

Gray to resign and head MIT Corporation

Institute begins the search for a new president

By Andrew L. Fish

MIT President Paul E. Gray '54 announced Friday that he will resign his position in July 1990. David S. Saxon '41, chairman of the MIT Corporation, announced that he will retire at the same time and that Gray will succeed him as chairman. The MIT Corporation is forming the Committee on the Presidency to search for Gray's successor.

The resignation and retirement were revealed at Friday's meeting of the MIT Corporation.

Gray has served as President since July 1980; Saxon has chaired the Corporation since July 1983. "Paul and I have talked for some time [about the transition]," Saxon said. Saxon will be 70 in 1990, and he believed he should follow the "general practice of the Institute" of retiring at that time.

In addition, 1990 will mark the 10th year of Gray's presidency. He accepted the post with the notion of serving a decade.

Saxon named Carl M. Mueller '41 to chair the Corporation Committee on the Presidency. Mueller chaired the search committees which selected both Gray as President and Saxon as Chairman. The committee's size and membership have not been determined, said Walter L. Milne, assistant to the chairman and to the president.

Saxon asked Professor Bernard J. Frieden, the chairman of the faculty, to form a faculty advisory committee to the Corporation committee. Frieden said he did not find out about Gray's resignation until Friday morning. He did not know what the faculty committee's size or composition

would be, and he did not know the time frame in which it would work.

Saxon's hope was that the search would be completed by the start of 1990. It took the Corporation 10 months to select Gray after former President Jerome B. Wiesner announced his retirement.

Milne, who will assist Mueller's committee, said the search will be national, and possibly international, in scope. "It is totally an open-ended process" — there is no bias in favor or against candidates currently at MIT, Milne said.

The last MIT President who was not employed by the Institute at the time of his selection was Karl T. Compton, who served from 1930-1949. His five successors (including Gray) were all affiliated with the Institute when they were named.

But "one should not start with the presumption that [the new president] is an insider," Saxon cautioned. While individuals affiliated with MIT would have an advantage in the search process since they "know the system," Saxon believed any such candidate "must compare with the best people in the nation."

Even though there has been a recent history of appointing individuals from inside the Institute to the presidency, Gray said "that's not a settled issue." But he acknowledged that "there may be some folks inside who may be qualified [for the position]."

Gray said that it would be "improper for a sitting President to play a role in a search," and that he would not assist the committee unless it came to him with

questions. For the same reason, he would not speculate about what qualities the next president should have.

The search committee will look at "what the issues and agenda of the Institute [will be] in the next ten years," Milne said. It will then focus on the qualities of each candidate, and how each is suited to the committee's goals.

Gray discusses his decision to leave position

By Andrew L. Fish

"I'm not enthusiastic about instant reflections," said MIT President Paul E. Gray '54 when asked about his tenure in office. Gray believed that "wiser heads will look back" and determine how he performed in office.

"I came in [to office] thinking that 10 years was about right," Gray explained. If a leader has not accomplished something in 10 years, he will probably not achieve it in four or five more years, Gray said. Also, it is important to bring "fresh energy" to the administration every so often.

(Please turn to page 2)

Student costs to rise by 7.2 percent

By John Hasemeyer

Last Friday the MIT Corporation approved the proposed tuition, room and board increase of \$1295 for the academic year 1989-90, making the total cost of attending MIT \$19,335 next year. The 7.2 percent hike is the largest in the last five years. Tuition, the biggest component, will rise from



Paul E. Gray '54

Tech File Photo

\$13,400 to \$14,500.

James J. Culliton, vice-president of financial operations, said additional money was needed to offset a budget deficit that in the next few years could be as large as \$10 million. He added that the Institute was "shaving back" salary increases and keeping the budgets of some programs at their present level. "If we can adhere to these parameters, the budget problem should be eliminated in a couple of years," Culliton said. The projected deficit for 1989-90 is \$6 million.

MIT's self-help level, the amount of money each student is expected to provide through loans or term-time work, will also increase. The \$400 raise will be the first in four years, and will bring the self-help level to \$5300.

MIT's self-help level has traditionally been higher than that at comparable schools like Harvard or Yale. But MIT does not adjust its aid packages to attract "brighter" students, explained Leonard V. Gallagher '54, director of student financial aid. He maintained that MIT would continue to meet the full demonstrated need of each applicant, in that while the self-help level would be

greater, "increased need [would] be met by increased grant money [from MIT]."

Michael C. Behnke, director of admissions, said that while the number of applicants to MIT is lower than in previous years, it is no lower than those to other private universities. He attributed the reduction to the lower cost of public education and the general reduction in applicants to engineering schools.

MIT's tuition increase is in line with a national trend in the growing cost of college education. *The Chronicle of Higher Education* reports that most colleges have already announced tuition raises between 7 and 10 percent, and that for the last eight years, the average raise in US college tuitions has been greater than the rate of inflation as measured by the Consumer Price Index.

While *The Chronicle* states that national statistics will not be complete until August of this year, the following are the tuition, room and board costs for several eastern colleges: Harvard University, \$19,395; Brown University, \$19,380; Dartmouth College, \$19,335; Princeton University, \$19,207; MIT, \$19,335.

Students consider two referenda

By Reuven M. Lerner

Students will voice their opinion on second-term freshman grades as part of Undergraduate Association elections on March 15. A non-binding referendum asks students how many pass/no-record classes undergraduates

should be allowed to take, and when they should be allowed to take them. Manuel Rodriguez '89, who submitted the referendum, says that the vote will inform the faculty of student opinion on the proposed changes in freshman grading.

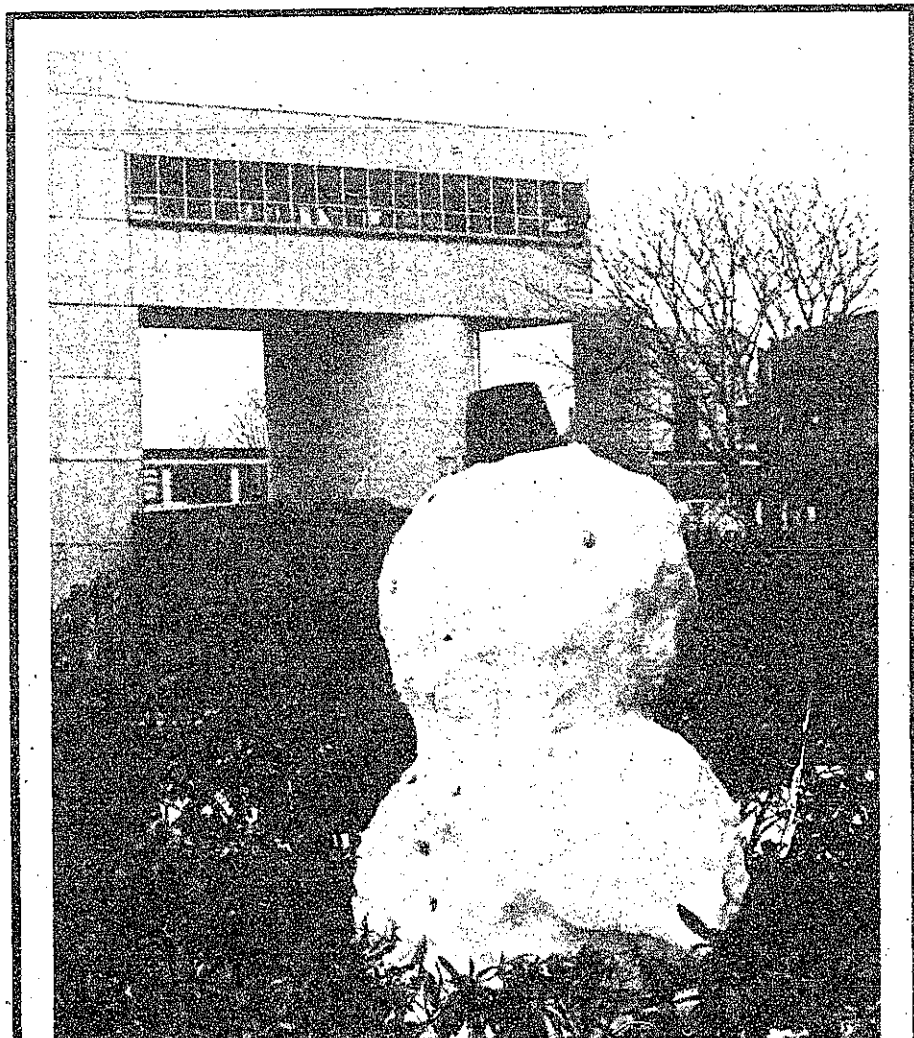
On Jan. 26 the Committee on the First-Year Program suggested to the Committee on the Undergraduate Program that second-semester pass/no-record grading be replaced with one subject "credit/no credit" per semester, starting in the spring of their freshman year. The MIT faculty will hear the proposal on March 15, the day of UA elections, and will vote on the proposed changes in April.

CUP student representative Alan Davidson '89 said that while "there are good things in the CFYP report," he had "yet to be convinced that pass/fail is the root of all the evil." He explained that the CFYP proposal was going to a faculty vote only because the CUP couldn't reach a consensus. Many faculty members think students want to do away with pass/no-credit, but the UA referendum may change their minds, Davidson said.

Associate Dean of Engineering Jack Kerrebrock said the referendum contains "an interesting set of possibilities," and that "the faculty will pay a lot of attention to the vote." He admitted that no students he knew wanted to abolish pass/no-credit grading completely and that he personally saw some good in the current grading system.

UA President Jonathan Katz '90 was disappointed that there has been no major student outcry against the report. While he acknowledged there were "prob-

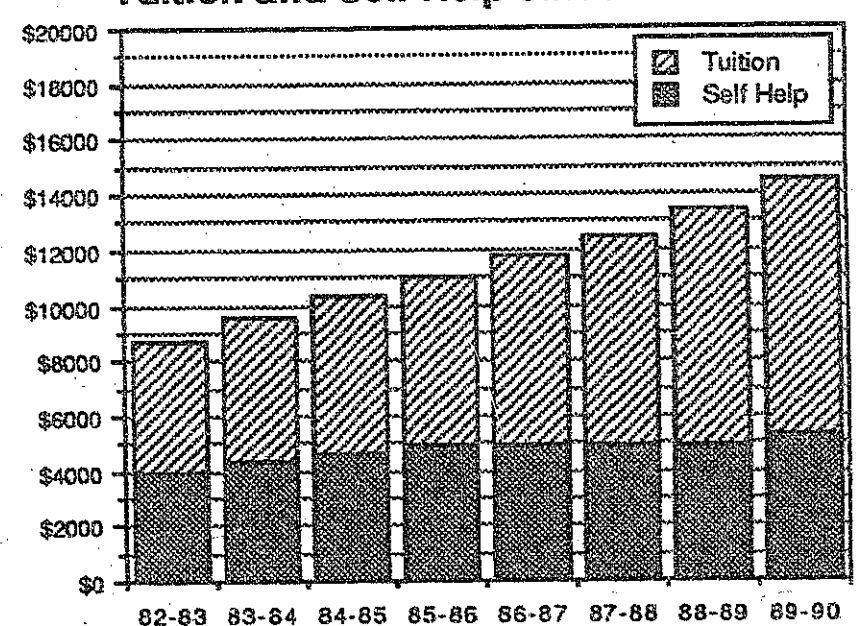
(Please turn to page 2)



Ray T. Powell/The Tech

Recently featureless, but otherwise hanging on, Mr. Snowman persistently resists the warming trend.

Tuition and Self Help since 1982-83



Tech Graphic by Mark Kantrowitz

Teach-in focuses on research and activism

By Anu Vedantham

George Wald, Professor of Biology at Harvard and a Nobel Laureate, joined seven other speakers in a three-hour teach-in on Friday. The teach-in commemorated the MIT research strike of twenty years ago and addressed policy issues facing MIT today.

On Tuesday, March 4, 1969, members of the MIT community conducted a day-long work stoppage to protest the levels of military research at MIT. This protest, and George Wald's speech "A Generation in Search of a Future," caught national press attention and spawned numerous investigations into the role of military research at American Universities.

Speakers at Friday's teach-in examined the results of that movement and criticized trends toward increased weapons research at MIT today. The teach-in was organized by Stephan Chorover, professor of Cognitive Science, and Scott Paradise, MIT Religious Counselor.

Student mindsets

Michael Albert '69, Undergraduate Association President in 1969, addressed four mindsets of many MIT students: "gee whiz," "I know best," "f—— them," and "people are s—— anyway." People with these mindsets, he said, consented to work on morally objectionable projects. He cited a helicopter stabilizer as one such project; according to him, the stabilizer gave helicopter-mounted machine guns greater accuracy, and was essential in the destruction of several civilian Vietnamese villages.

The "gee-whiz" mindset, he went on, fit the engineer who felt that any problem with technical challenge was worth working on regardless of its moral consequences.

He described the next two mindsets with an anecdote from his MIT undergraduate life. As a

Colleagues praise Gray's work at MIT

(Continued from page 1)

Except for two years in the army, Gray has been at MIT continuously since he was a freshman in 1950. Before becoming President, he served 9 years as chancellor, a post created for him as a "deputy" to the president. His total time as chancellor and president will be 19 years — "a third of my life," Gray noted. He believed it was time to move on to something else.

As Chairman, Gray said he will continue to spend "a third to a half of [his] time raising funds for MIT." But he emphasized that the President was the chief executive officer of MIT and that chairman was not an administrative officer. While the chairman "motivates and coordinates," he is not in the chain of command, Gray said.

But the MIT Chairman is a full time employee of the Institute and is therefore more active than chairmen at other schools, Gray said.

Gray encouraged diversity

"I believe Paul Gray has been a great leader for this institution," said Provost John M. Deutch '61. "I believe that his accomplishments as President will stand the test of time in the way MIT developed," he commented.

"I think Paul Gray is not widely recognized for his ability to foster diversity," even though he deserves to be, Deutch said. He fostered intellectual diversity by encouraging study in the social sciences and humanities as well as in science and engineering. Gray also encouraged alternative methods of learning, like work in

freshman; Albert pledged Alpha Epsilon Pi, only to be told after initiation that his brothers had tapped the freshmen's phone conversations during rush week.

His fraternity claimed that this policy allowed better recruitment of pledges. Albert's fellow pledges did not challenge this policy. Albert, however, became incensed at this invasion of privacy, deplored the fraternity, and made this information public.

His fraternity defended its policy with the "I know best" attitude, Albert explained. They claimed that as upperclassmen they were better judges of where the freshmen would be happier living, and that their policy was strictly done as a service to the incoming freshmen, Albert said.

After much debate, some fraternity brothers admitted in private meetings that the policy was immoral, but highly profitable for the fraternity. This lack of ethics describes the "f—— them" attitude, Albert said.

The last mindset, "people are s—— anyway," is the most dangerous, Albert warned. This mindset holds that people are basically greedy and evil, and that there is no hope for a better world. Therefore all positive activism is a waste of energy. Albert guessed that all four mindsets were still prevalent on the MIT campus today.

Albert then described the "radical" mindset of the '60s which focused on positive action, and was captured in the slogan "Power to the People."

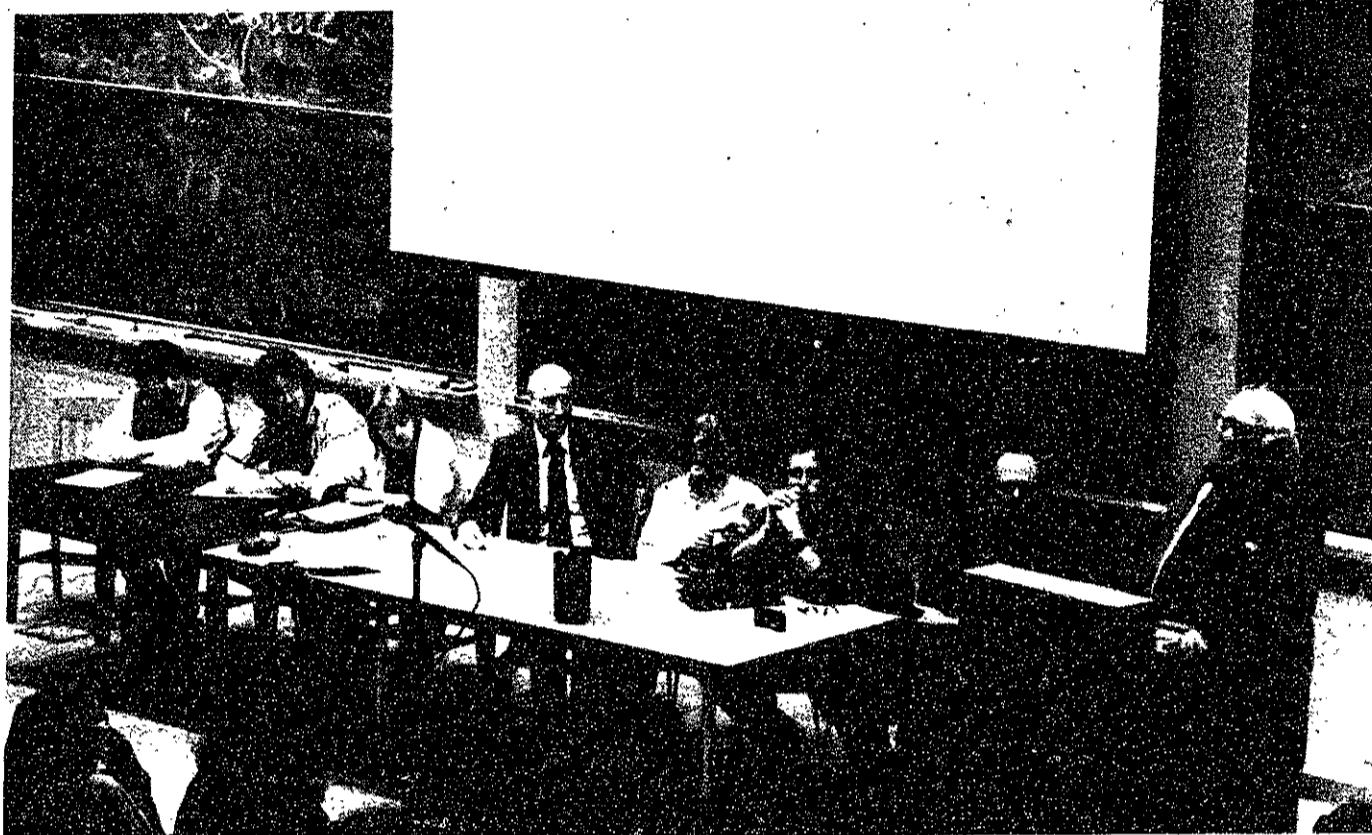
He claimed that change is impossible at MIT through logical arguments; it happens only when activists make the cost of maintaining a policy higher than the cost of abolishing it.

"Twisted" research

Tom H'su G, a nuclear engineering student and a member of *ad hoc* Committee on Military Impact on Campus Research,

spoke about chemical and biological weapons research at MIT. "Chemical and biological weapons are about the most twisted products you can [get] out of a laboratory," he said.

H'su criticized the development of poisonous mycotoxins at MIT under the guise of medicinal research. He discussed biological weapons that the United States has, which are designed to spread epidemics such as smallpox and anthrax. He also noted that the United States and Iraq are the only two nations ever to have ever used biological weapons, and that this country currently spends \$1 million annually on biological and chemical weapons research.



Andy Silber/The Tech

The panel of speakers at last Friday's commemoration of university research strike on March 4, 1969, including Nobel Laureate George Wald (right).

Students to vote on two referenda

(Continued from page 1)

learning the material, then perhaps those freshmen should not be allowed to pass. Rodriguez, last year's UAP, said the five voting options would be explained in detail on the ballot. One would indicate acceptance of the CFYP proposal, while another would ask to keep the grading system as it is.

A third proposal would let students take any seven subjects on pass/no-credit, whenever they want, beginning with their second semester. Rodriguez said that this option would leave the current system intact for those who wanted it, while giving increased flexibility to those who didn't.

A fourth option, "other," would let students state any other ideas they might have. Currently, a fifth choice reads "no option," but Rodriguez said that this option may be replaced by one or two other grading system proposals sometime this week.

Dean for Undergraduate Education Margaret L. A. MacVicar '65 said the referendum "seems reasonable," and was happy to see that students have "a range of options," as opposed to "all up or all down," when voting. MacVicar said that while the CFYP proposal is the most conservative on the student ballot, it is the middle-of-the-road position both in the minds and on the ballots of the faculty. The most extreme option that the faculty has is complete elimination of pass/no-credit freshman grading, an option which she said most students have not considered. She added that some faculty members have been trying to eliminate pass/no-credit grading for over a decade, and said that "pass/no-credit is not perceived as a freedom issue."

