitated by feelings about where the presidential search was leading." It had been widely rumored that Deutch was not well-liked by all of the faculty.

Penn said that he was "excited" about Deutch's announcement, adding that "I think it is fantastic that he is no longer in the running." Penn was not completely satisfied, however. He said that Deutch's statement "doesn't lead me to believe that they have excluded cold warriors" from the presidential search.

Antico said that the presidential search committees still "have a lot of good candidates" to choose from.

(Editor's note: Linda D'Angelo, Andrea Lambert, and Prabhat Mehta contributed to this story.)



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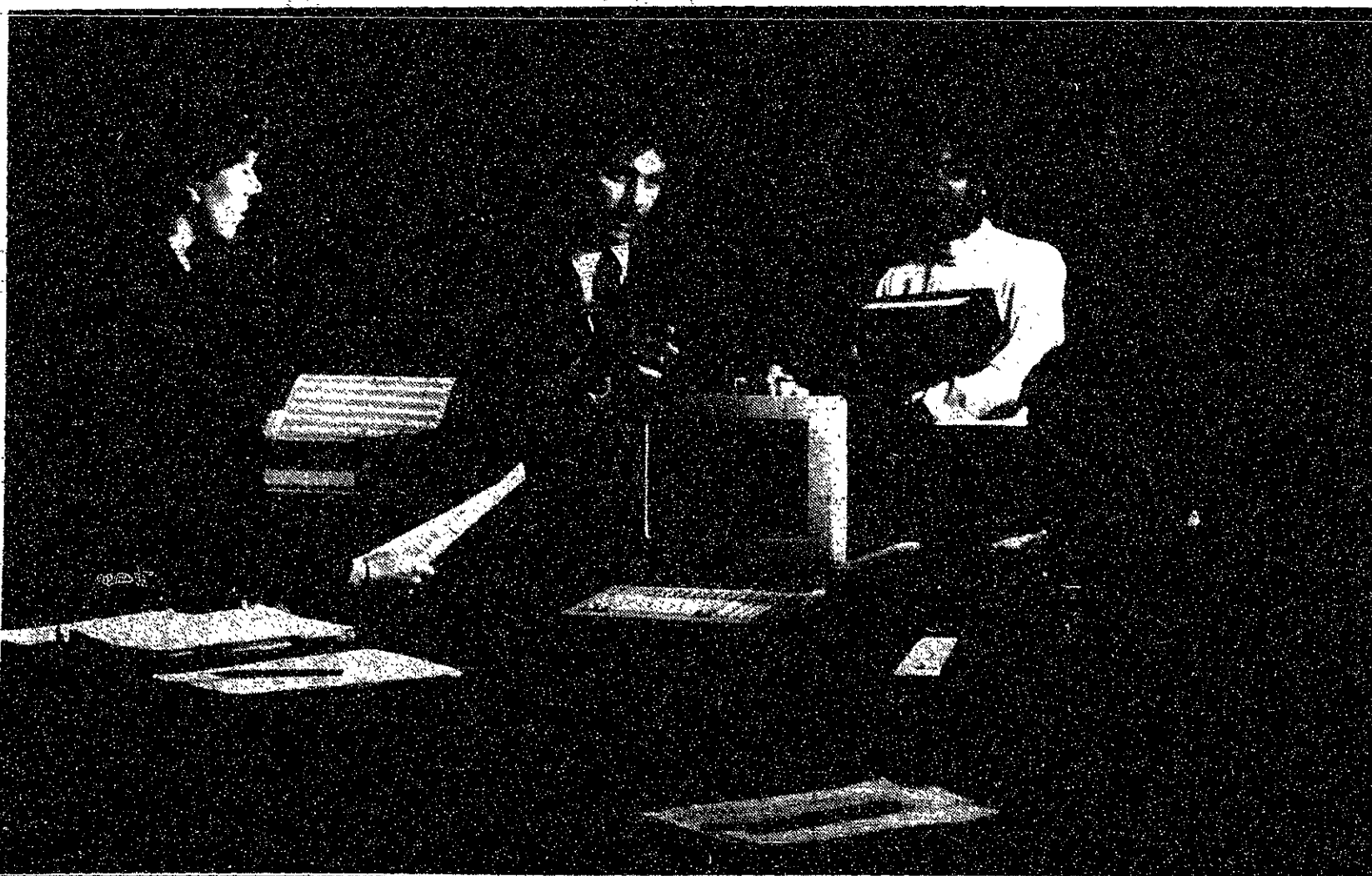
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## Departmental control of Phase II called success