Davidson thinks the faculty is ready to pass the changes. "The only thing that's going to change their minds now is us," he added. But he wanted students to realize that "the faculty has a lot of respect for us," and that if students

protest the proposed changes, faculty members may change their minds.

Ethics referendum also on ballot

Rodriguez was also instrumental in getting an ethics referendum on the ballot. If this referendum passes, graduating seniors will receive copies of a pledge committing themselves to investigate the environmental and social attitudes of their employers. The proposal reads, "Do you favor the distribution of this personal pledge at the MIT Commencement Ceremony which would be handed out with the graduation diploma and signed at the discretion of the student?"

The pledge is similar to measures taken at other universities, including Stanford, in the last few years. The proposed pledge reads as follows: "I pledge to investigate thoroughly and to weigh the social and environmental consequences of any professional activity that I may undertake."

"The Coalition to Humanize MIT" introduced a similar pledge at last year's commencement, and expressed hopes that a referendum would be introduced on this year's UA ballot asking for student approval on distribution of the pledge. When asked for her reaction, MacVicar said she was in favor of the pledge, and suggested that incoming freshmen be requested to sign such a pledge. She added that a pledge would help students think about the ramifications of their work both during and after their studies at MIT.

Rodriguez said that the proposed pledge doesn't discourage graduates from working for companies which have negative environmental and social records. Instead, he suggested, alumni should seek out such companies, and attempt to change them, rather than work for groups with already-established good reputations.



Tech File Photo
David S. Saxon '41

Deutch said. This diversity marks MIT as being able to deal with the greater complexity of the world, Deutch said.

Gray was also concerned about creating diversity in undergraduate life, Deutch noted. He paid

MIT Corporation Chairman announces retirement plans

By Andrew L. Fish

David S. Saxon '41 was only the second of six Chairmen of the MIT Corporation not to have served as President of MIT. In fact, Saxon spent most of his life in the University of California system, where he served as President for eight years.

Saxon said he felt "reasonably good" about his tenure as chairman of the MIT Corporation, which will have been seven years long when he steps down in 1990. "I do feel that I brought to MIT and the Corporation a new perspective," Saxon said. Coming

from another institution gave him a different viewpoint that fostered changes "in a small way," he said.

One regret Saxon had was that his role in MIT's Campaign for the Future "has been more effective at the conceptual level" than at raising actual funds. He said that this was a matter of personality and that little could be done about it.

Saxon noted that the chairman was conceived as a position for a past president — not someone who was outside the MIT administration. Therefore, President Paul E. Gray '54 was a natural choice for the post.

Saxon and Gray have "worked as a team" for the past five years and have had a "harmonious, comfortable relationship," Saxon said. "I can't think of a single discordant note over this time."

After stepping down as chairman, Saxon plans to spend time on both coasts, working as a volunteer for MIT and re-establishing ties with the University of California system. "These are two absolutely wonderful institutions," Saxon said. The opportunity to serve them, both is "an attractive prospect."

news roundup

from the associated press wire

Nation

Strike almost shuts down Eastern

On the third day of a walkout by the machinists' union, Eastern Airlines is admitting it can operate only a fraction of its scheduled flights. The airline says five thousand workers have been laid off and nearly all operations shut down because most pilots continue to honor the machinists' picket lines. A spokesman says Eastern will concentrate on operating its most profitable routes — the Northeast Shuttle and three flights a week between Miami and South America.

Earlier, the airline asked a federal judge to order the pilots back to work. Eastern claims the pilots are staging an illegal strike independent of the machinist walkout. The pilots union contends it's not on strike but is merely honoring machinist picket lines. Pilots industry-wide are planning to act in support of Eastern's workers starting tomorrow morning. The pilots' union is calling on members to observe aviation rules — which could slow travel on many airlines.

A White House spokesman said President Bush was ready to act quickly with a bill banning secondary picketing if the strike against Eastern spread. Court orders so far have prevented the machinists from shutting down commuter rail lines. A congressional hearing on legislation aimed at forcing Bush to appoint an emergency board and to end the strike for 60 days will be held today.

Eastern Airlines spokesman Robin Matell said Eastern would file for bankruptcy only as a last resort — but indicated that the pilots' action might force the airline to consider that option.

Alabama Democrat supports Tower

At long last, Defense Secretary-Designate John Tower has a Democrat in his corner. Senator Howell Heflin of Alabama yesterday became the first Democrat to announce that he will support Tower's nomination. In a Senate speech, Heflin referred to Tower's pledge to abstain from alcohol if he is confirmed, and said he would "give him a chance to prove himself." Moments later, another Southern Democrat — David Pryor of Arkansas — said he would vote against confirmation.

Heflin spoke just hours after President Bush gave a ringing endorsement of his nominee at a Veterans of Foreign Wars convention in Washington. In an angry tone, he told the cheering veterans that he stood by his man — and was "fed up with innuendoes" against Tower. He asked Senators to "put partisanship aside," and to draw on their experience with Tower as an expert on defense issues and as "a tough, hard-nosed negotiator."

Town police budget covered by donations

The McKeesport, Pennsylvania, Police Department is back up to full staff, thanks to the generosity of the people it protects. Nearly half the 50-member force was furloughed last week because of a city budget crunch. But townspeople raised \$110,000 to bring the police back. One laid-off policeman said it was a real shock because "a lot of people don't want you around until you're needed."

World

Soviets propose European arms cuts

In a sweeping proposal, the Soviets are pushing to eliminate all battlefield nuclear weapons from Europe. At a meeting of foreign ministers in Vienna, Soviet Foreign Minister Eduard Shevardnadze also recommended huge reductions in troops and armor. The proposals go far beyond the reductions NATO plans to suggest at conventional arms talks that begin Thursday.

Seven die in British train crashes

Concern about railroad safety is growing in Great Britain after the second fatal train crash in 48 hours. Two commuter trains collided head-on east of Glasgow, Scotland, yesterday, killing two people. On Saturday, five people died and 94 were injured in a collision of two British Rail trains outside London.

Prince: Ozone-depleting chemicals are not cricket

Scientists attending a London conference on the ozone layer got a plea today from the heir to the British throne. Prince Charles called for a ban on ozone-depleting chemicals by the end of the century. Charles says people are looking to world leaders to make bold decisions to save the Earth's environment.

DUI need not be tried by jury

The Supreme Court has ruled that people accused of drunken driving generally have no right to a jury trial if they face a maximum jail sentence of six months. Despite growing national concern over the seriousness of drunken driving, the Court says rights to a fair trial are not violated by treating driving under the influence as a petty crime.

The court also upheld a Texas law that allows corporal punishment in public schools.

Contra suppliers link North with Iran arms

Two Air Force retirees who helped supply the Nicaraguan contras told Oliver North's trial today that they got involved in the Iran arms deals through a North associate. It was the first mention of Iranian arms dealing in testimony at North's trial.

Discovery launch postponed

The failure of an electronic part has postponed the launch of the space shuttle *Discovery* by at least two days. The part is vital because it separates the booster rockets and fuel tank from the spaceship in flight. A spokeswoman says a firm launch date will not be set until Wednesday. *Discovery* has been scheduled to go into space Saturday.

Cracks appear in Easter egg supply

Not enough eggs for Easter? That's the prediction of one industry official who says eggs are in very tight supply these days. Many producers went out of business after last summer's drought, while others were unable to cope with continued losses due to rising operating costs. But a Federal expert says the decrease in the number of producers is just a symptom of growing consumer preference for lower-cholesterol alternatives at the breakfast table.

Sports

Tom Landry may coach anti-drug enforcement

Jimmy Johnson's move to the Dallas Cowboys knocked Tom Landry out of a job, but perhaps not for long. Texas Governor Bill Clements wants the long-time Cowboys coach to become the state's drug enforcement czar. An aide to the Governor admits the plan is in a very early stage.

Johnson only took legal drugs

The coach for Canadian sprinter Ben Johnson yesterday raised the specter of sabotage in Johnson's positive steroids test at the 1988 Olympic Summer Games in Seoul. Resuming testimony before a Canadian inquiry into drugs and athletics, Charlie Francis acknowledged Johnson used steroids prior to the summer games. However, Francis said the drug for which Johnson tested positive was not the same drug he had been using.

The steroid stanozolol was detected in Johnson's urine following his 100-meter sprint victory leading to Johnson's disqualification from the games, loss of the gold medal, and suspension from international competition for two years. Francis says Johnson was actually using the steroid furazabol, which was not on the list of banned substances.

Oklahoma U. star arrested

University of Oklahoma officials are still trying to decide what course of action to take in the wake of the weekend arrest of basketball star Mookie Blaylock. The Blaylock arrest on a complaint of public intoxication was just the latest episode in a series of embarrassing incidents for the school's athletes.

The Sooners had the day off yesterday and resume practice today for Friday's start of the Big Eight conference basketball tournament.

Briton elected to Tennis Hall of Fame

British great Virginia Wade has been elected to the International Tennis Hall of Fame. She was the winner of the first US Open Women's Tennis Hall of Fame. She was the winner of the first US Open Women's Singles Title in 1968, and also claimed the Wimbledon Singles Title in the 100th Anniversary year of the British championship.

Sabres improve defense with trade

The Buffalo Sabres hope they've bolstered their struggling defense, getting goalie Clint Malarchuk and defenseman Grant Ledyard in a trade with Washington. The Caps picked up defenseman Calle Johansson in the deal. The two teams also swapped draft choice as part of the trade.

Local

House debates state budget

The Massachusetts House opened debate yesterday on the state budget for fiscal 1990. Democrats and Republicans alike urged their colleagues to cap spending despite heavy lobbying by special interest groups. House Ways and Means Chairman Richard Voke said the state was in grave financial shape. His committee reported a \$12.3 billion bill aimed at avoiding new taxes. Governor Michael Dukakis had filed a \$12.9 billion bill, but he included a \$600 million tax hike proposal. Voke claimed the Governor's plan would set the stage for more tax increases in future years. He said the state must learn to live within its means.

The House shrugged off a bid by a citizen's group for a two-week postponement of debate. As debate opened, Bay State mayors warned of police and teacher layoffs if the House plan is approved. The Massachusetts Municipal Association said cities and towns cannot absorb a \$111 million cut in state aid.

Alleged sexual abuser seeks reinstatement as teacher

An elementary school teacher in Tiverton, Rhode Island, who was banned from Tiverton classrooms in late 1982, when he faced two counts of sexual assault, has filed a lawsuit that he be reinstated. He is also suing for more than \$45,000, which he claims is owed for interest and tax exemptions available to Tiverton teachers. For the past two years, Simmons has been on administrative leave and has received bimonthly paychecks from the School Committee. He has a jury cleared Simmons, who was on voluntary leave, of two counts of second degree sexual assault in 1984. The Tiverton School Committee refused to return him to class that year, calling him a threat to students.

Work camp prison studied

Massachusetts sheriffs plan to study the idea of a work camp for young men convicted of minor crimes. They set up a six-member committee to make the survey. A spokesman for the Hampden County Sheriff's Department says the camp would try to discourage its inmates from a life of crime. Richard McCarthy says the idea is to create a highly disciplined, boot-camp style of program for about 150 first offenders that would give them productive activity and discipline. McCarthy says the camp would have maximum-security conditions. Several other states, chiefly in the South and West, have similar camps already, according to McCarthy.

New England unplugged from Canadian power

The New England Power Pool reports a Canadian utility has decided to stop supplying power to the region. Spokesman William Shepherdson says the move may be costly to New England, but will not threaten power supplies. Hydro-Quebec announced it will probably end sale of its surplus power to the Northeast because drought conditions have affected its hydroelectric plants. Shepherdson says the Quebec power has helped the region supply peak demand in winter and summer, but that New England utilities did not count on the Canadian power. Shepherdson says the Quebec allotment saves New England some money.

Hydro Quebec has another contract beginning next year to sell New England 1,300 megawatts of power. The company says it wants to conserve water in order to fulfill that commitment.

Weather

Oh Canada, cold Canada

Cold is the word for our weather during the next 2-3 days. High pressure building into New England has brought cold Canadian air into our region. The slow eastward progression of the high will result in below normal temperatures for the next couple of days. We will see a gradual moderation in temperature as the weekend approaches.

Today: Skies will be partly to mostly cloudy with a cold northeasterly wind. High temperatures will be 20-25°F (-7-4°C) while winds will be N-NE at 15-20 mph (24-32 kph).

Tonight: Continued cloudy and cold with low temperatures near 15°F (-9°C). Winds will be northeasterly at 15-20 mph (24-32 kph).

Wednesday: Cloudy with highs 25-30°F (-4-1°C).
Thursday: Partial clearing with highs near 32°F (0°C).

Forecast by Robert Black

Compiled by Seth Gordon

opinion

LETTERS TO THE EDITOR

Nakasone remarks do not represent Japanese society

The Tech's article [“Nakasone pulls out of 1989 Compton Lecture,” Mar. 3] reflects insufficient understanding of the circumstances surrounding the former Prime Minister's decision to cancel his appearance at the 1989 Compton Lecture. The article states that according to the Japanese Consulate in Boston, Nakasone chose to remain in Japan to participate in Diet deliberations, and according to the *Boston Globe*, he may also be forced to appear before the Diet to explain his involvement in the Recruit scandal. The rest of the article is devoted to Reverend Stith and his associates, who had plans to protest statements made by the former Prime Minister that implied that minorities in the United States lowered the general educational level of the country.

Although Stith's views are given prominence in this article, the statements which he is criticizing are never satisfactorily explained or quoted in full. Stith is referring to a statement made by Nakasone in September of 1986 at a conference of junior Liberal Democratic Party members of the Diet. He said, “Japan is a highly educated and fairly intelligent society. Much more so than America, on the average. In America there are quite a few black people, Puerto Ricans, and Mexicans. On average it is still very low. I know there are many black people who still cannot read their letters.” After being criticized for this statement, he apologized and said that his com-

ments were taken out of context, and that he was not referring to the intelligence level, but to the general literacy level.

Stith is quoted saying that he considered the cancellation of the trip “a victory” and “MIT should not be a forum for men with Nakasone's views.” Since most of the article is devoted to Stith, one might get the wrong impression that one important reason for the cancellation was Nakasone's fear of being confronted by protesters. The former Prime Minister had been scheduled to talk at MIT and Yale University, and then proceed to Washington to meet with politicians there. Nakasone was looking forward to this trip and was fully aware of the great resentment that many people feel about his comments. However, a member of the Diet cannot travel overseas for more than seven days while the Diet is in session without permission from fellow parliamentarians. Since the trip was scheduled to last for more than seven days, he was planning to ask for this permission.

But Nakasone cannot travel to the United States because he is under political attack and opposition parties are boycotting Diet deliberations, demanding that he explain his role in various aspects of the Recruit scandal during his tenure. If the opposition parties are boycotting the Diet, Nakasone cannot get permission to travel abroad.

The article states that Stith sees “far reaching implications in

Nakasone's remarks.” He says: “With Japan investing \$100 billion in the US economy, minority hiring by US corporations is going to be affected.”

This statement grossly exaggerates the weight of Japanese investment in the US economy (the country with the most investments in the United States is the Netherlands) and ignores the discriminatory hiring practices that have been practiced by US businesses for hundreds of years. In addition, the implication that one public statement by a leader can shape Japanese investment and hiring practices in the United States is an insult to a strong political democracy with a very wide political and ideological spectrum, ranging from the conservative Liberal Democratic Party to the Communists, which routinely captures around 30 of the 511 seats in the House of Representatives. Such pluralism cannot be seen in the US Congress.

Stith's statement epitomizes his Japanese political system and the assumption that a public statement by a stupid politician shapes a monolithic Japanese labor policy. If Reverend Stith is really interested in addressing minority hiring and economic issues and the potential impact on them from Japanese corporate investment in the United States, he should concentrate on studying Japanese business practices in the United States, which have a direct impact on economic issues.

Fumitomo Hide '91

Westerners deplore Rushdie threat, not book criticisms

In his recent letter to the editor [“*Satanic Verses* is libel against Islam,” Feb. 28] Semseddin Türköz completely avoids the central issue in the recent furor over Salman Rushdie's novel, *The Satanic Verses*. There can be little doubt that this book is truly repugnant and insulting to Muslims everywhere. That much seems obvious from the extraordinary anger and violence that it has sparked. Furthermore, Türköz is undoubtedly correct in his claim that non-Muslims are largely ignorant of Muslims and Islam. We must respect his sincere desire to tell us how deeply offensive this book is to those of the Islamic faith.

Yet Türköz ignores what is important. Nowhere does he say where he stands on the Ayatollah's death threat against Rushdie, in spite of the fact that this issue completely overshadows the book itself. Only in the last sentence does he hint at his true feelings when he says “we pray that this entire matter is resolved swiftly and justly.” What could that be except a prayer for Rushdie's murder?

Türköz complains that Westerners have come to Rushdie's defense. What he doesn't understand is that nobody is defending the book or its contents. They are defending the author's right to write what he wants, without fear of death. There is a big difference. Indeed, it is appropriate to decry the former and defend the latter.

Türköz attempts an analogy when he suggests that Western intellectuals would not behave the same if the roles were reverse. He is totally wrong. Time after time, we have defended the rights of neo-Nazis, pornographers, Klan members and everyone else to have their say, even when their views were totally repugnant to

us. Furthermore, Türköz's analogy was grossly incomplete because he didn't include the analog of Khomeini's death threat. If, for example, an American president was to offer \$1 million for the murder of, say, the director of *The Last Temptation of Christ*, not only would there be an enormous outcry, but that president would be put in jail! His “analogy” underscores just how barbaric the Khomeini regime is.

Türköz complains that Rushdie's apology to the Islamic world “totally ignored the numerous deaths that have occurred over this novel.” He forgets that Rushdie did not kill anyone. It is not Rushdie's fault when mobs begin to riot over a book which most haven't even read. It is not Rushdie's fault when Ayatollah Khomeini is encouraging hysteria to rekindle the flames of his dying *jihād*. These people died because of blind religious zealotry, like so many others in history, who have died senselessly, in the name of one god or another. How can a truly religious person believe his faith is threatened by the words of a mere human?

When Mr. Türköz suggests that Rushdie's book is libelous or slanderous, in the legal sense, he is simply wrong. When he condescendingly worries that Rushdie's book is misleading to the non-Muslim world, he should remember that hardly anyone would have even read the book had it not been for Khomeini's barbaric death threat. No one has done more to reinforce “Western prejudices and myths about Islam” than the Ayatollah himself. And who can blame Westerners for holding these prejudices when Muslim intellectuals, including Türköz, are unwilling to denounce Khomeini's uncivilized behavior? Murder is a far greater

sin than any written word.

Türköz betrays his own zealotry when he reminds us twice that there are “one billion Muslims” and says that we Westerners “should consider the fact that Muslims strive toward the example of the Prophet Muhammed (p.b.u.h.) more than that of any other human.” Who cares? A similar self-righteous arrogance can be found, to varying degrees, in virtually every organized religion.

Türköz demonstrates his misconceptions about democracy when he says, “No civilized society can condone the publication of explosively misleading material disguised as ‘literature.’” Please, Mr. Türköz, do not presume to instruct us on what is and is not civilized. We need only look at Ayatollah Khomeini to see a living definition of barbarism. In this country, the rules are fair and simple: Rushdie may write whatever he wants. Khomeini is free to write a rebuttal. Anybody who wants to read any of it is free to do so. But no one may murder. That is civilized.

Adam A. Brailove G

Book's quality is irrelevant in face of murder threat

The Iranian government's reaction to *The Satanic Verses* largely eclipses any questions about the quality of that book. Semseddin Türköz's letter [“*Satanic Verses* is libel against Islam,” Feb. 28] apparently approving of the Ayatollah's sentence is unworthy of any member of this community, let alone one writing as president of a society which enjoys special privileges.

Jorgen Harmse G



TheTech

Volume 109, Number 9 Tuesday, March 7, 1989

Chairman Marie E. V. Coppola '90
Editor in Chief Niraj S. Desai '90
Business Manager Genevieve C. Sparagna '90
Managing Editor Peter E. Dunn '90
Executive Editor Andrew L. Fish '89

News Editors Annabelle Boyd '90
 Irene C. Kuo '90
 Prabhat Mehta '91
Opinion Editor Michael Gojer '90
Sports Editors Michael J. Garrison G
 Harold A. Stern G
Arts Editors Christopher J. Andrews '88
 Debby Levinson '91
Photography Editors Lisette W. M. Lambregts '90
 Kristine AuYeung '91
Contributing Editors V. Michael Bove G
 Mark Kantrowitz '89
 Ezra Peisach '89
 Kyle G. Peltonen '89
 Mark D. Virtue '90
Senior Editor Jonathan Richmond G

NEWS STAFF

Associate News Editors: Linda D'Angelo '90, Seth Gordon '91, Gaurav Rewari '91, David Rothstein '91; **Senior Writers:** Mathews M. Cherian G, David P. Hamilton G; **Staff:** Salman Akhtar '89, Mary Condello '89, Sanjay Manandhar '89, Sally Vanerian '89, Anuradha Vedantham '89, Anita Hsiung '90, Miguel Cantillo '91, Adnan Lawai '91, Tzielan Lee '92, Amy J. Ravin '92, Joannina Stone '92, Casimir Wierzynski '92, Paula Maure; **Meteorologists:** Robert X. Black G, Robert J. Conzemius G, Michael C. Morgan G.

SPORTS STAFF

Marcia Smith '89, Adam Anh Thu '91, Paul McKenzie '90, Manish Bapna '91, Marcia Smith '89, Emil Dabora '91, Kevin T. Hwang '91, Shawn Mastrian '91.

OPINION STAFF

Daniel J. Glenn G, David Gold G, Kevin J. Saeger G.

FEATURES STAFF

Christopher R. Doerr '89, Allan T. Duffin '91.

ARTS STAFF

Mark Roberts G, Julian West G, Bill Coderre '86, Mark Roman '87, David M. J. Saslav '87, Manavendra K. Thakur '87, Michelle P. Perry '89, Corinne Wayshak '89, Peter Parnassa '90, Paige Parsons '90, Alfred Armendariz '92.

PHOTOGRAPHY STAFF

Associate Photography Editor: Michael G. Fletcher '88; **Staff:** Michael D. Grossberg G, Andy Silber G, Rich R. Fletcher '88, Joyce Y. Wong '88, Victor Liu '89, Joyce Ma '89, Ken Church '90, Julian Iragorri '89, Mike Niles '90, Wes Huang '91, Sarath Krishnaswamy '91, Georgina A. Maldonado '91, Ognen J. Nastov '91, Ray Powell '91, Mauricio Roman '91, Jacqueline D. Glener, Alice P. Lei; **Darkroom Manager:** Kyle G. Peltonen '89.

BUSINESS STAFF

Associate Advertising Manager: Lois Eaton '92; **Advertising Accounts Manager:** Catherine Lukancic '92; **Delinquent Accounts Manager:** Russell Wilcox '91; **Staff:** Shanwei Chen '92, Heidi Goo '92, Ellen Hornbeck '92.

PRODUCTION STAFF

Associate Night Editors: Bhavik R. Bakshi G, Daniel A. Sidney G, Josh Hartmann '92; **Staff:** Stephen P. Berczuk '87, Carmen-Anita C. Signes '90, Blanca D. Hernandez '91, David J. Chen '92, Peggy C. Hsieh '92, Lesley C. Johnson '92, Elyta H. Koh '92, SheeYun Park '92, Linda M. Sauter '92, Mariam Tariq '92, M. L. B. Thompson '92.

PRODUCTION STAFF FOR THIS ISSUE

Night Editors: Ezra Peisach '89
 Josh Hartmann '89
Staff: Bhavik R. Bakshi G, Peter E. Dunn G, Shari L. Jackson G, Daniel A. Sidney G, Mark Kantrowitz '89, Lisette W. M. Lambregts '90, Debby Levinson '91.

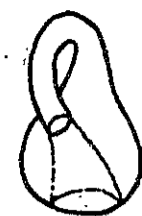
The Tech (ISSN 0148-9607) is published Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer for \$17.00 per year. Third Class by The Tech, 84 Massachusetts Ave. Room W20-483, Cambridge, MA 02139-0901. Third Class postage paid at Boston, MA. Non-Profit Org. Permit No. 59720. POSTMASTER: Please send all address changes to our mailing address: The Tech, PO Box 29, MIT Branch, Cambridge, MA 02139-0901. Telephone: (617) 253-4541. FAX: (617) 255-6226. Advertising, subscription, and typesetting rates available. Entire contents © 1989 The Tech. The Tech is a member of the Associated Press. Printed by Charles River Publishing, Inc.

opinion

INSIDE OUTSIDE

New phone feature could result in loss of privacy

by Mark Kantrowitz



NYNEX announced last Tuesday that it plans to introduce "Caller Number Delivery," a service for residence and business customers which displays the telephone number of an incoming call before the call is answered. While the new capabilities have been praised in telephone company market studies and customer surveys, some groups feel that they may result in a decline in usage of confidential telephone services and hotlines, since callers would effectively be forced to announce their identity.

Unlike MIT's new phone system — which has the caller number delivery feature — NYNEX does not plan to offer a blocking function for users who wish to retain their privacy. Currently MIT users may prevent a digital phone from displaying their telephone number by dialing "65" before placing the call. "We believe the terminating party has a right to know where the call is coming from," said Gerald J. Malette, New England Telephone's product manager.

But John Roberts, Executive Director of the Civil Liberties Union of Massachusetts, does not agree. "We will be opposing it," he said, adding that "people should have control over their privacy."

Roberts wondered how this would affect people with unlisted numbers. "If they have to pay extra to have it blocked, is that fair?"

Malette countered that New England Telephone is moving forward on the basis of New Jersey Bell's experience, which has been offering the service on a test basis since December and has received virtually no complaints. "Besides, the utility of the feature would be restricted if the majority of calls were not passed," he added.

Malette noted that the American Civil Liberties Union did not intervene in the New Jersey case, "presumably because there are arguments on both sides of the street." The telephone company's contract with unlisted number customer's is that they won't publish the number or divulge it through directory assistance. "Such customers generally call people who they already know, and are not opposed in that

case, as the New Jersey test shows," he said.

"Most customers want the ability to screen calls; letting them know who's calling makes them feel more secure," Malette added. "Just think how great it would be if we could eliminate or significantly reduce harassing and obscene phone calls. False alarms dropped significantly in New Jersey shortly after the introduction of the service. It makes people think a little bit more before using the phone on a lark." The service also allows take-out restaurants and delivery services to avoid crank calls, by letting them know who's calling.

The ability to screen calls, however, might lead to discrimination if someone decides not to receive telephone calls from a particular number. For example, I recently called an MIT administrative office,

announcing "I'm calling from *The Tech*," and they replied "I know."

Some organizations are concerned that callers might be less likely to use confidential telephone services for fear that their telephone numbers, and hence their names, would be revealed. Nancy Gleason, outreach coordinator for the Samaritans, said that "we would not use [this service] because confidentiality is very important to our callers. We wouldn't do something which might invade their privacy." At MIT, Nightline ensured the confidentiality of their callers by physically removing the LCD displays from their phones.

The new feature will be a boon to emergency services, such as police, fire, and ambulance, according to Malette. Such services will be better able to respond in crisis situations where the caller panicked.

If the caller accidentally hung up, they could call them back, or even trace the address by the phone number.

Though the new feature is desired by many people, New England Telephone could alleviate many concerns by enabling a directory number privacy feature similar to that at MIT. Such a feature allows people to make their phone number private on a per-call basis. An individual could choose whether to accept calls from private numbers, and the telephone company could override the privacy feature in cases of obscene and harassing phone calls.

Mark Kantrowitz, a senior in the Departments of Mathematics and Philosophy, is a contributing editor of The Tech.



HARVARD

Summer School '89

June 26-August 18



Harvard Summer School offers open enrollment in day and evening courses. The curriculum includes courses that fulfill college degree requirements and programs designed for personal and professional development.

Our international student body has access to Harvard's outstanding libraries, fine museums, well-equipped laboratories, and cultural activities.

We feature a college-level program for secondary school juniors and seniors,* as well as a Dance Center and special programs in Drama, Writing, Ukrainian Studies, and English as a Second Language.

For more information return the coupon below or call (617) 495-2694 (24-hour line). Please allow 3-4 weeks for delivery.

(*admission required)

YES, please send a 1989 Harvard Summer School CATALOGUE and/or specific information about the following programs:

- Secondary School Program
- English as a Second Language
- Dance Center
- Drama
- Writing

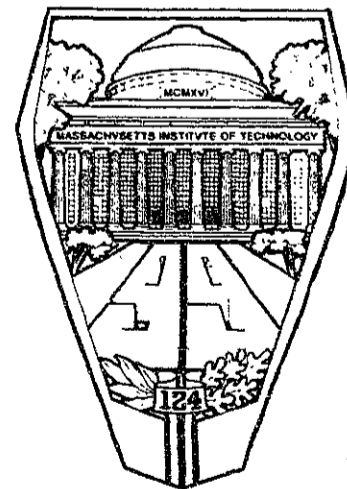
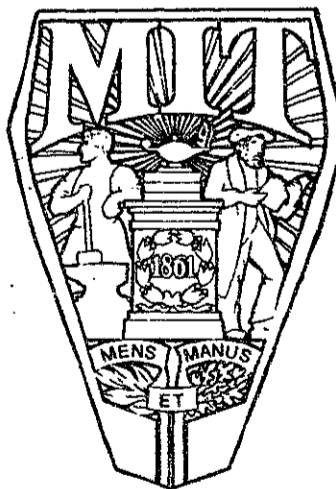
Name _____

Address _____

City, State, Zip _____

HARVARD UNIVERSITY SUMMER SCHOOL
Dept. 678, 20 Garden Street, Cambridge, MA 02138 USA

CLASS OF 1991 RING ORDERING

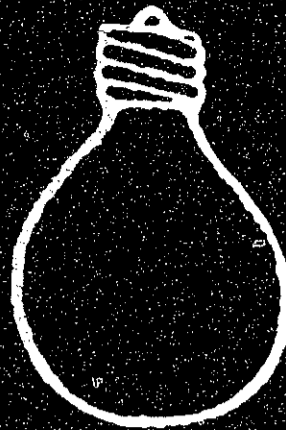


Monday - Friday, March 6 - 10
10 am - 3 pm
Lobby 10

JOSTENS
AMERICA'S COLLEGE RING

Do it *in the* DARK!

Be a Tech photographer!



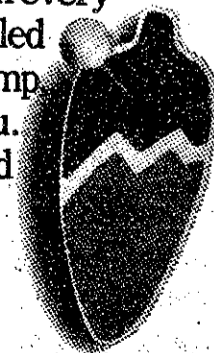
Just add friends.

Or your family. Because Chili's supplies everything else. And we mean everything - like plump Buffalo wings, cheese fries, super nachos, charbroiled Monterey chicken, juicy half-pound burgers, Southwestern-style shrimp, Chicken Frisco salad, mouth-watering desserts, and even a kids' menu. And you get all this at prices that are easy to swallow. So when you add your friends or family, go ahead - add plenty.

Now Open in Harvard Square!

chili's
GRILL & BAR

114 Mount Auburn Street, Harvard Square, Cambridge
Tel. 876-8990 Located near the Charles Hotel.



Colleagues praise Gray's work at MIT

(Continued from page 2)

long overdue attention to "MIT's principle business — the education of undergraduates."

There are "no individuals who I have encountered in my life that I respect more than Paul Gray," Deutch said.

Deutch said he had not thought out what issues will face the next president, or what attributes he should have. He said it was "premature" to ask if he was interested in the position.

Gray "took risks"

Dean for Undergraduate Education Margaret L. A. MacVicar '65 believed that Gray's Presidency has been a "continuation in the best sense" of the set of directions he started when he was in the Office of the Dean for Student Affairs. In the ODSA Gray, among other things, worked for establishing the main features of freshman pass/fail grading and argued for increased minority and women admissions, she said. As associate provost, Gray "took risks" to help found the Experimental Studies Group and the UROP program, MacVicar said. Also, Gray worked for many of the "best features" of the undergraduate program, including freshman advising and the construction of on-campus housing.

Gray's accomplishments are "not just his ten years as president, but a summing up of the direction" he steered MIT toward over his life at the school, MacVicar said. He "intimately knew" the educational side of MIT, as well as research role, and this was important in giving leadership to Institute, she added.

On the down side, MacVicar said Gray has not been successful in getting "any of us" to value time for reflection. "We all take too many credits and have too many meetings."

Given the groundwork for reform that has been laid in the last five years, Gray's successor will have to be "comfortable with change and have a very keen sense of the strengths and traditions one wants to preserve," MacVicar said.

Professor Arthur C. Smith called Gray "a close personal friend for a long time." He said Gray "has given a great deal to this Institution both before and during his presidency." Smith said Gray showed an "interest in students that has been important to this institution." Gray presided over "a period when the Institute has been healthy, and he has done very well."

Smith said he could not list the qualities the next president should have, since MIT is "going to get a person, not a thing." "It's a hard job finding someone" with the right qualities to be president, he noted.

Gray was budget expert

Associate Provost S. Jay Keyser said Gray "did a terrific job." "His understanding of the MIT budget was unparalleled."

"I was constantly impressed — he was always on top of things," Keyser said. "He really understands MIT."

Keyser also praised Gray's "leadership in recruiting under-represented minorities," which was important as "a role model for the rest of the country." He believed Gray's successor should be concerned with "how we deal with the consequences of technology" on society.

Professor Vera Kistiakowsky said it is "clear that [Gray] has done very well at improving the financial base of the Institute."

But she said some of MIT's methods "have raised concern about the impact MIT could have in Cambridge," especially with the development of University Park.

Kistiakowsky was also critical of the "active lobbying on part of administration for more Department of Defense research" funding. She argued that DOD funding does not have positive effect of education and research at MIT. Also, the *ad hoc* Committee on the Military Impact on Campus Research was "essentially killed" by the structure given to it. Also, under Gray there has been no follow up on the Smullin committee, which examined the role of MIT's Lincoln Laboratory. These issues were "shoved under the rug" during Gray's tenure, she said.

While some hail Gray as an "education president" and education reform has received a "great deal of publicity," she noted that some have expressed concern about the changes. Kistiakowsky called the alteration of the undergraduate curriculum educational change rather than educational reform. "Reform implies improvement," she said, and that has not clearly happened.

Kistiakowsky believed MIT should "look for somebody who clearly is good with dealing with the financial aspects of keeping" MIT running. The new president should have "a broad understanding of education" and aid "a provost and deans who support a really good program of educational change," she said. The president should also "look for a broad base of research" for the Institute.

WASHINGTON INTERNSHIPS

Politics • Business/Economics
Pre-Law • Journalism/Communications
International Relations • Health Fields • The Arts

Boston University offers college juniors and seniors a fourteen-week option to study in Washington, D.C., and gain valuable experience working with governmental and nongovernmental organizations. The program includes: sixteen semester-hour credits, full-time internships, coursework taught by leading government experts, centrally located apartments, and individualized placements for virtually every academic interest. Program offered during fall and spring sessions.

Complete the coupon below for detailed information.

Name _____
Address _____
City _____ State _____ Zip _____
College/University _____
____ Fall ____ Spring 19 ____
____ Send me information about the Boston University Washington Internship Program.

Return to:
Boston University
Washington Internship Program
725 Commonwealth Avenue B2
Boston, MA 02215
617/353-9888



1839 1989
BOSTON UNIVERSITY
SESQUICENTENNIAL

An equal opportunity, affirmative action institution

Attention Seniors —
Here's one more chance
to learn how to do
your **THESIS** on Athena!



Athena Minicourses

MARCH 1989

Date	At Noon	At 7 pm	At 8 pm
6 Mon	RS/1	Intro	Basic WP
7 Tue	RS/1	Adv. WP	Thesis
8 Wed	Math	Intro	Basic WP
9 Thu	Math	Adv. WP	Thesis
13 Mon	Intro	RS/1	Math
14 Tue	Intro	Math	RS/1
15 Wed	Basic WP	Adv. WP	Thesis
16 Thu	Basic WP	Reports	Thesis
20 Mon	Intro	Intro	Basic WP
21 Tue	Basic WP	Intro	Basic WP
22 Wed	Adv. WP	Adv. WP	Thesis
23 Thu	Thesis	Adv. WP	Thesis

Athena workstations (computers) are available for your use all over campus!

All minicourses are taught in the Training Center behind the Athena Cluster in Building 11. (Look for signs along the Infinite Corridor.)

'Intro' is the introductory "How To Get Around Athena" minicourse, 'WP' stands for "Word Processing".

Thesis Pre-requisites: Intro, Basic WP, and Adv. WP. Reports is recommended.

For more information, contact Gary L. Dryfoos at dryfoos@athena or x3-0184.

NOTE: No pre-registration or reservations are needed.



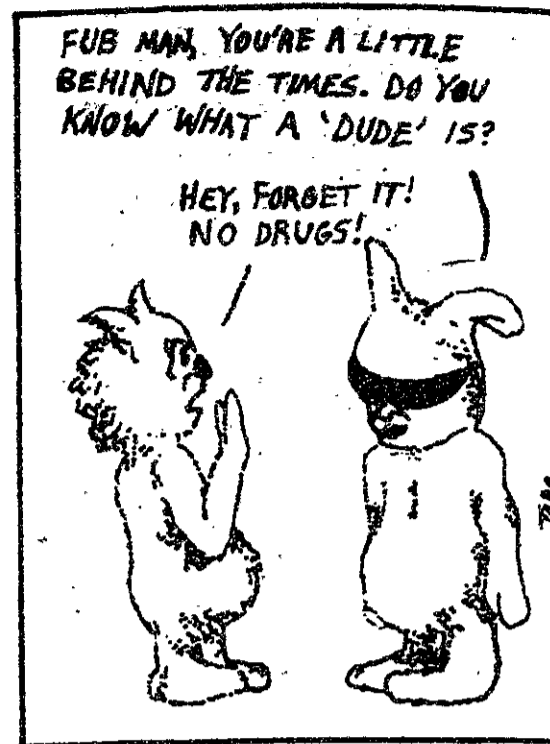
BERTUCCI'S BRICK OVEN PIZZERIA

Let us teach you how wonderful an authentic, wood burning brick oven pizza can taste.

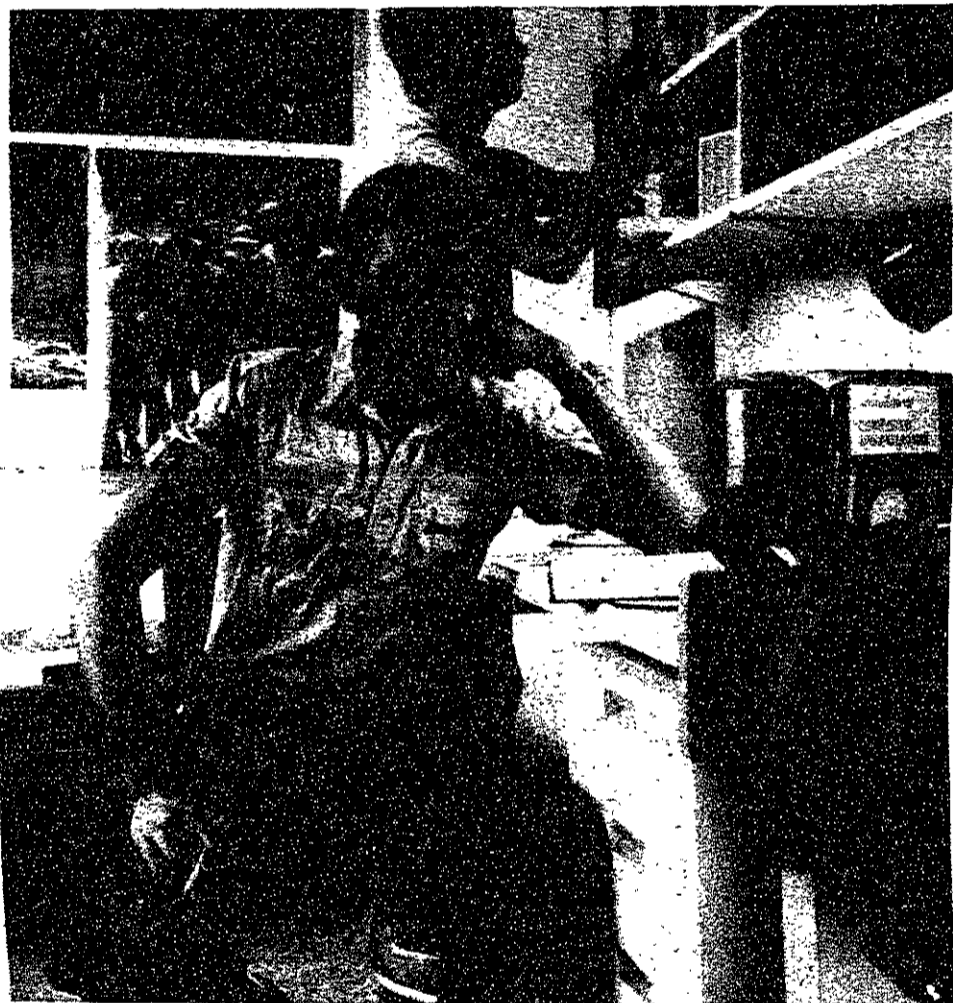
Write your name and phone number on the back of this ad and bring it to Bertucci's. We'll give you \$5.00 off any Large Specialty Pizza. (Limit one ad per pizza. * Expires 5/31/89)

Somerville 776-9241 Kendall Sq. 661-8356 Harvard Sq. 864-4748
Brookline 781-2300 Boston 847-6161

Fub



“HOW I MADE \$18,000 FOR COLLEGE BY WORKING WEEKENDS.”