(Continued from page 1)

Astronautics for doing an "exceptional" job in coordinating its own writing requirement committee. The courses produce many papers suitable for Phase II, he noted.

Annie M. Hunter, an administrator in the Department of Electrical Engineering and Computer Science, has taken on responsibility for Phase II in her department. Although professors and members of the writing program read and evaluate the students' submissions, Hunter is responsible for most of the legwork involved and has made it one of her "top priorities" within the department. "[Phase II] is very, very important because it's one of

have to do to graduate," she said. "It's right up there with the thesis."

### Some students dissatisfied

Students, on the other hand, are less enchanted with Phase II. Seniors complain that some departments do not offer enough classes that generate papers which qualify for Phase II. One suggested that thesis papers, at some level, ought to be suitable for Phase II.

Another criticism is that the writing requirement coordinators have not stressed the need to satisfy Phase II. "Our department coordinator told us last week that if we hadn't fulfilled the requirement by now we're basically screwed," one senior reported.

There has also been some concern about a lack of uniformity in the stiffness of grading, with some departments being stricter than others.

Despite its problems, Perelman feels that Phase II is valuable because the writing element of technical careers cannot be overlooked. "Engineers in private companies spend one third of their time writing," he said. Proficiency in this area can help someone become a manager or a project leader, he said.



Kyle G. Peltonen/The Tech  
Leslie C. Perelman

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Heavy snowfall on Sunday covered the Institute in frosty white.

William Chu/The Tech

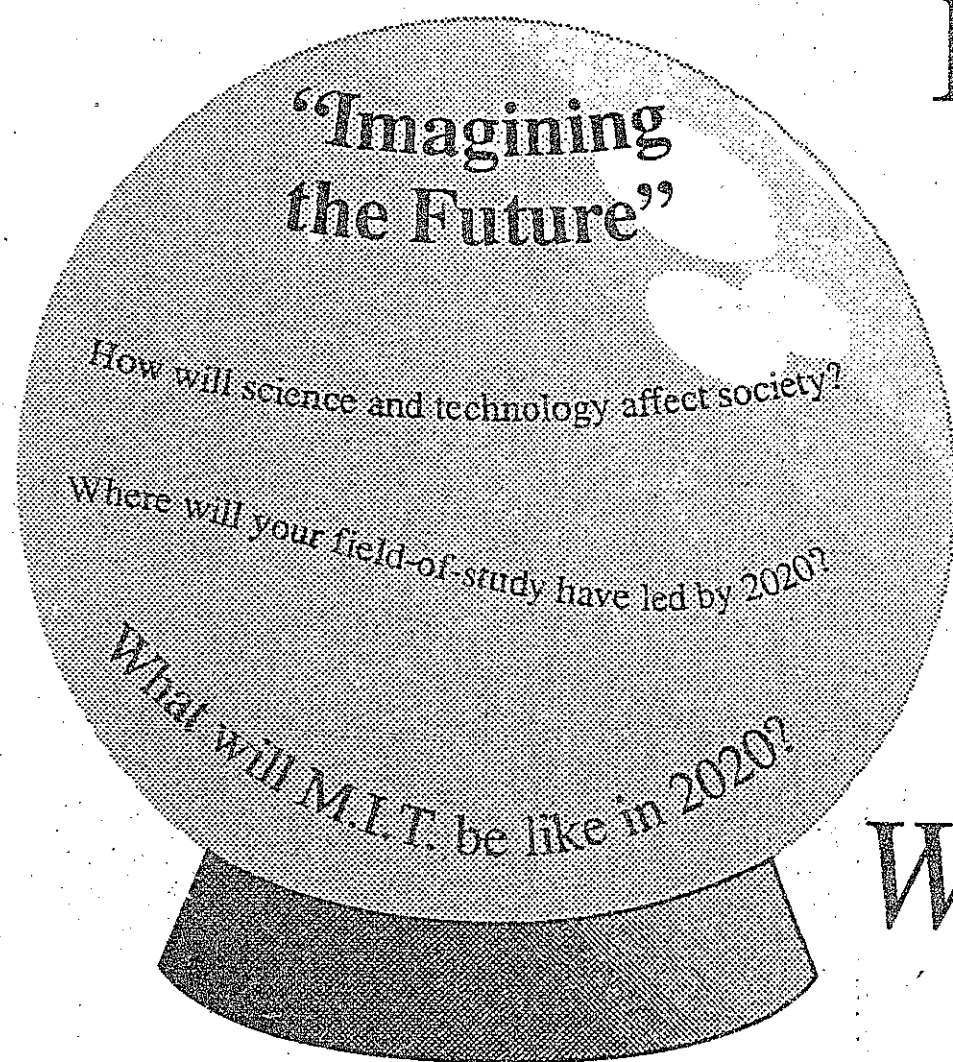
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# Call for changes in organization likely