When my friends and I graduated from high school, we all took part-time jobs to pay for college.

They ended up in car washes and hamburger joints, putting in long hours for little pay.

Not me. My job takes just one weekend a month and two weeks a year. Yet, I'm earning \$18,000 for college.

Because I joined my local Army National Guard.

They're the people who help our state during emergencies like hurricanes and floods. They're also an important part of our country's military defense.

So, since I'm helping them do such an important job, they're helping me make it through school.

As soon as I finished Advanced Training, the Guard gave me a cash bonus of \$2,000. I'm also getting another \$5,000 for tuition and books, thanks to the New GI Bill.

Not to mention my monthly Army Guard paychecks. They'll add up to more than \$11,000 over the six years I'm in the Guard.

And if I take out a college loan, the Guard will help me pay it back—up to \$1,500 a year, plus interest.

It all adds up to \$18,000—or more—for college for just a little of my time. And that's a heck of a better deal than any car wash will give you.

THE GUARD CAN HELP PUT YOU THROUGH COLLEGE, TOO. SEE YOUR LOCAL RECRUITER FOR DETAILS, CALL TOLL-FREE 800-638-7600,* OR MAIL THIS COUPON.

*In Hawaii: 737-5255; Puerto Rico: 721-4550; Guam: 477-9957; Virgin Islands (St. Croix): 773-6438; New Jersey: 800-452-5794. In Alaska, consult your local phone directory.
© 1985 United States Government as represented by the Secretary of Defense. All rights reserved.

MAIL TO: Army National Guard, P.O. Box 6000, Clifton, NJ 07015

NAME _____ M F

ADDRESS _____

CITY/STATE/ZIP _____

AREA CODE PHONE _____ US CITIZEN. YES NO

SOCIAL SECURITY NUMBER _____ BIRTH DATE _____

OCCUPATION _____

STUDENT HIGH SCHOOL COLLEGE
PRIOR MILITARY SERVICE YES NO

BRANCH _____ RANK _____ AFM/MOS _____

THE INFORMATION YOU VOLUNTARILY PROVIDE, INCLUDING YOUR SOCIAL SECURITY NUMBER, WILL BE USED FOR RECRUITING PURPOSES ONLY. YOUR SOCIAL SECURITY NUMBER WILL BE USED TO ANALYZE RESPONSE TO THIS AD. AUTHORITY: 49 USC 3603

ARMY
National Guard
A1CWJC0603NP

Army National Guard

Americans At Their Best.

ARTS

Nothing's shocking about Jane's Addiction live at Citi

JANE'S ADDICTION
Citi, Wednesday, March 1.

By DAVID STERN

THE BIGGEST PROBLEM FOR a band like Jane's Addiction in doing a live show is how to match their vinyl performance. Their last album, *Nothing's Shocking*, as well as their live album, *Jane's Addiction*, were so well-produced that any attempt to sound like the record would have been doomed to failure. In this regard, the show last Wednesday at the Citi was a mixed bag. Thrashing tunes like "Pigs in Zen" and "Trip Away" were even better live, sending the crowd into a slam-dancing fury. A stirring rendition of "Summertime Rolls", perhaps their best song, was one highlight of the show. The other was "Ted, Just Admit It," the song from which the album's title, "nothing's shocking," is drawn. Singer Perry Farrell took off his shirt before the song, displaying the earring in his left nipple to those close enough to see. The audience helped the band by shouting along to the repeated line, "Sex is violence."

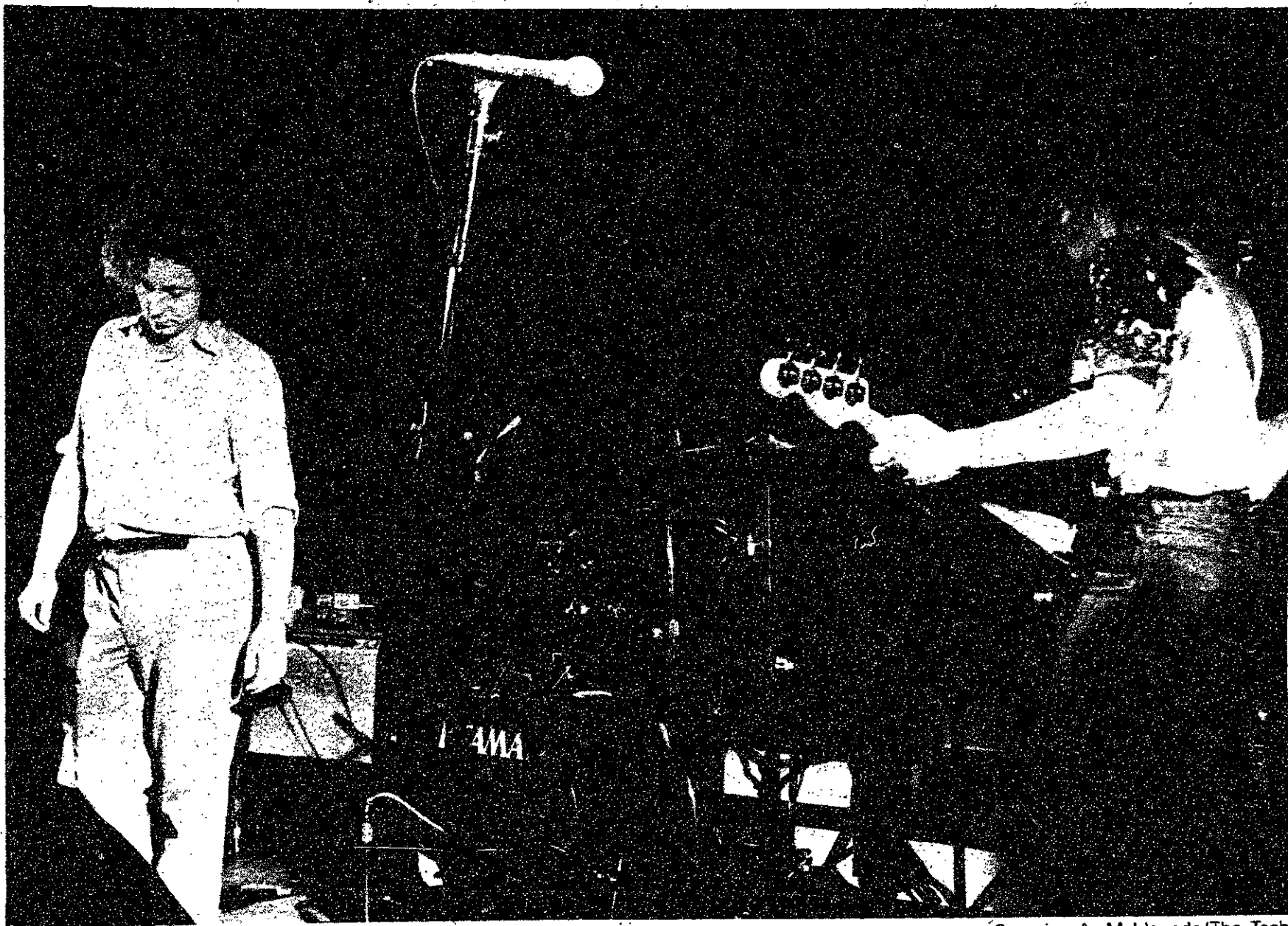
The show had its down sides, especially the closing with a clumsy rendition of "Jane Says." Other songs were also failed attempts at sounding like the record. The guitarist, who was excellent on *Nothing's Shocking*, was only mediocre live. And while the band had a lot of energy, it sorely lacked spontaneity. The guitarist wore dark sunglasses and hardly ever looked up from his guitar. Although the bassist and drummer are superb musicians and made their presence known musically, they appeared to be nothing more than backup musicians on stage. Farrell danced around in his own unique style, but it all seemed very calculated. The band barely acknowledged the crowd, except when Farrell gave the audience his bottle of wine.

The audience, a diverse mix of punkers, metalheads, and college preppies, didn't

seem to notice the band's lack of interest and was wild for the whole show. Fans threw themselves on top of the crowd, and there was constant slam-dancing near the stage. Unfortunately, the show ended after only an hour and a quarter, at which point the audience seemed just warmed up.

Jane's Addiction is a great band on record, and although their live performances don't always match up to their recorded ones, I look forward to the next time they play in Boston. As they become more popular, they will probably play bigger shows and become more boring and calculated

live. Their December show at T.T. the Bear's, a club a fraction of the size of the 1000-plus capacity Citi, was, according to common consensus, a better show. At least if their live performances get dull, there'll always be the record.



Georgina A. Maldonado/The Tech

The Zulus performed in Walker Memorial last Thursday night to help WMBR inaugurate their new live music show, *Pipeline*. The live broadcast marked the first time the MIT radio station has used their new 360-watt transmitter.

classified advertising

Classified Advertising in *The Tech*: \$5.00 per insertion for each 35 words or less. Must be prepaid, with complete name, address, and phone number. *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

Run Your Own Summer Business. Gain valuable experience while making good money. Average earnings: \$8000.00. Positions filling fast. Call Robert Martwick at 1-800-922-5579.

Sexually Transmitted Disease Confidential testing and treatment of STD's and AIDS. Also general medical care, sports medicine, birth control, etc. Private office. Robert Taylor, M.D., 1755 Beacon Street, Brookline, 232-1459.

Seeking individuals with chronically ill sibling for Master's research. Focus on your experiences through interview. 1 hour interview at your convenience. Susan Resek 569-3189 daytime telephone.

Summer Jobs to Save Environment Earn \$2500-\$3500. National campaign to pass clean air act, stop toxic pollution, tighten pesticide controls, and promote recycling, in 18 states and D.C. Interviews on campus 3/8. Call Joe at 617-292-4810.

The Alternative Beat, DJs available for upbeat college dances and parties with modern attitude. Progressive, New Wave, Industrial, Acid House and more 80's dance music. Call 629-9491 or 262-6377.

Beginning Course in Practical Meditation using breath, sound, and energy to give participants a variety of skills they can use in their work, relationships, and self-development. Eight sessions: \$40, \$25/students. Karla Lehtonen, instructor, 277-9359. First meeting Thurs, March 9, 12-1 pm, RM 1-114.

The Tech Subscription Rates: \$17 one year 3rd class mail (\$32 two years); \$44 one year 1st class mail (\$86 two years); \$49 one year foreign; \$8 one year MIT Mail (2 years \$15). *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139. Prepayment required.

The Best Training Is Responsibility.

You've been warming up on the sidelines long enough—and preparing for that vital first job in the business world. Now you're ready for the kind of challenge that will launch your career.

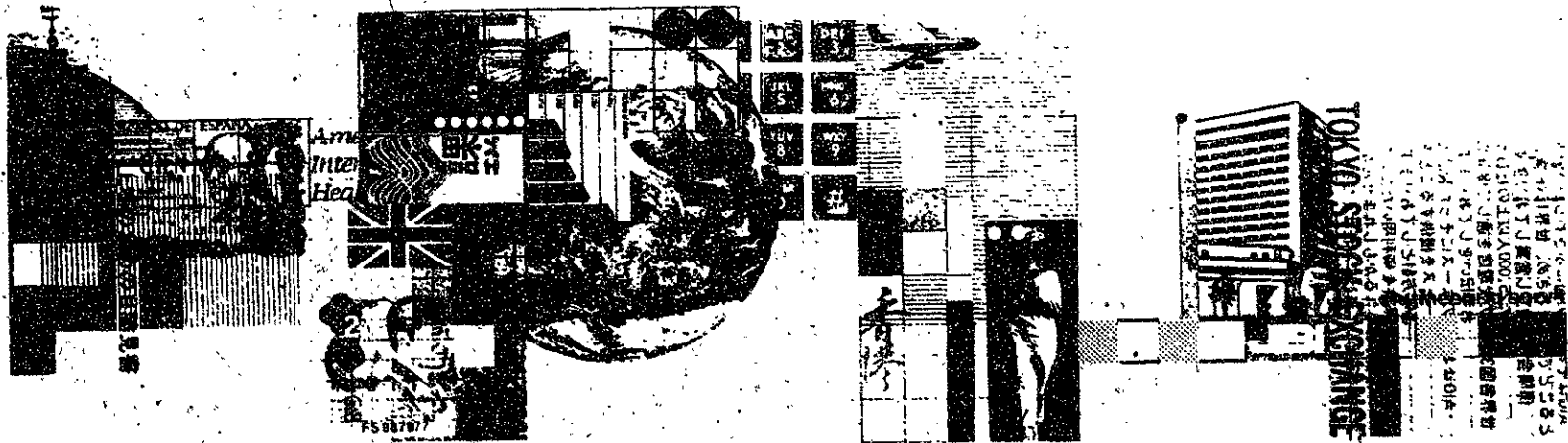
That's why you should investigate a future with AIG. Our wide-ranging training programs are designed to quickly involve you in challenging assignments. From day one, you'll be dealing with some of the most intriguing product portfolios in the industry. What's more, you can start in one area and branch out into other disciplines. Flexibility is a hallmark of AIG careers.

Yes, AIG is a major provider of commercial and industrial insurance—in the United States and around the world. But our incredible diversification goes far beyond insurance—to the broader business and financial spheres.

Will you fit in at AIG? Yes, if you want more than a job, if you're stimulated by risk-taking and you like to develop creative solutions and put them into action. You'll need one more thing, too: commitment to advance and take on decision-making responsibilities.

Right now we have opportunities for ambitious graduates with a degree in **ACTUARIAL STUDIES OR MATHEMATICS.**

If you'd like to learn more about AIG, we invite you to interview with us on campus
THURSDAY, MARCH 16, 1989



American International Group, Inc.
72 Wall Street, New York, NY 10270

AIG is an equal opportunity employer.

Splendid singers make Aida a glorious operatic triumph

AIDA

By Giuseppe Verdi.

The Opera Company of Boston.

Directed and conducted by Sarah Caldwell.

The Opera House, March 2, 5, and 12.

By MARK ROBERTS

VERDI'S OPERAS ARE RICH concoctions of swollen emotions and wonderful tunes, and they demand to be served up on a lavish scale. This is especially true for *Aida*, with its exotic Egyptian setting, and the Opera Company of Boston's production meets the requirements splendidly. Cast, orchestra, and director combine to create a performance that is both musically rewarding and a magnificent spectacle.

Even before the opera has begun, the glittering tone is set by the decoration which extends across the proscenium, framing the stage in a patterned border that is like an *art nouveau* version of an Egyptian frieze. It serves as an interface between the nineteenth century glitter of the auditorium and the ancient pageantry on stage, and it is crowned by a starry canopy suspended from the ceiling.

The production was distinguished by the performances of Shirley Verrett and Markella Hatziano as Aida and her mistress, Amneris, the daughter of the King of Egypt, and by the remarkable playing of the orchestra both as an ensemble and on the part of individual instruments. From the start, they produced a stirring, rounded sound when playing together over which the singers' voices could sail as if on a sea of sound.

Verrett, as the slave woman fated to die for love, was the most accomplished of all

the singers, continually varying the texture and color of her singing so as to convey the full range of emotions she feels. She acted with her voice as well as with her face and gestures, matching her phrasing to the words and mood. Her lament to the misery of two opposed hopes, as the prince she loves goes off to lead the Egyptian army in battle against the Ethiopian army led by her father, was poignant. Still more beautiful is her hymn to her native land "O Patria Mia" with which Act Three begins. Here the exquisite clarity of her voice was answered by the call, as if from the distant spirit of Ethiopia, of a simple descending arpeggio on a solo oboe. Verdi uses the purity of tone of the oboe on several occasions to interweave Aida's arias, and each time the combination was heart stirring.

While Aida has our sympathy from the start, Amneris only gradually grows from jealous rival to the tragic figure pleading softly for forgiveness from the gods. Similarly, Hatziano's performance grew in power throughout the opera. Her voice had tragic depths from which the single line, "I wish I could die," emerged with a terrible precision. Its power was all the greater for the steeliness that had preceded it. When Amneris first announces her intention to make Aida suffer for her rivalry, Hatziano played the scene crisply, putting on along with the regalia she dons a resolve to be pitiless to her slave. The duet they sang was beautiful, the princess' icy cruelty ringing above a seething, dangerous swirl of strings, while Aida's heart-rending pleas for *pieta* shone from the mournful howling of a bassoon.

As played by Franco Bonanome, the object of these two women's affections, Radames, the Egyptian warrior, seemed



Photo courtesy Rene Perez

Amonasro (David Arnold), the King of Ethiopia, comforts his daughter Aida (Shirley Verrett).

disappointingly undeserving of such devotion. In contrast to the variety of Verrett's performance, his was uniform in style. Perhaps he was straining too hard for power at the expense of subtlety, for top notes seemed sometimes to be wrenched away from him rather than driven out from a source deep inside. Verrett's singing always gave the impression of welling from some reserve in which still more was waiting. As a result, Radames never achieved the vitality of a character whose fate engaged us as did that of the women. His finest moments were those when he is caught in an act of betraying his country's army, when his scorched cries of despair seemed realistic.

Aida's father, Amonasro, who appears incognito (he is the King of the Ethiopians) amongst the prisoners whom Radames brings home in triumph from the war, was played by David Arnold, who both looked and sang well. His voice had a crisper, drier quality that bespoke his cunning. When the time came to work on his daughter's emotions to persuade her to trick her lover into revealing strategic information, he suddenly swelled to fearsome power in threatening her with the curse of her dead mother.

Another well-cast part was Barseg Tumanyan as Ramfis, the Egyptian High Priest. His voice flowed smoothly, its deep *legato* a turbid river of mystery and threat. His demeanor and implacable stare were perfect for the leader of the dark Egyptian cult of Phtha. The music sung by the chorus of priests that accompanies the temple scenes is low and chantlike, evocative of monks and the orthodox churches of the east, and in accompanying it the orchestra seemed itself to take on a new sound, creating effects beyond those of the

familiar combinations of instruments. A harp was present, but one listened with amazement to its sound, which was new and beautiful. The flute, too, seemed particularly magical.

As well as the impressive individual performances, one of the delights of this production was its crowd scene at the end of the second act. Throughout the opera, both set and costumes were splendid (by Herbert Senn and Helen Pond and by Ray Diffen respectively), but here we were treated to a feast of color and movement. Flouting theatrical tradition, Sarah Caldwell, the director, started the scene in which the triumphant Radames returns to Memphis with the spoils of war with a flurry of excited little children rushing on stage to partake of the fun. Their scurrying gave life to the crowd that gathered to watch the parade. They were offered a succession of choreographed displays of trophies captured from the Ethiopians preceded by a slightly comical marching maneuver by the stalwart Boston Crusaders as the Egyptian army. Children also appeared to charming effect in the scene in Amneris' dressing room, in which, led by a dancer, a troupe skipped on to present six different pairs of shoes for the regal choice.

It was fitting that the director of such a fine company performance as this should be called to the stage at the end by her marvelous leading lady. It was then a delightful surprise for the leading lady to break into song once more — in an impromptu performance of "Happy Birthday" to Ms. Caldwell. She had given us a wonderful present in this *Aida*, and the audience was glad to join the song in gratitude.



Photo courtesy Rene Perez

Markella Hatziano (Amneris), left, with Shirley Verrett (Aida) in the Opera Company of Boston's production of Giuseppe Verdi's *Aida*.

Harvard-Radcliffe Orchestra gives mixed performance

HARVARD-RADCLIFFE ORCHESTRA

Directed by James Yannatos.

Works by Bernstein and Prokofiev.

Hugh Hinton, piano.

Sanders Theater, Friday, March 3.

Event in The Tech Performing Arts Series.

By DAVID M. J. SASLAV

THE LAST FEW TIMES I'VE HEARD the Harvard-Radcliffe Orchestra perform, I've left Sanders Theater with nearly identical impressions. James Yannatos' troupe has an exquisite high strings section, perhaps the equal of the renowned Boston Symphony's. The percussion section provides spirited support; Yannatos likes to include fiery, rhythmic music which gives them a chance to shine. Furthermore, Yannatos tends to showcase young, spirited soloists

— the Harvard community seems to have no shortage of them — who invariably respond outstandingly to the most difficult assignments. The woodwinds and brass are uneven, sometimes shining brightly, sometimes failing dismally. And the lower strings (including the violas, celli, and double basses) consistently come off as distinctly below average.

Friday night's concert consisted of Bernstein's "Overture to *Candide*", which preceded Prokofiev's *Piano Concerto No. 3*, *Op. 26* and *Symphony No. 5 in B flat, Op. 100*. Talented Harvard junior Hugh Hinton made the most of an almost completely inaccessible work. Prokofiev cannot fully be to blame for the lack of impact of this performance, despite the extremely poor piano orchestration (most of the first movement resides in the lower half of the keyboard, unsuccessfully competing against loud orchestra passages).

Perhaps a closely miked piano would make for an enjoyable recording — from the balcony of Sanders virtually nothing could be discerned.

Hinton's performance, however, was truly remarkable. His easy, relaxed motions brought forth what melody there was in the second movement while carefully avoiding overstatement. The upper register of the grand piano blended nicely with the HRO's shimmering strings. When volume was necessary, however, Hinton's technique failed to deliver. Some minor ensemble problems marred the final movement, although Hinton's talent served to minimize them. All in all, his was a virtuoso performance deserving of the highest praise.

The performance of Prokofiev's *Fifth Symphony*, which closed the concert, was altogether better. The entire group responded industriously to Yannatos' *andan-*

te tempo in the first movement. The elaborate second movement (*Allegro marcato*) was also beautiful; the brass and woodwind sections gave a sterling rendition of the memorable choral motif. All the intonation, phrasings, and humor of this movement were carefully and successfully brought off. Kudos in particular go to the clarinet section, which overcame technical difficulties at intermission and played without a hitch in the second half, and to the nimble percussionists, who amongst them had to play some nine or ten different instruments.

The evening opened with the *Candide* overture, which Yannatos took slowly. An out-of-tune drum marred the performance, which was otherwise quite pleasant. A strong brass showing and impeccable inter-sectional dialogue brought the pace to its frenzied, jubilant finish.

Classical quartets are vibrant, insightful and innovative

LINDSAY STRING QUARTET
All-Beethoven Program.
Presented by the MIT Guest Artist Series.
Kresge Auditorium, Sunday, March 5.

AMSTERDAM LOEKI STARDUST QUARTET
Recorder Quartet in a program ranging from 1325 to the present.
Presented by Charles River Concerts.
Event in The Tech Performing Arts Series.
First Baptist Church, Sunday, March 5.

By JONATHAN RICHMOND

STARTING A TOUR that will take them across North America, with concerts in Chicago, Toronto, Buffalo, Stanford and New York's Alice Tully Hall among other venues, Britain's Lindsay Quartet put on a breathtaking display in Kresge Auditorium last Sunday afternoon. The Lindsays are renowned for their performances of Beethoven (their recordings of the late quartets have received particular kudos), so it was especially fortunate that they brought three Beethoven quartets to Boston. Their performances of each of them shone on many levels: they were intense, vibrant, spiritual but also sunny and uplifting views of the works.

Most extraordinary was the Lindsay account of Op. 135, an interpretation of mounting spiritual intensity. The quartet got under way in an atmosphere of spaciousness, in which the music's complexities were explored with not only superb technical control, but a special warmth of ensemble.

As Op. 135 proceeded, one felt oneself falling as through a funnel into an increasingly concentrated musical realm. The third movement variations (*Lento assai, cantate e tranquillo*) saw the quartet members closed up together, locked in an ecstatically-beautiful inwardly-turned lyricism. Their unified melancholic chant-like playing was extremely serious, taking the listener through a religious experience of the sublime. The movement was as a continuous legato of the inner spirit; played with great smoothness, the extraordinary intensity the Lindsay Quartet developed is unparalleled.

The final movement opened darkly, as if to tell the audience they were in another



Kyle G. Peltonen/The Tech

The Lindsay String Quartet prepares to play during their all-Beethoven concert.

world, and saw the first violins set against the viola and cello to great dramatic effect. But there was a singing quality to the playing, too, life-affirming and optimistic as much as physical-world-sublimating and mysterious.

The concert had begun with Beethoven's *Quartet No. 4 in C minor*, Op. 18. The tensions started developing from the first note, the rapport between players showing

in the open, natural sound. First Violinist Peter Cropper showed an ability to play with great nuance as well as detail; in the concluding movement, his tone had a great sweetness as well as tenderness. While there were especially intimate and insightful passages during the *Menuetto; Allegretto*, nothing was trivialized in a performance that led us through the work as a great story-teller through a gripping

piece of fiction.

The program ended with the *Quartet No. 8 in E minor*, Op. 59, No. 2. Once more, one was drawn to admiring the group's special sense of ensemble — the way in which players would express themselves individually while tied, as if by some invisible elastic umbilical to the musical sensibility of the Quartet as a whole. When in the second movement, for example, second violinist Ronald Birks took off on a lullaby-like theme, first violin, viola and cello were close at hand to provide soothing support. The striking depths to which cellist Bernard Gregor-Smith took his lucky audience were underlined by their relationship to the other sounds emanating from this most powerful gang of four.

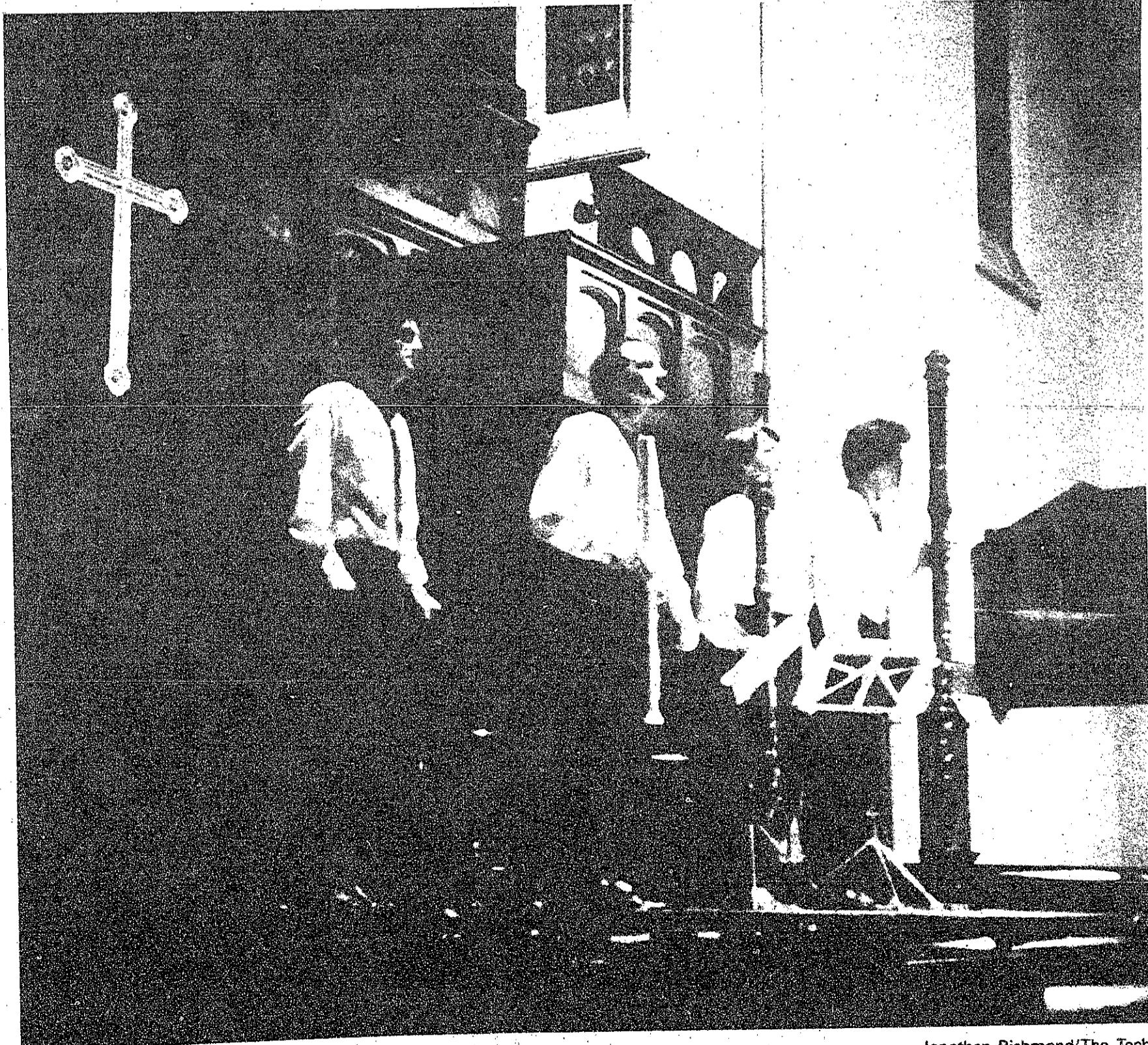
The quartet ended on a note of tenderness, but also urgency, leaving what will be long-lasting memories of one of the most emotionally-powerful and musically-insightful recitals MIT has had for a long time.

SUNDAY EVENING, a quite different chamber experience was on offer: the Amsterdam Loeki Stardust Quartet play a range of recorders from a tiny sopranino to a monster towering above the player's head. They play the most complex of music with the easiest of virtuosity, simulating at will the sound of an organ or an orchestra, and providing an experience of pure musical bliss.

The program was varied — ranging from the anonymous English *Estampita* of 1325 to a contemporary work, *When shall the sun shine* by quartet member Paul Leenhouts. This latter piece, which includes references from well-known American pop and jazz songs, was performed with a quite evident impish pleasure, as were a number of other mildly outrageous works on offer.

The more profound pieces were done with a combination of recorder sizes, providing a full-bodied and variegated sound. The *Fantasia 8 in A minor* was tellingly played; Jacob Obrecht's *J'ai pris amours* exhibited dignity as well as depth; the *Lamentationes* of Palestrina were brought across with much pathos, sounding like a solemn but inventive organ fugue.

Frans Geysen's *Periferisch, Diagonaal, Concertrisch* of 1972 is an essay in contrasts, and it was marvelous how evocatively they were brought out. As for the syncopated rhythms, percussion sounds and sheer jazzy froth of the Leenhouts work, it is still hard to fathom how four recorder players manage to do it.



Jonathan Richmond/The Tech

The Amsterdam Loeki Stardust Quartet at Sanders Theater.

Ensemble's Shakespeare and Austen scenes delightful

MOSTLY SHAKESPEARE

MIT Shakespeare Ensemble.

Scenes by Shakespeare and Jane Austen.

March 2, 3, and 4 in 34-101.

By DEBBY LEVINSON

AN EVENING OF RANDOMLY chosen theatrical scenes often proves to be just that — random in both selection and quality. Even if the scenes are from several works by the same author, it still takes an extremely talented troupe of actors to make their program seem like more of a whole rather than bits and pieces haphazardly strung together. Fortunately for the MIT community, the MIT Shakespeare Ensemble are such a troupe, as their "Mostly Shakespeare" evening of scenes revealed.

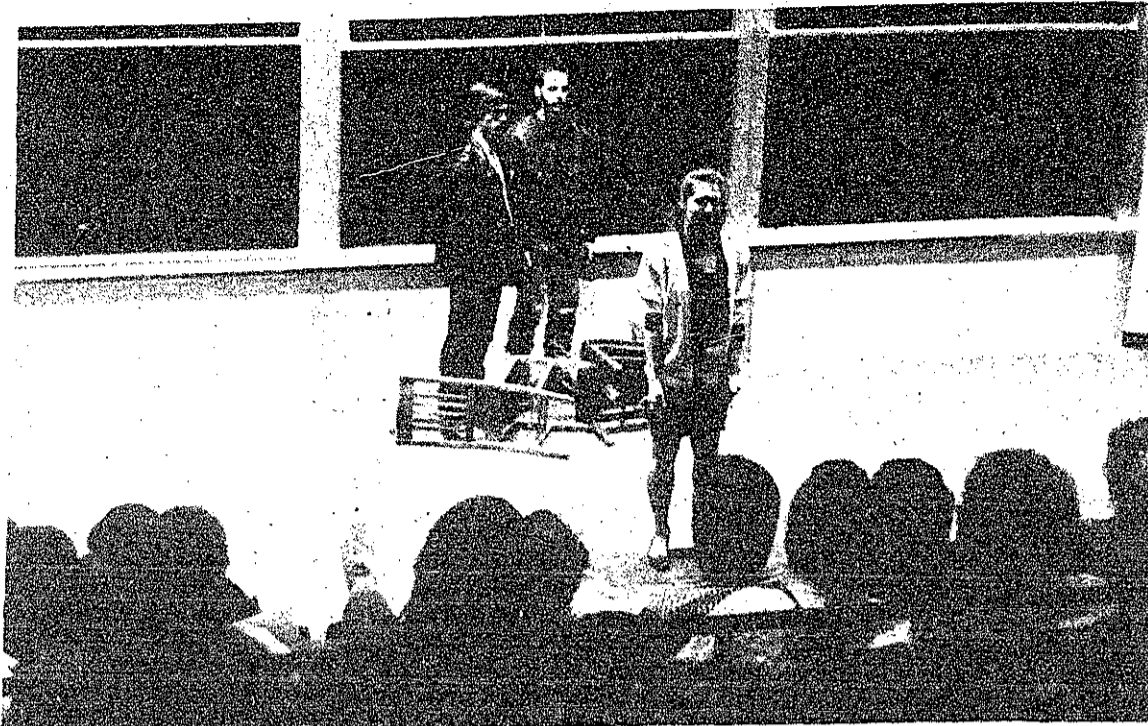
As the title suggests, the program did not consist entirely of Shakespearean scenes; a selection from Jane Austen's

novel *Pride and Prejudice* was also performed. Adapted by Wendy Cothran '89, the scene was innovatively presented, with Cothran playing the dual roles of the narrator and Elizabeth Bennet. Since Austen naturally had not provided stage directions, Cothran's role as narrator was essential; she read pertinent passages from the book and deftly switched from role to role, describing Elizabeth's actions and then performing them. Both she and Charles Roburn '91 were the very images of Elizabeth and her suitor Fitzwilliam Darcy, their costumes rich and elegant and their Victorian speech impeccable.

Two scenes from Shakespeare's historical plays flanked *Pride and Prejudice*, *Henry IV, Part 1* (I, ii) and *King John* (IV, i). Both were remarkably well-performed, with Lindasusan Ulrich '91 as Falstaff, Joseph Vanderway '89 as Hubert, and Harry Teplitz '91 as Arthur the outstanding players. Ulrich's Falstaff was superlative, raucous and roguish, the performance made all the more notable by the fact that she was a woman playing a man's part.

The program weakened after the histories, as Cothran and David Poeppel '89 directed a dull and incoherent *As You Like It* (I, iii). There was no apparent reason to begin the scene with Celia and Rosalind (Mary Ann Loria W '89 and Ulrich) clowning to Marvin Gaye's "Sexual Healing" as it was obvious from the first few lines of dialogue that the two were best friends. The casting of Julio Friedmann '88 as the Duke seemed another drawback since he never really connected with any other character on stage. Even Ulrich, so charming as Falstaff, could not completely relate to Friedman as she had with Loria or her previous companions in *Henry IV*.

As for the famous balcony scene in *Romeo and Juliet* (II, ii), the Shakespeare Ensemble should have made better use of room 34-101. Admittedly, a lecture hall is not a proper stage by any stretch of the imagination, but there was a balcony pre-



Lisette W.M. Lambregts/The Tech

Cressida (Andrea Leszek '91) ponders what to do about her three suitors.

sent in the room, nullifying the need to use classroom tables and chairs as a makeshift balcony. On the night I attended, there was no one sitting near this balcony to impede the progress of the scene, but even if the room had been full, placing Juliet in the audience could only have served to interest the audience more in the proceedings. The actors made do with the shoddy equipment they were given, but Greg Swieringa '91 (Romeo) still looked decidedly ridiculous spouting love poetry to a girl standing on a table.

The two scenes from *Macbeth* (I, vii and II, ii) with Eric Sven Ristad G and Cothran as Macbeth and Lady Macbeth were far superior to the sadly hindered *Romeo and Juliet*. Ristad's Macbeth tended to fade away whenever Lady Macbeth spoke, but this seemed logical and not at all a flaw when one considered the manipulative, overpowering nature of the other character.

The other tragic scene performed was

Hamlet (V, i), in which David Poeppel '89 was superb as the title character. The fundamental debate in the play is whether or not Hamlet is faking his madness, and Poeppel left the answer appropriately ambiguous. The scene requires a deft touch with black comedy, especially when dealing with the two joking gravediggers, and director Andrew Borthwick-Leslie '87 provided one.

Troilus and Cressida (V, ii) finished the evening's program with its depiction of the inconstant affections of Cressida (Andrea Leszek '91). Narrator/Greek chorus Thersites (Vic Tulli '91) offered wry, engaging surtitles on the blackboard concerning Cressida's three suitors (JERK, SAP, and SELF-AGGRANDIZING FOOL) and his own character (GOD HIMSELF). The scene was a strong ending to a largely successful program, one which could only have been improved by allowing the Shakespeare Ensemble the well-deserved luxury of a real stage.



Lisette W.M. Lambregts/The Tech

Fitzwilliam Darcy (Charles Roburn '91) and Elizabeth Bennet (Wendy Cothran '89) argue in a scene from Jane Austen's *Pride and Prejudice*.

FOCUS ON WOMEN



Varvara Stepanova and Liubov Popova. Photo by Alexander Rodchenko, 1924.

IN ART & ARCHITECTURE

Varvara Stepanova:

The Complete Work

Alexander Lavrentiev

The first extensive study on the life and work of one of the leaders of the post-revolutionary Russian avant garde. \$39.95 cloth, 370 illus., 45 color

From Tipi to Skyscraper

A History of Women in Architecture

Doris Cole \$6.95 paper

The Grand Domestic Revolution

A History of Feminist Designs for American Homes, Neighborhoods, and Cities

Dolores Hayden

\$11.95 paper, illus.

Blasted Allegories

Writings by Contemporary Artists

Including work by Kathy Acker, Laurie Anderson, Connie Hatch, Jenny Holzer, Barbara Kruger, Trinh T. Minh-ha, Yvonne Rainer, Martha Rosler, Carrie Mae Weems. Brian Wallis, editor.

\$19.95 cloth, illus.

* denotes special sale-priced cloth cover book through 6.30.89.

See our special display of MIT Press books by/about women now through March 15.

All books and journals published by The MIT Press are available at:

MIT PRESS BOOKSTORE

Kendall Sq. • 292 Main St. • Cambridge 02142 • 253-5249

MC/VISA, phone/mail orders welcome (add \$2 priority mail/per book)

MENTION THIS AD FOR 20% OFF DURING MARCH.

IN SOCIAL STUDIES

AIDS: Cultural Analysis,

Cultural Activism

Including contributions by Martha Gever, Jan Zita Grover, Amber Hollibaugh, Carol Leigh, PWA Coalition, Suki Ports, Katy Taylor, Paula A. Treichler. Douglas Crimp, editor. \$10.95 paper, illus.

Daughters of the State

A Social Portrait of the First Reform

School for Girls in North America,

1856-1905

Barbara M. Brenzel \$8.95 paper

Comrade and Lover

Rosa Luxemburg's Letters to Leo

Jogiches edited and translated by

Elzbieta Ettinger \$5.95 paper,

\$9.50 cloth*

IN SCIENCE

Women in Science

Antiquity through the Nineteenth

Century—A Biographical Dictionary

Marilyn Bailey Ogilvie \$19.95 cloth*

Ada: A Life and Legacy

The intriguing career of Ada Lovelace,

"inventor" of the computer.

Dorothy Stein \$9.95 paper

Women in Mathematics

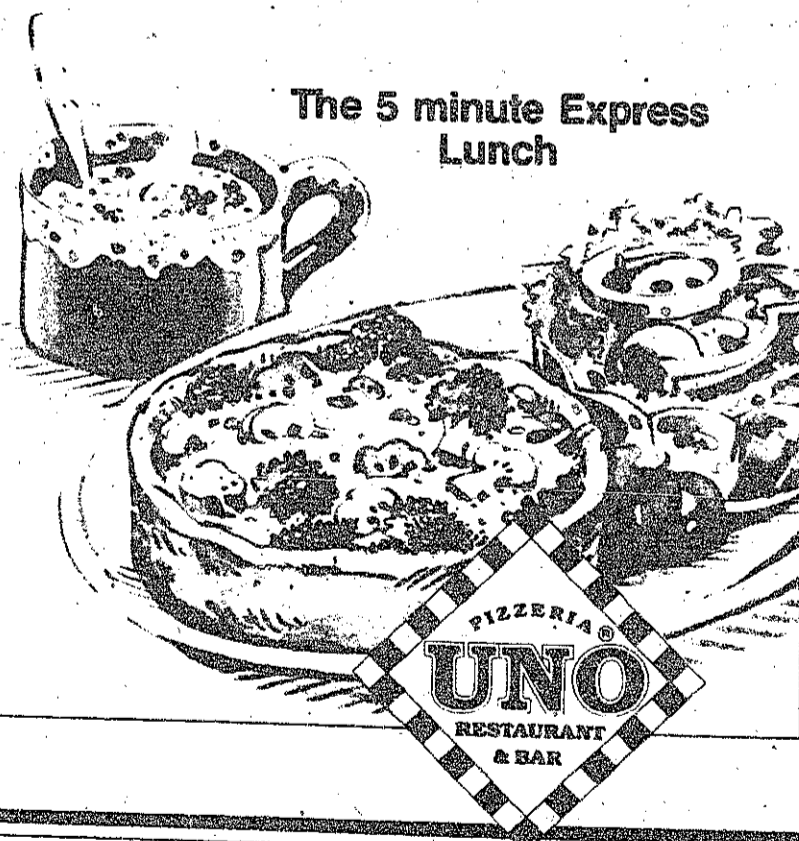
Lynn M. Osen

\$6.95 paper

Uno® momento.