(Continued from page 1)

ary, certain features are already known. The committee is likely to recommend an organizational system in which schools and departments have control of the computer network instead of utilizing a network controlled by a centralized organization. As a result, the committee hopes, the computational needs of each school or department can be addressed individually.

The organization of computation may be further divided so that the boundaries of responsibility between the Institute, the schools and departments, and the individual user are clearly defined.

In a possible organizational system, the Institute would be responsible for the basic services of the computer network as well as the development of curriculum for General Institute Requirement courses and similar central subjects. Schools and departments would be responsible for more specialized curricular development and for clusters with more advanced, course-related technology. Public clusters would still exist for people who do not own a personal computer.

Jackson, in a statement, predicted that, while the committee will not formally recommend that students buy their own computers, the percentage of students with personal computers at MIT is likely to rise with the new organizational system. Jackson indicated that it will become increasingly more attractive for students to buy their own computers as coursework, under departmental control, becomes more convenient for use on a personal computer. Currently, one-third of the students at MIT own their own computers, while at other selective schools one-third to one-half of the students have personal computers.

The committee is also likely to recommend a change in the policy of providing incentives for faculty to create curricular material for the computers. In the past, support was given to many projects in the hopes that a few usable curricular packages would result. The committee is likely to recommend that support be granted in a more deliberate

manner so that a smaller number of projects would receive a greater amount of support.

The committee will also recommend that personal computers connect more easily to the Athena network, by means of a set of simple services. Initially, the network would be able to support and interact with Macintosh personal computers, IBM-compatible computers running on MS-DOS, and Unix workstations. This list would grow gradually over time.

## An eight-year experiment

Project Athena was established in 1983 as an experimental computer network. Initially, International Business Machines and Digital Equipment Corporation contributed \$25 million to the program in the form of equipment, a consulting staff, and money. MIT raised between \$15 and \$20 million for the project.

The installation of the network proceeded at a higher cost and at a slower pace than was originally expected, and Project Athena, originally a five-year experiment, grew into an eight-year program. Both IBM and DEC agreed to continue support for the project during this eight-year period. Financial support from these two companies will officially end in June 1991.

Although Athena did not fulfill its original expectations, it nevertheless has come to play a substantial role in education and student computing.