In only five *momentos* our Express Lunch of deep dish pizza, soup or salad will show you the difference between mere fast food and a fast feast at the world's most celebrated pizza restaurant. Uno's®. The place for Chicago's original deep dish pizza.

The 5 minute Express Lunch



BUY ONE, GET ONE FREE

Purchase any size pizza and receive the second of equal or lesser value

FREE

Eat-in only

Not good in combination with any other offer

UNO®

RESTAURANT & BAR

MIT Harvard Square, Faneuil Hall

Allston, Copley Square, Kenmore Square, 4/9

DOUBLE® DEAL

Purchase any two regular size pizzas for

Only \$9.95

Take-out only

Not good in combination with any other offer

Call ahead for take-out

UNO®

RESTAURANT & BAR

MIT Harvard Square, Faneuil Hall

Allston, Copley Square, Kenmore Square, 4/9

LUNCH DEAL

Receive an Express Lunch with this coupon

Only \$2.95

Individual size pizza and soup or salad

5 min. service

Mon - Fri 11:30 - 3

One coupon per person

Not good in combination with any other offer

UNO®

RESTAURANT & BAR

MIT Harvard Square, Faneuil Hall

Allston, Copley Square, Kenmore Square, 4/9

ARTS

On The Town

Compiled by Peter Dunn

Tuesday, Mar. 7

POPULAR MUSIC, ETC.

Fresh Fish, Rip Off, The De Milos, and Date with Jan perform at T.T. the Bear's, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Menfolk, Here We Are, and Nothing Sacred perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 247-8309.

Harvey Reid perform at Johnny D's, 17 Holland Street, Somerville, just by the Davis Square T-stop on the red line. Telephone: 776-9667.

Roger McGuinn, founder of the Byrds, performs at 8 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Tickets: \$12. Telephone: 497-8200.

CLASSICAL MUSIC

*** CRITIC'S CHOICE *** Boston Concert Opera performs Gilbert and Sullivan's *Iolanthe* at 8 pm in John Hancock Hall, Hancock Place, Boston. Continues through March 12. Tickets: \$12, \$25, and \$35. Telephone: 536-1166.

FILM & VIDEO

The Harvard Film Archive continues its Tuesday film series *Narrative Approaches* with Jim Jarmusch's *Stranger Than Paradise* (1984) at 5:30 & 8:00. Located at the Carpenter Center for Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Tickets: \$3 general, \$2 seniors and children. Telephone: 495-4700.

The Brattle Theatre presents a Josephine Baker double feature, with *Princess Tam-Tam* (Edmond Greville, 1935) at 4:30 & 7:50 and *ZouZou* (Marc Allégret) at 6:00 & 9:30. Continues through Thursday, March 9. Located at 40 Brattle Street, Harvard Square, Cambridge. Tickets: \$5 general, \$3 seniors and children. Telephone: 876-6837.

Wednesday, Mar. 8

POPULAR MUSIC, ETC.

The Visigoths, Damaged Goods, Sally's Dream, and The Regulars perform at 8 pm at the Paradise, 967 Commonwealth Avenue, Boston. Tel: 254-2052.

The Bags, Moving Targets, and Buffalo Tom perform in an 18+ ages show at Axis, 13 Lansdowne Street, near Kenmore Square, Boston. Tel: 262-2437.

J. Keegan & Owen Carroll, Lost Pilots, Sob Story, and Errol Geer Band perform at T.T. the Bear's, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Westmorelands, Awake and Dreaming, and September Rain perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 247-8309.

Laurie Sargent and Boo Radley perform at Johnny D's, 17 Holland Street, Somerville, just by the Davis Square T-stop on the red line. Telephone: 776-9667.

Al Stewart performs at 8 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Tickets: \$8.50. Telephone: 497-8200.

JAZZ MUSIC

The Art Farmer Quintet, featuring Clifford Jordan, performs beginning at 9 pm at the Regatta Bar, Charles Hotel, One Bennett Street, Harvard Square, Cambridge. Also presented March 9, 10, and 11. Tickets: \$7.75 to \$11.75. Telephone: 864-1200.

FILM & VIDEO

*** CRITIC'S CHOICE *** The Harvard Film Archive continues its Wednesday series *Shakespeare on the Screen* with Roman Polanski's *Macbeth* (1971) at 5:30 & 8:15. Located at the Carpenter Center for Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Tickets: \$3 general, \$2 seniors and children. Telephone: 495-4700.

Thursday, Mar. 9

POPULAR MUSIC, ETC.

SCC's Strat's Rat presents Round 3 of *Battle of the Bands* preliminaries at 9:30 in Lobdell Dining Hall. No admission charge. Telephone: 253-3916.

Latoya Jackson performs at the Channel, 25 Necco Street, near South Station in downtown Boston. Tickets: \$12.50 advance/\$15 day of show. Tel: 451-905.

*** CRITIC'S CHOICE *** The Neighborhoods, with Malletthead, perform at Axis, 13 Lansdowne Street, near Kenmore Square, Boston. Telephone: 262-2437.

El Caminos!, Savage Garden, Hell Toupee, and Salem 66 perform at 8 pm at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

Doghouse, Funhouse, and Hunting Sieve perform at T.T. the Bear's, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

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

Bin Skala Bin and Green Fuse perform at Johnny D's, 17 Holland Street, Somerville, just by the Davis Square T-stop on the red line. Telephone: 776-9667.

*** CRITIC'S CHOICE *** Leon Redbone performs at 8 pm & 10 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Tickets: \$13.50. Telephone: 497-8200.

JAZZ MUSIC

The Evolutionary Jazz Ensemble performs works by Gershwin, Monk, Dolphy, Ellington, and others at 12:05 in the MIT Chapel. No admission charge. Telephone: 253-2906 or 253-9800.

Jazz pianist Paul Barringer, bassist John Lockwood, and drummer Alan Dawson perform in a *Faculty Recital* at 8 pm in Jewett Auditorium, Wellesley College. No admission charge. Tel: 235-0320 ext. 2028.

CLASSICAL MUSIC

The Boston Symphony Orchestra, Seiji Ozawa conducting, performs Mahler's *Symphony No. 7* at 8 pm in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Also presented March 10 at 2 pm and March 11 at 8 pm. Tickets: \$16 to \$42.50. Telephone: 266-1492.

*** CRITIC'S CHOICE *** Composers in Red Sneakers, with Peter Schikete, performs the world premiere of *Serenade for Twelve Instruments*, and other works at 8 pm in Old Cambridge Baptist Church, 1151 Massachusetts Avenue, Cambridge. Admission: \$8 general, free to anyone in red sneakers. Telephone: 527-3171.

Trumpeter Robert Pettipaw, assisted by Lynda Jacquin, English horn, Ellen Polansky, piano, and the Cantabria Brass Quintet, performs works by Aaron Copland, Theo Charlier, and Henry Purcell at 8 pm in Seully Hall, Boston Conservatory, 8 The Fenway, Boston. No admission charge. Telephone: 536-6340.

DANCE

*** CRITIC'S CHOICE *** Boston Ballet celebrates its silver anniversary with *Gala: In Celebration*, performances of the Black Swan pas de deux from *Swan Lake*, the rose adagio from *Sleeping Beauty*, *Sea Alliance*, and other classical ballet "greatest hits," at 8 pm at the Wang Center, 270 Tremont Street, Boston. Continues through March 12 with performances at 8 pm, matinees Saturday & Sunday at 2 pm. Tickets: \$18.50 to \$34.50. Tel: 542-1323.

FILM & VIDEO

The Harvard Film Archive continues its *Tenth Anniversary Celebration* with Fritz Lang's *Metropolis* (1924/1984) at 5:30, and a lecture by Martin Marks, musicologist and professor of music at MIT, at 8:00. Located at the Carpenter Center for Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Tickets: \$3 general, \$2 seniors and children for lecture. Telephone: 495-4700.

The Harvard-Epworth Church presents Jacques Rivette's *La Religieuse* (*The Nun*, 1965, France) at 8 pm. Located at 1555 Massachusetts Avenue, Cambridge, just north of Harvard Square. Admission: \$3 contribution. Tel: 354-0837.

The Museum of Fine Arts begins its series *The Films of Alexander Kluge* with *Yesterday's Girl* (1965/66) at 5:30 and *The Blind Director* (1985) at 7:30. Screenings in Remis Auditorium, MFA, 465 Huntington Avenue, Boston. Tickets: \$4 general, \$3.50 MFA members, seniors, and students. Tel: 267-9300.

Friday, Mar. 10

JAZZ MUSIC

The MIT Concert and Festival Jazz Bands perform at 8 pm in Kresge Auditorium. Tickets: \$1 at the door. Telephone: 253-2906 or 253-9800.

Tania Maria performs at 8 pm & 11 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Also presented Saturday, March 11. Tickets: \$13.50. Telephone: 497-8200.

POPULAR MUSIC, ETC.

*** CRITIC'S CHOICE *** Lou Reed performs at 7:30 at the Orpheum Theater, Hamilton Place, Boston. Also presented Saturday, March 11. Telephone: 482-0650.

*** CRITIC'S CHOICE *** O Positive and Dogzilla perform at 7 pm in an all ages show and at 10 pm in a 21+ ages show at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

Max Creek, with guests Plate O' Shrimp, performs at the Channel, 25 Necco Street, near South Station in downtown Boston. Tickets: \$7.50 advance/\$8.50 day of show. Telephone: 451-1905.

The Dogmatics, Last Stand, Rockin' Bobcats, Flying Scots, and Bad Apples perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 247-8309.

Colin James, Robert Holmes, Ultra Blue, and The Lemmings perform at T.T. the Bear's, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Right Time performs at Johnny D's, 17 Holland Street, Somerville, just by the Davis Square T-stop on the red line. Telephone: 776-9667.

CLASSICAL MUSIC

Bassoonist Erika Anderson '91 performs works by Mozart, Dutilleux, and Weber as part of the *Advanced Music Performance Student Recital* series at 12:05 in Killian Hall, MIT Building 14. No admission charge. Telephone: 253-2906 or 253-9800.

*** CRITIC'S CHOICE *** Guitarist Christopher Parkening performs works by Bach, Praegerius, Albeniz, Villa-Lobos, De Falla, and others at 8 pm in Jordan Hall, New England Conservatory, 30 Gainsborough Street at Huntington Avenue, Boston. Tickets: \$18. Tel: 536-2412.

The Handel & Haydn Society, with guest pianist Jeffrey Kahane, performs works by Mendelssohn, Sibelius, Copland, and Beethoven at 8 pm in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Also presented March 12. Tickets: \$12 to \$32. Telephone: 266-3605.

Pianist Alan Chow performs works by Haydn, Chopin, Ravel, Liszt, and James Greason as part of the *Longy Concert Artists Guild Series* at 8 pm in the Edward Pickman Concert Hall, Longy School of Music, Follen and Garden Streets, Cambridge. Tickets: \$10 general, \$7 seniors and students. Tel: 876-0956.

THEATER

All's Well That Ends Well, Shakespeare's comic romance, begins previews today as a presentation of the Huntington Theatre Company at the Boston University Theatre, 264 Huntington Avenue, Boston. Performances begin March 15 and continue through April 2. Thursday-Saturday at 8 pm, and matinees Wednesday, Saturday, & Sunday at 2 pm. Tickets: \$13 to \$28. Telephone: 266-3913.

PERFORMANCE ART

Prairie Dog Scence, by The.art.re.grup of San Francisco, is presented at 8 pm at Mobius, 354 Congress Street, Boston. Also presented March 11, 17, and 18. Tickets: \$6 and \$8. Telephone: 542-7416.

DANCE

*** CRITIC'S CHOICE *** Margie Gillis is presented by Dance Umbrella at 8 pm in the Cambridge Multicultural Arts Center, 41 Second Street, Cambridge. Also presented March 11 at 8 pm and March 12 at 2 pm. Tickets: \$12 general, \$10 DU members, seniors, and students. Telephone: 492-7578.

Koumpol, featuring the *West African Dance Company of Senegal*, is presented by the Dance Box at 8 pm at the Cambridge Joy of Movement Center, 536 Massachusetts Avenue, Cambridge. Also presented March 11 at 8 pm and March 12 at 4 pm. Tickets: \$10 general, \$8 seniors and students, \$2 more at the door. Telephone: 492-4680.

The Boston Conservatory Dance Theater and Orchestra presents *Spring Festival Dance* at 8 pm at the Boston Conservatory Theater, 31 Hemenway Street, Boston. Also presented March 11 at 8 pm and March 12 at 3 pm. Tickets: \$7 general, \$4 seniors and students. Telephone: 536-6340.

FILM & VIDEO

*** CRITIC'S CHOICE *** The MIT Lecture Series Committee presents George Cukor's *Holiday* (1938), starring Cary Grant and Katharine Hepburn, at 7:30 in 10-250 and Louis Malle's *Au Revoir les Enfants* at 7:00 & 9:30 in 26-100. Admission: \$1.50. Telephone: 258-8881.

The Brattle Theatre presents *The Complete Thin Man Series*, starring William Powell and Myrna Loy, with *The Thin Man Goes Home* (1944) at 2:05, *Song of the Thin Man* (1944) at 4:00, *Another Thin Man* (1939) at 5:50, *The Thin Man* (1934) at 8:00, and *After the Thin Man* (1936) at 9:55. Also presented March 11 and 12. Located at 40 Brattle Street, Harvard Square, Cambridge. Tickets: \$4.75 general (good for a double feature), \$12 for unlimited access to *The Thin Man* marathon, \$3 seniors and children. Telephone: 876-6837.

The Harvard Film Archive continues its series *Romanian Cinema* with *The Return from Hell* (Nicolae Marginescu, 1983) at 7:00 and *Culeandra* (Sergiu Nicolaescu, 1985) at 9:00. The HFA also continues its series *Animated Features* with *Heaven and Earth Magic Feature* (Harry Smith, 1957-62) at 7:30 in Room B-04. Located at the Carpenter Center for Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Tickets: \$3 general, \$2 seniors and children, \$5/\$4 for the *Romanian Cinema* double feature. Telephone: 495-4700.

The French Library Cine Club continues its series *The Thriller with Du Rififi chez les hommes* (*Rififi Spells Trouble*, Jules Dassin, 1956, France). Also presented March 11 and 12. Located at 53 Marlborough Street, Boston, near the Arlington T-stop on the green line. Tickets: \$3.50 general, \$2.50 Library members. Telephone: 266-4351.

*** CRITIC'S CHOICE *** The Museum of Fine Arts continues its series *The Films of Carl Theodor Dreyer* with *Leaves from Satan's Book* (1920) at 5:30 and *La Passion de Jeanne d'Arc* (*The Passion of Joan of Arc*, 1928) at 8:00. Screenings in Remis Auditorium, MFA, 465 Huntington Avenue, Boston. Tickets: \$4 general, \$3.50 MFA members, seniors, and students. Tel: 267-9300.

EXHIBITS

Japanese Calligraphy and Brush Painting opens today at the Kaji Aso Studio, 40 St. Stephen Street, Boston. Continues through March 30 with gallery hours Tuesday-Saturday 12-5. No admission charge. Telephone: 247-1719.

Saturday, Mar. 11

POPULAR MUSIC, ETC.

*** CRITIC'S CHOICE *** SCC's Strat's Rat presents the *Battle of the Bands Finals* at 9:30 in The Sala de Puerto Rico. No admission charge. Telephone: 253-3916.

Dumtruck, Trip Shakespeare, and Fine Line perform at T.T. the Bear's, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Johany Winter, Buddy Guy & Jr. Wells, and Nighthawks perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Tickets: \$15 advance/\$16.50 day of show. Telephone: 451-1905.

Color Blind James and Experience perform at Johnny D's, 17 Holland Street, Somerville, just by the Davis Square T-stop on the red line. Tel: 776-9667.

CLASSICAL MUSIC

The MIT Symphony Orchestra performs works by David Epstein, Ravel, Edward Cohen, and Beethoven at 8:30 in Kresge Auditorium. Tickets: \$1 at the door. Telephone: 253-2906 or 253-9800.

The Cambridge Symphony Brass Ensemble performs as part of the *Saturday Morning Paine Performance Series* at 10:30 am in Family Hall, Harvard University, Cambridge. Tickets: \$6. Telephone: 621-0505.

PERFORMANCE

Computer Arts Showcase: *New Works in Video, Dance and Music* is presented at 8 pm at the First Church Congregational, 11 Garden Street, Cambridge. Admission: \$8 general, \$6 seniors and students, \$4 NEWCOMP members. Telephone: 661-8975.

Lilly and May, the hard-hitting comic story of two street women in Sydney, Australia, featuring Patricia Cornelius and Susie Dee, begins the *Women in Theatre Festival '89* at 8 pm in Tower Auditorium, Mass. College of Art, 621 Huntington Avenue, Boston. Presented concurrently with *Visions of the Spirit* [see FILM & VIDEO]. Tickets: \$12.50. Telephone: 424-1411.

FILM & VIDEO

The MIT Lecture Series Committee presents Francis Ford Coppola's *Tucker: The Man and His Dream* at 7 pm & 10 pm in 26-100. Admission: \$1.50. Telephone: 258-8881.

The Harvard Film Archive continues its series *Romanian Cinema* with *Gathering Clouds* (Alexandru Tatos, 1985) at 7 pm and *The Old Maid* (Servan Marinescu, 1986) at 9 pm. Located at the Carpenter Center for Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Tickets: \$3 general, \$2 seniors and children, \$5/\$4 for the double feature. Tel: 495-4700.

Visions of the Spirit (Alice Walker, 1988) begins the *Women in Theatre Festival '89* at 8 pm in Tower Auditorium, Mass. College of Art, 621 Huntington Avenue, Boston. Presented concurrently with *Lilly and May* [see PERFORMANCE]. Tickets: \$12.50. Telephone: 424-1411.



from Boston Round Trips starting at

LONDON	318	CARACAS	370
CHICAGO	138	TOKYO	679
Boston-FLORIDA	149	SYDNEY	1128

Amtrak Restrictions apply, taxes not included. Check our low teacher fares. EURAIL PASSES ISSUED ON THE SPOT! Call for FREE Student Travel Catalog!

617-225-2555
MIT Student Center

AIR HIGH

PUT YOUR COLLEGE DEGREE TO WORK.

Air Force Officer Training School is an excellent start to a challenging career as an Air Force Officer. We offer great starting pay, medical care, 30 days of vacation with pay each year and management opportunities. Contact an Air Force recruiter. Find out what Officer Training School can mean for you. Call

USAF OFFICER RECRUITING
603-430-1833 COLLECT



YOU'D HAVE TO GO A LONG WAY TO FIND A BETTER VALUE THAN THE S&S.



It's true. A deli in LA did get a teeny bit higher rating than us in a recent national survey. Still, the S&S being named one of the nation's 100 Top Value Restaurants by the renowned Zagat Restaurant Survey is quite an honor. Besides, the S&S isn't just a great deli. We have meal-sized appetizers like spicy Buffalo Wings. Unforgettable entrees including sauteed swordfish with sun-dried tomatoes and Chicken-Monterey. Generous drinks. And no tofu or waiters calling you dude. So why not fly over to the best and enjoy one of the country's S&S restaurant values. You'll save hundreds on airfare alone.



Restaurant

A Great Find Since 1919.

Breakfast, Lunch, Dinner. Mon.-Sat. 7:00am-12:00am. Sun. 8:00am-12:00am. Inman Square, 1334 Cambridge St., Cambridge, 354-0777.

ARTS

Sunday, Mar. 12

POPULAR MUSIC, ETC.

Patty Loveless performs at 8 pm & 10 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Tickets: \$12. Telephone: 497-8200.

CLASSICAL MUSIC

Israeli pianist Varda Nishry performs works by Bach, Messiaen, and Paul Ben-Haim at 3 pm in Killian Hall, MIT Building 14. No admission charge. Telephone: 253-2906 or 253-9800.

The Dober Memorial Concert, romantic choral works with the Amherst College Glee Club, is presented at 4 pm in Houghton Memorial Chapel, Wellesley College. No admission charge. Telephone: 235-0320 ext. 2028.