Last spring, in preparation for the end of external financial support for Athena, Deutch formed the Committee on Academic Computation. He charged it with bringing a clearer focus to the role of Athena at MIT and suggesting a more efficient organization for academic computing.

The purpose of the committee was to evaluate and redefine the educational role of Athena and the appropriate balance between technical computing and personal computing needs. The committee was also intended to evaluate the use of computing for research and administrative tasks, alternative sources of funding, and the modernization of Athena in step with the advancing technology of the next decade.



This snowman knows it's best to keep it under his hat.

Jed Dennis

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# sports

## MIT track streak ends at 62 Div. I Northeastern beats Engineers, 71-56

By David Rothstein

The track and field team finally met its match in a regular season meet, losing for the first time in six-and-a-half years. It took a good Division I school, Northeastern University, to topple the Division III Engineers from their perch atop a 62-meet win streak, with a 71-56 win Friday evening at the Johnson Athletics Center.

The Northeastern meet, scheduled last fall, was cause for much

question mark. In the end, Northeastern's strength in the 800 and 3000 meter races was the difference.

MIT jumped out to a quick lead as the weight men and the long jumpers went to work. John-Paul Clarke '91 came up with a huge, 57'-1" throw in his first turn at the 35-pound weight, which put him in first place for good. Teammate Eric Shank '90 pulled out second place with a 53'-4 1/4" toss on his last attempt.

strong anchor leg for MIT's winning 1600-meter relay team, which also included Scannell, Singhose, Dunzo, and won in 3:20.68 to Northeastern's 3:22.87.

At the meet's midway point, Northeastern edged ahead, 41-40, and as the Huskies swept the top three places in the 800 to take a 50-40 lead, it became apparent that the tides of fortune were turning slowly against MIT.

"We gave it a hell of a try," said co-captain Singhose at the end of the meet. "Just couldn't quite pull it off."

Singhose pulled out three firsts (long jump, pole vault, hurdles) and a second (triple jump), and ran on the winning 1600-meter relay, but could only watch as Northeastern took one-two in the 3000, putting the score at 66-51, and ruling out the chance of an MIT upset.

The loss was the first that any of the current Engineers track and field men had experienced at MIT, and the first for head coach Gordon Kelly in a long time.

"I don't feel badly about [losing]," said Kelly. "I knew that could happen going in."

"We feel we have a good team, and when you have a good team, you should challenge it."

The consensus feeling among the runners was that they expressed no regrets and mostly excitement at having been tested to the extreme.

"Losing is painful," said Makatiani with a laugh. "Most of the meets have been pretty easy, but this makes it kind of interesting."

"I think it makes us more prepared for the bigger championships."

"This is the way we should lose it," said Singhose. "If we're ever going to lose one, we should lose it in this fashion. We got the best team we could go up against, and we gave it our best."

Those championships, which begin on the first weekend of February, are the Greater Boston Championships, the New England Division III Championships, the All-New England Championships, which MIT will host Feb. 23 and 24, and the NCAA Division III Championships, in March.

Bill Singhose '90 and Kevin Scannell '92 began their long day by leaping to a one-two finish in the long jump, at 23'-1 1/4" and 23'-0", respectively, more than a foot better than the next place, which went to Northeastern junior Charles McCrea.

As the evening progressed, MIT forged surprisingly strong early leads — 8-1, 19-8, 25-20, and 36-27. It was only the difference of a few places here and there, but the Engineers were drawing strength from their ability to stay ahead of the Huskies.

Mike Piepergerdes '92 pulled out a 15-meter win in the 1500-meter run. He held the early lead, lost it to Northeastern's DiBiasi with 400 meters to go, and regained it at the start of the bell lap, winning in 3:56.80 to DiBiasi's 3:58.3. The Northeastern runner came back near the meet's end to win the 3000 meters that put the meet out of reach for MIT.

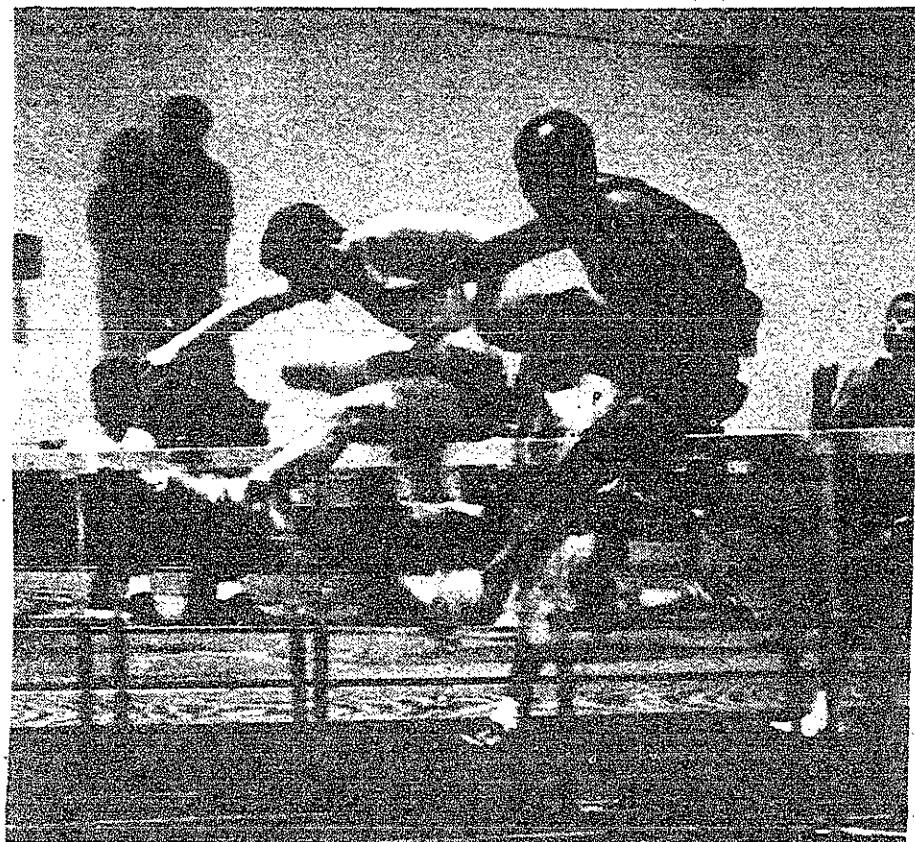
In the next race, it was Singhose over Northeastern's McCrea by a nose in the 55-meter high hurdles, as both were timed at 7.79. MIT's luck was holding, and the meet grew more intense.

"I knew [MIT] would be up for this meet," said second-year Northeastern coach Mark Lech at the end of the evening's competition. "I talked to the kids all week... [telling them] not to take [MIT] too lightly."

Northeastern's student body is considerably larger than MIT's, and Lech has approximately 10 scholarship athletes on his team.

Mark Dunzo '91 won the 400 meters easily in 49.80, but Boniface Makatiani '90 had a harder time in the 55- and 200 meter runs. MIT's top sprinter had to play second fiddle to Northeastern speedster Bruno Joline, who beat Makatiani in the 55, 6.48 to 6.58, after Makatiani's terrible start, and won the 200 in 22.18 to Makatiani's 23.00.

Makatiani, whose strength is the 400 meters, came back with a



David H. Oliver

Bill Singhose '90 edges out in front of his Northeastern rival and wins a close race.

anticipation and preparation by MIT, especially in the December and January weeks preceding it.

From the outset it was clear that MIT would more than hold its own in the sprints and jumps. How well the Engineers could match up with the Huskies in the weight events and in the middle- and upper-distance running events, however, remained a

### Indoor Track vs. Northeastern University

at the Johnson Athletics Center,  
January 19, 1990

Weight throw — 1, Clarke, MIT, 57'-1"; 2, Shank, MIT, 53'-4 1/4"; 3, Halvorson, NU, 51'-6".