CRITIC'S CHOICE

Pianist Murray Perahia performs works by Beethoven, Rachmaninoff, Schumann, and Liszt as part of the Wang Celebrity Series at 3 pm in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Tickets: \$18 and \$20 [see also reduced-price tickets offered through The Tech Performing Arts Series]. Telephone: 266-1492.

CRITIC'S CHOICE

Aida, Verdi's story of the ill-fated love of an Egyptian soldier and an Ethiopian slave, is presented by the Opera Company of Boston at 3 pm in the Opera House, 539 Washington Street, Boston. Tickets: \$25 to \$75. Telephone: 423-5300.

The Boston Museum Trio performs works by Scarlatti, Bartok, Corelli, and Bach at 3 pm in Remis Auditorium, Museum of Fine Arts, 465 Huntington Avenue, Boston. Tickets: \$12 general, \$10 MFA members, seniors, and students. Telephone: 267-9300 ext. 306.

The 50th Birthday Celebration Honoring William Thomas McKinley features conductors David Hoose and Robert Black, Collage New Music, violist Walter Trampler, clarinetist Jean Kopperud, flutist Marianne Gedigian, and others at 8 pm in Jordan Hall, New England Conservatory, 30 Gainsborough Street at Huntington Avenue, Boston. Tickets: \$8 and \$10 general, \$5 seniors and students. Telephone: 437-0231.

Violinist Arturo Delmondi and pianist Arthur Greene perform works by Bach and Franck at 4 pm in Old South Church, Copley Square, corner of Newbury and Dartmouth Streets, Boston. No admission charge. Telephone: 536-1970.

The Brookline Symphony Orchestra performs works by Brahms and Dvorak at 2:30 at the Boston University Concert Hall, 855 Commonwealth Avenue, Boston. Tickets: \$8 general, \$4 seniors and students. Telephone: 731-3644.

DANCE

The Israel Folkdance Festival is presented at 3 pm in Kresge Auditorium. Tickets: \$5, \$7, & \$8 general, \$1 discount for seniors. Telephone: 253-2982.

FILM & VIDEO

The MIT Lecture Series Committee presents The Tall Blond Man With One Black Shoe at 8 pm in 10-250. Admission: \$1.50. Telephone: 258-8881.

The Harvard Film Archive continues its series Romanian Cinema with Culeandra (Sergiu Nicolaescu, 1985) at 7 pm and Gathering Clouds (Alexandru Tatos, 1985) at 9 pm. Located at the Carpenter Center for Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Tickets: \$3 general, \$2 seniors and children, \$5/\$4 for the double feature. Tel: 495-4700.

The Harvard-Epworth Church presents F. W. Murnau's City Girl (1930) at 8 pm. Located at 1555 Massachusetts Avenue, Cambridge, just north of Harvard Square. Admission: \$3 contribution. Telephone: 354-0837.

COMEDY

ImprovBoston performs at 8 pm at Play it Again Sam's, 1314 Commonwealth Avenue, Brighton, on the Boston College green line. Performances continue every Sunday night. Tickets: \$5 general, \$3 students. Telephone: 576-2306.

Monday, Mar. 13

FILM & VIDEO

The Brattle Theatre begins its Sunday/Monday film series Investigations in the Dark with Hammett (Wim Wenders, 1983) at 4:15 & 8:00 and Marlowe (Paul Bogart, 1969) at 6:05 & 9:50. Located at 40 Brattle Street, Harvard Square, Cambridge. Tickets: \$4.75 general, \$3 seniors and children (good for the double feature). Telephone: 876-6837.

The Harvard Film Archive continues its Monday series Three Directors with Carl Theodor Dreyer's Vampyr (1931) at 5:30 & 8:00. Located at the Carpenter Center for Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Tickets: \$3 general, \$2 seniors and children. Telephone: 495-4700.

Tuesday, Mar. 14

POPULAR MUSIC, ETC.

Louise Mack performs at 8 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Tickets: \$9. Telephone: 497-8200.

FILM & VIDEO

The Brattle Theatre begins its Tuesday series Women on Film with Enormous Changes at the Last Minute (Mirra Bank & Ellen Hoyde) at 8 pm & 10 pm. Located at 40 Brattle Street, Harvard Square, Cambridge. Tickets: \$4.75 general, \$3 seniors and children. Telephone: 876-6837.

CRITIC'S CHOICE

The Harvard Film Archive continues its Tuesday series Narrative Approaches with Meshes of the Afternoon (Maya Deren, 1943), L'Etoile de mer (Man Ray, 1928), Entr'acte (René Clair, 1924), Un Chien andalou (Luis Bunuel, 1924), and Ballet mécanique (Fernand Léger, 1924) at 5:30 & 8:00. Located at the Carpenter Center for Visual Arts, 24 Quincy Street, Harvard Square, Cambridge. Tickets: \$3 general, \$2 seniors and children. Telephone: 495-4700.

Ongoing Theater

An Evening with Dr. Holmes, the one-man show with Spencer Trova as 19th century Boston Brahmin Dr. Oliver Wendell Holmes, continues through March 11 at The Performance Place, 277 Broadway, Somerville. Performances are Thursday-Saturday at 8 pm. Tickets: \$5 and \$7. Telephone: 623-5510.

An Evening with Mark Twain, with Stan Gill, continues indefinitely at the Boston Baked Theatre, 255 Elm Street, Davis Square, Somerville. Performances are Thursday-Friday at 8:15, Saturday at 7:00 & 9:15, and Sunday at 3:00. Tickets: \$11 to \$14 general, \$2.50 discount to seniors and students. Tel: 628-9575.

Forbidden Broadway 1989, the latest updated version of Gerard Alessandrini's musical comedy revue, continues indefinitely 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.

The Hot L Baltimore, Lanford Wilson's 1972 comedy-drama about eccentric residents of a once majestic hotel trying to save their home, continues through April 19 at the Alley Theatre, 1253 Cambridge Street, Cambridge. Performances are Thursday-Sunday at 8 pm. Tickets: \$12 general, \$10 seniors and students. Telephone: 491-8166.

Me and My Girl, a revival of the 1937 musical about a Cockney who inherits an earldom, continues through March 18 at the Colonial Theater, 106 Boylston Street, Boston. Performances are Monday-Saturday at 8 pm, with matinees Thursday & Saturday at 2 pm, Sunday at 3 pm. Tickets: \$20 to \$42.50. Telephone: 426-9366.

Measure for Measure, by William Shakespeare, continues through March 11 at Counterpoint Theater, 761 Harrington Avenue, Boston. Performances are Wednesday-Saturday at 8 pm. Tickets: \$12. Telephone: 330-7670.

Murder at Rutherford House, the amusing audience-participation murder mystery, continues indefinitely at the Wilbur Theatre, 246 Tremont Street, Boston. Performances are Thursday-Saturday at 8 pm, matinees Saturday-Sunday at 2 pm. Tickets: \$33.50 to \$37.50 (includes dinner). Telephone: 423-4088.

Not About Heroes, Stephen MacDonal's character drama about the friendship between the World War I poets Siegfried Sassoon and Wilfred Owen, continues through March 12 at the Lyric Stage Theatre, 54 Charles Street, Boston. Performances are Wednesday-Friday at 8:00, Saturday at 5:00 & 8:30, and Sunday at 3:00. Tickets: \$12.50 to \$15.50. Telephone: 742-8703.

Nonsense, depicting the talent show staged by the Little Sisters of Hoboken in order to raise money to bury four of their number currently in the convent freezer, continues indefinitely at the Charles Playhouse, 74 Warrenton Street, Boston. Performances are Tuesday-Friday at 8 pm, Saturday at 6 pm & 9 pm, matinees Thursday at 2 pm and Sunday at 3 pm. Tickets: \$15.50 to \$26.50. Telephone: 426-6912.

Private Lives, Noel Coward's romantic comedy about the rekindling of an old flame, continues through March 19 at the New Repertory Theatre, 54 Lincoln Street, Newton Highlands. Performances are Thursday-Friday at 8:00, Saturday at 8:00 & 8:30, and Sunday at 3:00. Tickets: \$10 to \$14. Telephone: 332-1646.

Safe Sex, Harvey Fierstein's campy follow-up to Torch Song Trilogy, about seeking new ways to love in the age of AIDS, continues through May 14 at the New Ehrlich Theatre, 539 Tremont Street, Boston. Performances are Thursday and Friday at 8:00, Saturday at 5:00 & 8:30, and Sunday at 2:00. Tickets: \$12 to \$14. Telephone: 482-6316.

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

Vanish Like a Summer Tantrum, Lydia Sargent's "feminist adventure for nine women," continues through March 25 at the Newbury Street Theatre, 565 Boylston Street, Boston. Performances are Thursday-Saturday at 8 pm. Tickets: \$11 to \$18 general, \$7 to \$14 seniors and students. Telephone: 262-7779.

Yankee See, Yankee Do, an off-beat, irreverent look at how New Englanders act and think, continues indefinitely at the Boston Baked Theatre, 255 Elm Street, Davis Square, Somerville. Performances are Thursday-Friday at 8 pm and Saturday at 8 pm & 10:15. Tickets: \$11 to \$14. Telephone: 628-9575.

Ongoing Exhibits

ON CAMPUS

Richard Filipowski: Drawings, Paintings, Sculptures continues through March 20 in the MIT Compton Gallery, between lobbies 10 and 13. No admission charge. Telephone: 253-4444.

House of Weaponlessness, wood sculpture, papercuttings, and found objects by the German artist Felix Droese; In Residence, a room-sized documentary on issues of war and peace by mixed-media artist Margia Kramer; and An Autobiography in Form, by Beverly Pepper, part of an on-going series exploring 20th century sculpture, all continue through April 23 at the List Visual Arts Center, MIT Wiesner Building E15, 20 Ames Street. Gallery hours are weekdays 12-6 and weekends 1-5. No admission charge. Telephone: 253-4680.

Korean Crafts and Paintings, including-oriental ink paintings by Chung Shin Lee, continues through March 25 at the MIT Museum, 265 Massachusetts Avenue, Cambridge. Gallery hours are Tuesday-Friday 9-5, Saturday-Sunday 12-4. Admission: \$2 general, free to MIT community. Telephone: 253-4444.

Getting to the Surface: Mathematics of Soap Film and Soap Bubbles, computer-generated images representing the new discovery of a complete minimal surface, continues through March 26 at the MIT Museum, 265 Massachusetts Avenue, Cambridge. Gallery hours are Tuesday-Friday 9-5, Saturday-Sunday 12-4. Admission: \$2 general, free to MIT community. Telephone: 253-4444.

Photographs by Bob Newman continues through March 18 in the Wiesner Gallery, MIT Student Center. No admission charge.

OFF CAMPUS

Goya and the Spirit of Enlightenment, an exhibit of more than 130 paintings, drawings, and prints exploring the effect of the Spanish Enlightenment on Francisco Goya, continues through March 26 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

Domestic Music Making, an exhibit of 19th-century musical instruments, continues through March 31 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

Italian Etchers of the Renaissance and Baroque, 135 prints, 7 drawings, and 9 books illustrated with prints surveying the role of etching in Italy from 1520 to 1700, continues through April 2 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

The Boston Museum of Science presents Speed (Greg MacGillivray) and New England Time Capsule at the Mugar Omni Theater, Museum of Science, Museum Park, Boston, near the green line T-stop of the same name. Continues through March 20 with screenings Tuesday-Thursday at 11 am, 1, 2, 3, 7, & 8 pm, Friday also at 9 & 10 pm, and Saturday-Sunday every hour from 10 am to 8 pm. Admission: \$5 general, \$3 seniors and children. Tel: 742-6088 or 723-2500.

Hawaii's Landscape of Transformation, photographs by David Ulrich, continues through March 26 at the Gallery East, Art Institute of Boston, 700 Beacon Street, Boston. Gallery hours are Monday-Friday 9-5. Tel: 262-1223.

Nicholas Nixon: Pictures of People, works by the contemporary American photographer, continues through April 16 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

Currents, recent works by Juan Downey, Dexter Lazenby, Peter Nadin, Rona Pondick, Aimee Rankin, Ray Smith, and Alan Turner, continues through April 23 at the Institute of Contemporary Art, 955 Boylston Street, Boston. Gallery hours are Tuesday-Sunday 11-5, Thursday-Friday 11-8. Admission: \$4 general, \$2.50 students, \$1.50 seniors and children, free to ICA members and MIT students. Telephone: 266-5151.

Realms of Gold, gold and gilded objects ranging from Bronze Age fertility goddesses to a 1988 American pin set with opals, continues through May 7 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.


terra firma? earth watch: earth sense: earth sites, a two-part exhibition addressing ecological and environmental issues, continues through May 30 at the Boston University Art Gallery, 855 Commonwealth Avenue, Boston. Gallery hours are Monday-Friday 10-4 and Saturday-Sunday 1-5. Telephone: 353-3345.

Upcoming Events

Lyle Lovett at the Berklee Performance Center on March 15. Dead Milkmen at the Paradise on March 16. Bananarama at the Orpheum on March 21. The Replacements at the Opera House on March 22. Michelle Shocked at the Berklee Performance Center on March 31. Barrance Whitfield and the Savages presented by SCC's Strat's Rat on April 6. R.E.M. at the Boston Garden on April 16. Graham Parker at Citi on April 19.

On The Town Compiled by Peter Dunn

You are always ahead on Singapore time...



Find Out More At Singapore CAREER FAIR MARCH '89

The Singapore Embassy in Washington, DC, in conjunction with the Professionals Information and Placement Service (PIPS) and the National Computer Board (NCB) are bringing to you:

CAREER FAIR - MARCH '89

You will meet with representatives from PIPS and NCB and find out how you can capitalize on the career opportunities in Singapore well ahead of the competition.

The Career Fair will be held at the Singapore Embassy in Washington, DC, from 10:00 am to 4:00 pm on March 7, 8, and 9, 1989.

The NCB will be providing information on IT user companies and organizations at the fair. These organizations are rebracketing and the dynamic future of Singapore. Technology in Singapore and they have immediate job vacancies.

In fact, some of the companies will be sending representatives to the fair to do recruitment.

Together, they will offer some 120 challenging positions in their organizations for students trained specially in IT disciplines such as computer science, electrical engineering, computer and electronic engineering and other technical-related subjects.

Interviews will be conducted on campus during the fair.

Don't miss the Career Fair at the following:

- 05-06 March: UC Berkeley
- 07-08 March: USC LA
- 10-11 March: UMinn
- 12-13 March: Wash DC
- 13-14 March: Purdue Univ
- 15-16 March: UIowa
- 16-18 March: University of Texas at Austin
- 20-21 March: MIT

The Economic Development Board (EDB) of Singapore is holding a separate career fair in each of the following:

- 17-18 March: Singapore
- 19-20 March: Singapore
- 21-22 March: Singapore
- 23-24 March: Singapore
- 25-26 March: Singapore
- 27-28 March: Singapore
- 29-30 March: Singapore
- 31 March: Singapore

For more information, contact the Singapore Embassy in Washington, DC, at (202) 462-1234 or the National Computer Board (NCB) at (609) 426-1234.

Teach-in marks strike anniversary

(Continued from page 2)

to how the new charter should read.

James A. Fay, professor of Mechanical Engineering, spoke about the need for environmental research and activism. He criticized the United States for not following the example of Europe and Canada in tackling the problem of acid rain.

Parts of the US are "a nuclear pigsty," he claimed. Forty years of bomb making has left scores of sites contaminated. . . Government officials have lied consistently about the extent of the contamination."

However, he noted "signs of hope." We now know much more about the environment, global warming, ozone depletion. . . We depend on such scientists to warn us of impending catastrophes. . . We have the public on our side."

US a "one-party" state

Wald cautioned the audience against blindly accepting the viewpoints of the American press. "Anti-communism is our primary foreign policy. If you can believe that Catholic priests, and even an occasional bishop, can be communist, then you can believe anything!"

He criticized both candidates in the past election, and said, "Americans should not want to be led, they should want to be represented. . . We have been a one-party state for decades, masquerading as a two-party state. . . Government has become a servant, and the master is a close association of [multinational] companies and banks."

He praised Soviet leader Mikhail Gorbachev's commitment to nuclear disarmament, and his policies of reducing conventional weapons buildup in the Soviet Union. "It [prevents] government [from] pursuing an anachronism, an obsolete cause," he said.

Fewer MIT professors sign anti-SDI pledge

Vera Kistiakowsky, professor of physics, spoke about her involvement in the anti-SDI pledge signings by university professors across the country. The first pledge asked professors "not to request or accept SDI funding." The second asked researchers who were not in control of their own funding "not to participate in SDI projects."

At least 57 percent of the faculty at the top 20 physics research universities signed the pledge, according to Kistiakowsky. The pledge began at Cornell and the University of Illinois, and eventually gathered 3000 faculty for the first pledge, and 2800 for the second.

At MIT, 40 percent of the physics department signed the pledges. They were joined by 32 percent of the mathematics department, 22 percent of the chemistry department, 13 percent

of the electrical engineering and computer science department, 14 percent of the mechanical engineering department, and 12 percent of the nuclear engineering department. These percentages were all lower than the national average.

Competition for funding at MIT "makes it very difficult for faculty to take social responsibility into account," Kistiakowsky explained. MIT actively lobbies for additional funding from the Department of Defense, she added.

Those who refused to sign often had the attitude that "money is colorless — it doesn't matter where it comes from," according to Kistiakowsky. Some also felt that SDI would never work technically, so there was no harm in accepting the funding, she said.

"We are teaching our students ethics, not by the courses we teach, but by the examples we keep," she stressed.



Andy Silber/The Tech
Professor James R. Melcher speaks at the research strike commemoration last Friday.

JUNIORS EXPLORE TEACHING

May 23 - June 30, 1989

Study of Educational Psychology coupled with half-day school-based exploration of teaching. This summer experience is the first part of the Integrated BA-MAT (or BS-MAT) program that leads to certification for middle or secondary school teaching. For further information:

Prof. Dorice J. G. Wright
Department of Education
Tufts University
Medford, MA 02155
(617) 381-3244

hp HEWLETT
PACKARD
Authorized Dealer

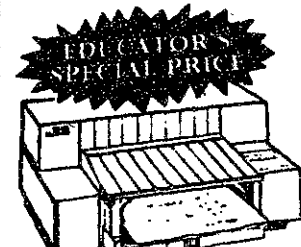
hp HEWLETT
PACKARD
Authorized Dealer

ATTENTION! Full Time Staff and Faculty

DeskJet

- Laser quality at 2 pages/minute
- 300 x 300 DPI full page graphics
- Built-in sheet feeder
- Multiple fonts...and more

\$575⁰⁰



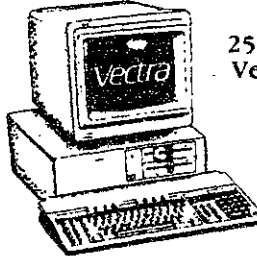
LaserJet II D
2 sided printing



LaserJet Series II



25 MHZ
Vectras



Also available...
Plotters and Supplies

Copley Systems is now authorized to offer you products for personal use at the same low educational discount prices we offer to your school. Previously, only educational institutions themselves were eligible for these super savings!

hp HEWLETT
PACKARD

3 years for the price of 1!
Educational institutions can now triple the warranty on specified products purchased after January 1, 1989.

MA (617) 449-5566 • 1-800-4-COPLEY
Outside Mass. 1-800-426-7539

COPLEY SYSTEMS

185 Second Ave., Needham, MA 02194

Design 2000 Engineering New Concepts For Energy Efficient Buildings

New England Electric recently announced Design 2000 — an exciting program that promotes energy efficient design of new commercial, industrial and institutional buildings. The program offers design assistance and significant financial incentives for the added cost of a wide variety of electric energy savings equipment.

Registered Professional Engineer

You will serve as the "Technical Lead" for this innovative new construction program. The position is based in Westborough, Massachusetts but involves extensive interaction with customers, contractors, engineers and architects throughout our three state service area. Qualified candidates will have:

- Bachelor's degree (Science or Engineering).
- P.E. License.
- Customer contact skills (previous marketing experience preferred).
- Excellent oral and written presentation skills.

Preference will be given to candidates who possess engineering experience with building design elements, HVAC, lighting, refrigeration or related technical background, understanding of energy efficiency concepts for C&I customers and computer modeling experience relating to building design.

We offer an excellent salary, comprehensive company benefits and the opportunity to contribute significantly to the challenges facing a dynamic, progressive public utility. Send your resume and salary history to Mark E. Lima, Corporate Personnel, New England Electric, 25 Research Drive, Westborough, MA 01582.

Caring about energy. Caring about you.