High jump — 1, Hirsch, NU, 7'-1/4"; 2, Martin, NU, 6'-6 1/4"; 3, Moose, MIT, 6'-1/4".

Pole vault — 1, Singhose, MIT, 14'-0"; 2, McNally, NUT, 12'-6"; 3, Moose, MIT, 12'-6".

Long jump — 1, Singhose, MIT, 23'-1 1/4"; 2, Scannell, MIT, 23'-0"; 3, McCrea, NU, 21'-11 1/2".

Triple jump — 1, Muse, NU, 47'-7 1/2"; 2, Singhose, MIT, 46'-0"; 3, Wareham, NU, 44'-10".

Shot put — 1, Davies, NU, 48'-6 1/2"; 2, Rice, NU, 47'-5 1/2"; 3, Masalsky, MIT, 45'-4".

55 meters — 1, Joline, NU, 6.48; 2, Makatiani, MIT, 6.58; 3, Martin, NU, 6.69.

55 meter hurdles — 1, Singhose, MIT, 7.79; 2, McCrea, NU, 7.79; 3, Towksbury, MIT, 8.24.

200 meters — 1, Joline, NU, 22.18; 2, Makatiani, MIT, 23.00; 3, Dunzo, MIT, 23.21.

400 meters — 1, Dunzo, MIT, 49.80; 2, Nedeau, NU, 50.35; 3, Spence, NU, 50.69.

800 meters — 1, Gomes, NU, 1:55.92; 2, Spence, NU, 1:57.96; 3, Wareham, NU, 2:00.52.

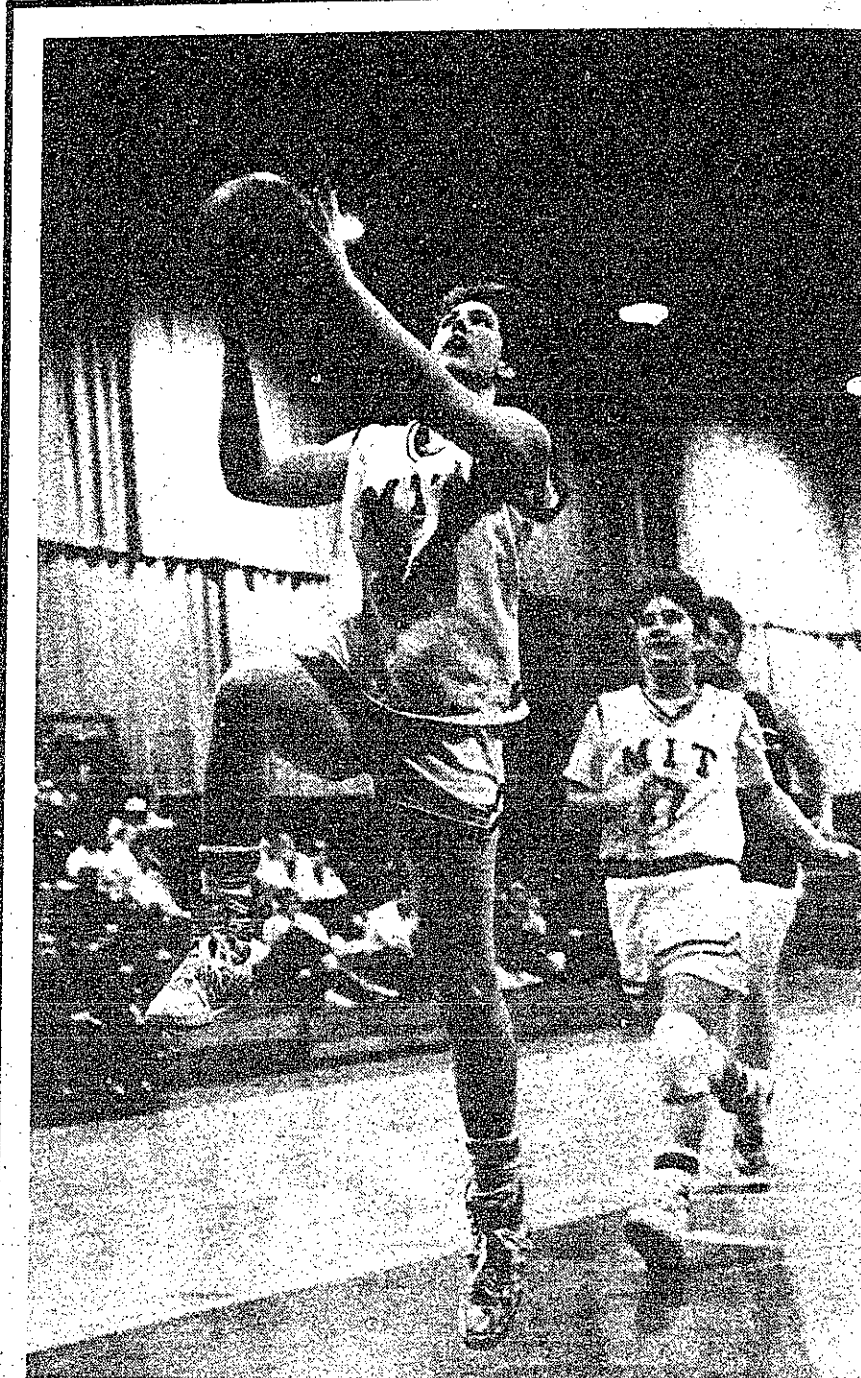
1500 meters — 1, Piepergerdes, MIT, 3:56.80; 2, DiBiasi, NU, 3:58.3; 3, Crook, NU, 4:00.55.

3000 meters — 1, DiBiasi, NU, 8:43.1; 2, Tenny, NU, 8:47.9; 3, Kelley, MIT, 8:53.4.

1600 meter relay — 1, MIT (Scannell, Singhose, Dunzo, Makatiani), 3:20.68; 2, NU, 3:22.87.

3200 meter relay — 1, NU, 8:04.31; 2, MIT (Claman, Manning, Piepergerdes, Kowalski), 8:21.17.

1, Northeastern, 71; 2, MIT, 56.



William Chu/The Tech

Maureen Fahey '90 zeroes in for a layout. Fahey scored the 1000th point of her career during Saturday's game. MIT defeated Colby-Sawyer College, 62-44.

## Men's gym improves but still loses to Springfield

By Keith MacKay

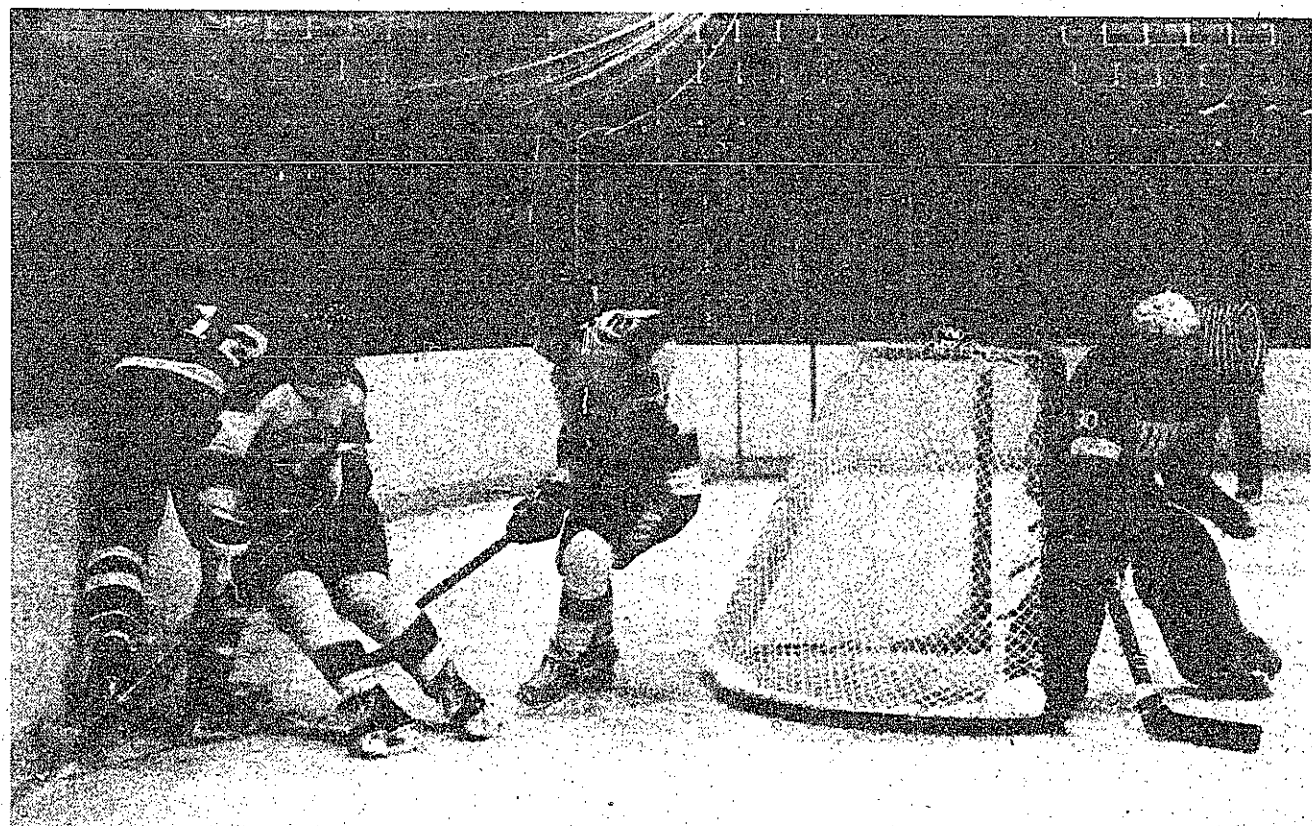
Despite a marked improvement over their first meet at Dartmouth on Jan. 6, the MIT men's gymnastics team lost to Springfield College on Saturday in their second meet of the season.

Springfield turned in an amazing performance of 240.45 points while the Engineers earned 144.00 — a respectable increase over the 113.25 points won by MIT in its first meet. The showing is made more impressive when one considers that the Engineers took four scores of zero in the Springfield meet as they did not have enough gymnasts to compete in every event.

Particularly noteworthy performances were turned in by team co-captain Tim Holt '90 and Reggie Abel '92, who both went all-around against Dartmouth, and by freshman Manuel Jaime. Jaime scored a season's best 29.65 in the all-around, while Abel performed a difficult hand-spring-front-somersault vault for a score of 8.5 and an excellent floor routine for a 7.2. Team veteran Antonio Hernandez '91 proved to be MIT's high scorer in rings, parallel bars, and high bar.

Next Saturday the team travels to a competition at West Point.

(Keith MacKay '91 is a member of the men's gymnastics team)



Kristine AuYeung/The Tech

Jason Kreiser '92 pins his Worcester Polytech opponent to the boards as Jeff Scharf '92 skates in to steal the puck. MIT lost to WPI in the finals of the Ben Martin Tournament on Saturday, 12-4.

The Engineers kept the game close in the early going, treading water at 3-3 until 4:45 of the second period. But WPI went on a tear, extending their lead to 8-3 by the end of the second, and finally winning the contest 12-4. Scoring for MIT were Scharf, PerGunnar Ostby '91, Mike Westphall '90, and Rob Silva '93.