BEHOLD

Bisexual, Gay, and
Lesbian Awareness Days

89

Week of March 6-10

Tuesday, 7:30pm, 9-150

Movie Night: "Parting Glances," "Part of the USA"

Wednesday, 7:30pm, 6-120

Discussion: "The Impact of Psychiatric Opinion on Lesbians and Gay Men," Dr. Alex Coleman

Thursday, 8pm, 10-250

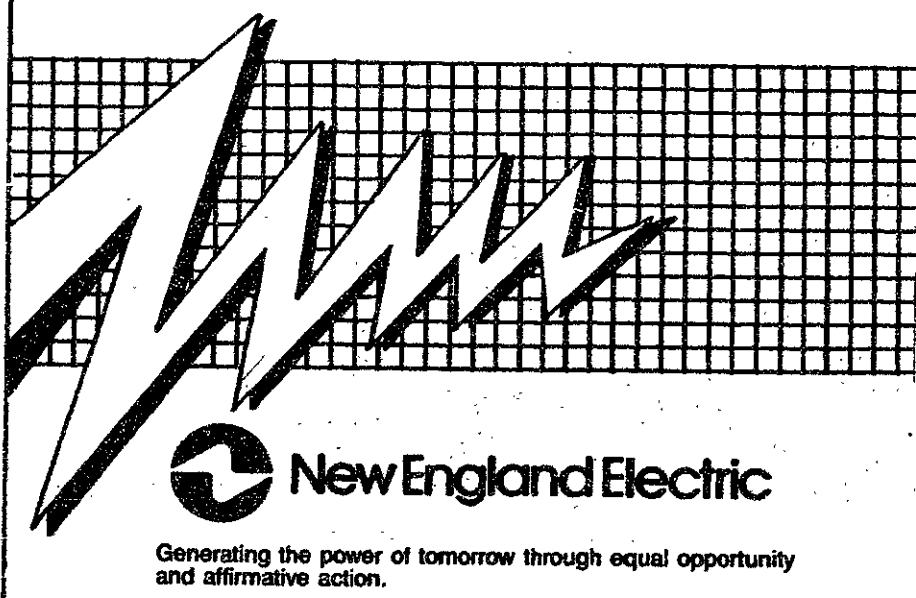
Janice Perry, famous lesbian comedienne, gives a hilarious performance, \$5.00 admission

Friday, 9pm, Lobdell, Student Center
GAMIT's 20th Anniversary Dance, \$3 student/\$4 other

All events are open to the general public.
For more information, call 253-5440

Sponsored by

GAMIT
Gays & Lesbians at MIT



New England Electric

Generating the power of tomorrow through equal opportunity and affirmative action.

sports

Track gets big win at ECAC tourney

(Continued from page 20)

(third, 23.44).

Freshman Dean Moon followed McKenzie with an 8.03 run for third place in the 55 meters.

Other first-place winners included: Sean Kelley '89 (5000 meters, 15:05.36) and Kevin Scannell '92 (long jump, 22'-10½").

Rounding out the scorers were: Joe Kowalski '90 (500, second, 1:08.28); Eugene Tung '89 (5000, third, 15:16.79); Tom Washington '92 (high jump, third, 6'-5");

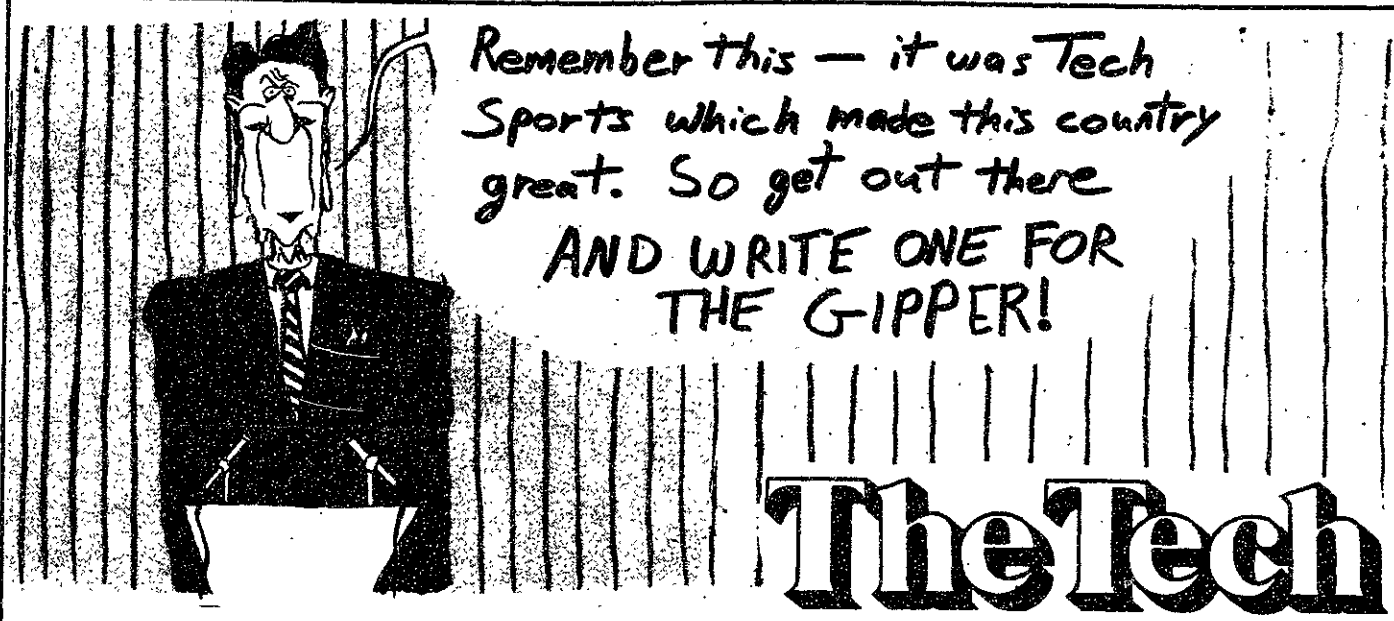
Kyle Robinson '89 (1000, fourth, 2:35.43); Doug Cornwall '89 (triple jump, fourth, 44'-2½"); and Mike Piepergerdes '92 (800, fifth, 1:58.77).

MIT's distance medley and 1600-meter relay teams failed to place, but the 3,200-meter relay team of Kowalski, Patrick Cazeau '92, Robinson, and Piepergerdes placed second in a time of 8:06.69.

The Engineers will return to Bowdoin College Saturday for

the National Collegiate Athletic Association Division III National Championships. Competing for MIT will be: Clarke (weight throw); Deering (weight throw and shot put); Kelley (5000); Piepergerdes (1500); and Singhose (pole vault).

Depending on final standings of athletes around the nation, Dunzo may be eligible to compete in the 400, as may Scannell and Singhose, both in the long jump.



classified advertising

Classified Advertising in *The Tech*: \$5.00 per insertion for each 35 words or less. Must be prepaid, with complete name, address, and phone number. *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

Boston Institute for Psychotherapy (Kenmore Square) needs participants for research on small work groups. Time: 1 ½ hours. Pay: \$12.50 + chance of bonus; public transportation reimbursed. To schedule appointment, leave message: 269-8720.

Apartment to Rent
Cambridge. Furnished, sunny 2 ½ BR, 2 bath, 2 balconies. Sublet March through June. Off street parking. Call 661-3840.

Foreign Area Specialists!
Several multi-national corporations currently seeking foreign graduate students/researchers as associate advisors/researchers on scientific, economic, and political developments in their home countries. To be considered, send cover letter/resume to: International Analysis Group, 40 Wall Street, Suite 2124, New York, NY 10005.

Bed and Breakfast
Reserve rooms now for commencement. An inexpensive alternative to hotels. Enjoy breakfast in the garden of this charming 1900 mansard-style home, located five minutes from the Red Line in Davis Square. 617-625-8847.

I Have Hardware Problems
Entrepreneur needs hardware designed for simple calculator-like machine. If you have the solution, call Paul and leave message. 244-8037. Salary and terms negotiable.

Legal Problems? I am an experienced attorney and a graduate of MIT who will work with you creatively to solve these problems, answer your legal questions, and provide legal representation. My office is conveniently located in downtown Boston just minutes from MIT via MBTA. Call Attorney Esther Horwich MIT '77 at 523-1150.

Summer Job Interviews. Average earnings \$3100. Gain valuable experience in advertising, sales, and public relations selling yellow page advertising for the Massachusetts Institute of Technology Telephone Directory. Opportunity to travel nationwide. Complete training program in North Carolina. Expenses paid training program in Chapel Hill, NC. Looking for enthusiastic, goal-oriented students for challenging, well-paying summer job. Some internships available. Interviews on campus Wednesday, March 22. Sign up at Office of Career Services, Rm. 13-170.

Travel Trivia

How many gallons of paint is needed to cover the Eiffel Tower?

ANSWER:
0009

*We're only ten minutes away

RAYMOND & WHITCOMB CO.
21 SCHOOL ST., BOSTON, MASS. 02108
First in Travel since 1879
(617) 227-3000

APPROVED MIT TRAVEL AGENCY.
MIT Ext. #'s 3-4438 & 3-4439

We're the Minnesota Supercomputer Center, Inc., the provider of advanced, large-scale computational services to major corporations, government and university researchers nationwide. We will be welcoming experienced computer professionals at our booth at the BPI TECH FAIR located at BOSTON (3-6 & 3-7-89) AND CAMBRIDGE (3-8-89). Stop by and let us tell you about our state-of-the-art environment. Its emphasis is on power and diversity, and includes the most advanced models from Cray Research and ETA Systems with UNIX, TCP/IP and X Windows as the software foundation. Ask us about openings available in:

**CLIENT TECHNICAL SUPPORT
MARKETING TECHNICAL SUPPORT
GRAPHICS/VISUALIZATION
OPERATING SYSTEMS
DATA COMMUNICATIONS**

Consider your potential with the Minnesota Supercomputer Center, a showcase for the supercomputer industry. We're committed to maintaining the most advanced computational hardware and software facilities possible and to attracting the most talented professionals in the field. Current openings include positions in Minnesota and in various other areas of the country.

Meet us at the fair. If you are unable to attend, call us collect at (612) 626-1888, or send your resume to:



Director of Administration
**Minnesota
Supercomputer
Center, Inc.**

1200 Washington Ave. So.
Minneapolis, MN 55415

MSC is an equal opportunity employer
*UNIX is a trademark of AT&T Bell Laboratories
X Windows is a trademark of the
Massachusetts Institute of Technology

The Tech News Hotline: 253-1541

BP Minerals America will be recruiting on campus March 24, 1989 for the following positions:

Accountant
Electrical Engineer
Mechanical Engineer
Human Resources Generalist

BP Minerals America explores for, develops, and mines copper, gold and silver. We mine copper, gold and silver at Bingham Canyon, the world's largest surface mine, located near Salt Lake City, Utah. We hold gold reserves and operate mines in Nevada, Utah, South Carolina, and Papua New Guinea and a silver mine in Alaska.

For scheduling information, please contact Miriam Diamond in M.I.T Career Services, (617) 253-4733.

Coop Nominations

The Board of Directors of the Harvard Cooperative Society has 23 members-11 students from MIT and Harvard, 11 members of the faculty and staff or alumni of MIT and Harvard and the President of the society. The Board oversees the operation of The Coop, a seven store college bookstore cooperative, and sets the policy for The Coop's operation. The Board meets monthly during the academic year. The following persons have been nominated by the stockholders of the society to serve as Student Directors during the 1989-1990 school year.

Harvard and Radcliffe College Students

Alexander Edelstein
Rick Louie
Travis R. Metz
Pawan G. Patil

Harvard Graduate Students

Mark Metcalfe
Kevin P. Mohan
Julia S. Rubin

MIT Undergraduate Students

Robert E. Potter
Julie Ang Mi Kim

MIT Graduate Students

Thomas W. Altshuler
Mark D. Hansen

Procedure for Additional Nominations for Student Directors

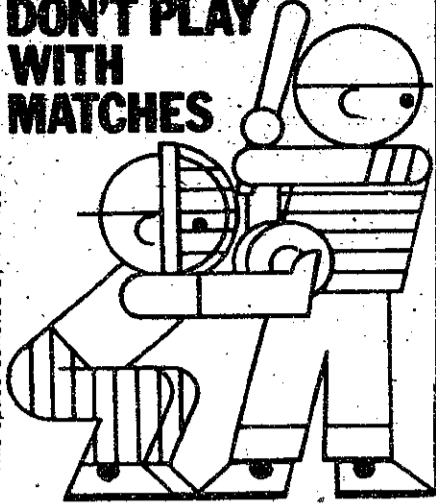
Additional nominations for Student Directors may be made by the petition process. Petitions for Student Directors must be validly signed by at least 100 student members and filed with the Clerk of the Society (by leaving the petition at the president's office in the Harvard Square store) no later than 5pm, March 15, 1989.

Ballots will be distributed in April to all student members for the purpose of electing eleven directors from the whole list of nominees. If you are interested in becoming a petition nominee, you should promptly acquire petition forms and instructions from the Cashier's Office in any of the Coop stores between the hours of 9:30am and 5pm, Monday through Friday.

Remember that completed petitions cannot be accepted after 5pm, March 15, 1989.

The Coop is America's oldest and largest college bookstore cooperative, serving the Harvard and MIT academic communities. Profits from the operation are returned to Coop members annually in the form of a patronage rebate.

**SMOKEY'S FRIENDS
DON'T PLAY
WITH
MATCHES**



This space donated by The Tech

**The Political Science Department
Film Series Presents. . .
Mephisto**

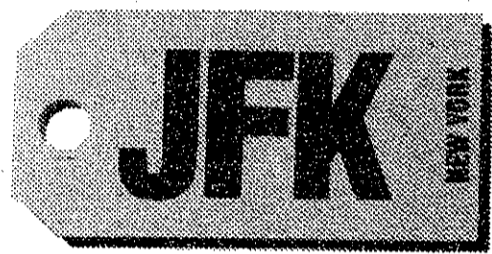
Winner of the Academy Award for Best Foreign Film. The true story of Hendrik Hofgen, a small town actor who gradually betrayed political and moral principle in return for professional power and advancement in Nazi Germany.

Thursday, March 9 at 7:30pm
Rm. 6-120, Admission FREE

*Headquarters for
Levis, Lees,
Timberland Boots,
Ray Ban Sunglasses
at lowest prices.*

*All Cotton Turtle Neck Jerseys
31 Colors \$7.95*

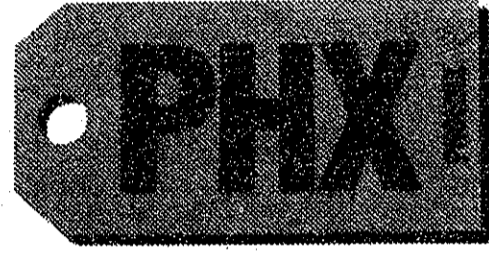
CENTRAL WAR SURPLUS
433 Mass Ave
Central Square
Cambridge



*New York City
\$99 roundtrip*



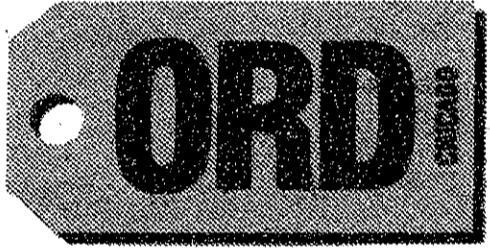
*Seattle
\$99 roundtrip*



*Phoenix
\$99 roundtrip*



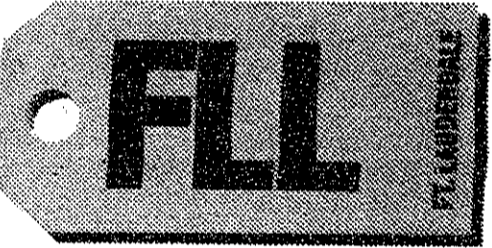
*Denver
\$99 roundtrip*



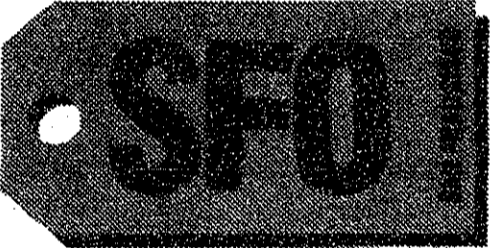
*Chicago
\$99 roundtrip*



*Boston
\$99 roundtrip*



*Fort Lauderdale
\$99 roundtrip*



*San Francisco
\$99 roundtrip*



*Los Angeles
\$99 roundtrip*

**\$99 roundtrip airfares on Northwest Airlines.
A special offer for students,
only for American Express Cardmembers.**

If you want to go places, it's time for the American Express® Card.

Because now you can take advantage of new travel privileges on Northwest Airlines *only for full-time students who carry the American Express Card.*

Travel privileges that offer:

Two \$99 roundtrip tickets—fly to any of the more than 180 cities served by Northwest in the contiguous 48 United States.

Only one ticket may be used per six-month period.

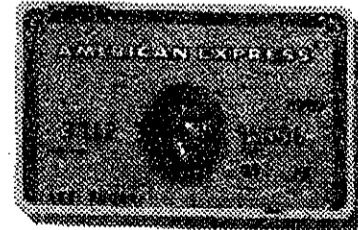
Special Quarterly Northwest Destination Discounts throughout 1989—up to 25% off the lowest available fare. 5,000 bonus miles in Northwest's WORLDPERKS® free travel program—where only 20,000 miles gets you a free roundtrip ticket to anywhere Northwest flies in the contiguous 48 United States or Canada.

And, of course, you'll enjoy all the exceptional benefits and personal service you would expect from American Express.

The only requirements for privileged travel: you must be a Cardmember, you must be a full-time student, and you must charge your Northwest Airlines tickets with the Card.*

Getting the Card is easier than ever because now you can apply by phone. Just call 1-800-942-AMEX. We'll take your application and begin to process it right away. What's more, with our Automatic Approval offers, you can qualify now while you're still in school.

Apply now. Fly later
—for less.



Apply Now: 1-800-942-AMEX



*Some restrictions may apply. For complete offer details, call 1-800-942-AMEX. Current student Cardmembers automatically receive two \$99 vouchers in the mail.

sports

Volleyball loses close match

(Continued from page 20)

15-9 victory which was not nearly as close as the score would indicate, considering that MIT had been up 5-1.

Downey returned for the fourth game, but he did not seem nearly as effective. Altman later noted that she was disappointed in the play of many of her starters after she rested them.

It was Rocafort who once again seemed to be doing his best to hold together MIT's advantage, getting in three or four kills and some very hard serves. Tang also made some strong hits, but it was in a losing effort.

After picking up the first point, MIT fell behind 7-1. Rocafort then served for two points, but a serve into the net gave Springfield the chance they needed. The Chiefs opened up the lead to 11-3 over a tired-looking MIT team.

The Engineers struggled back as Tang picked up, in succession, a kill, a dink over the Chiefs' blockers, and a beautiful block on a Springfield overpass.

MIT's four point run was not, however, enough to close the gap, and Springfield came back behind the power hitting of Fowler and junior Mark Straubel. The Chiefs evened up the match with a 15-7 win.

The fifth game provided the most excitement of the evening. Unfortunately for the Engineers, a strong effort did not result in a MIT win.

The game opened with some great displays from both sides. Rocafort scored a quick side out, but Springfield's James Groeneveld picked one up right behind him, negating MIT's chance to score.

The next serve ended in the first of several questionable calls by the officials. After Downey picked up what appeared to be a side out for MIT, Fowler, the Chiefs' captain, protested to the

official that one of his players had fallen down, arguing that the play should have been stopped. The officials agreed, calling for the teams to repeat the serve. However, Altman later claimed that call had to be made while the play was underway for it to be valid.

"There were some bad calls in the fifth game that all went against us," Altman pointed out. "But there shouldn't have been a fifth game," she added.

The next volley was easily the best of the night, as both teams dug out strong hits and set up equally strong returns. Eventually, however, the Chiefs' Peter Harvey hit the ball into the net, giving MIT the serve.

The teams battled back and forth, trading side outs, neither gaining more than a one point advantage over the other. Eventually the score evened up at 6-6. But then Springfield took over.

The Chiefs went on a eight point tear, as the MIT blockers kept blocking the Chiefs' hits out of bounds. This was very tough luck for MIT, and it happened four times. One in particular came after MIT freshman Tom Klemas had made a spectacular save.

The Chiefs also scored an ace, as well as one put away shot which the dispirited MIT team failed to even attempt to block. Twice carries were called against Lee on moves he had been using for the entire match.

But MIT regrouped, and managed to pick up four straight points. Two came off blocks by Downey and Tang, and one came from a very nice save by Co-captain Edwin Marin '89, but it was for naught. With MIT facing match point, Rocafort, who had done so much for MIT in all five games, hit a hard crossing shot which just wide of the line. The Chiefs picked up the game, and the match, with a score of 15-10.

When asked how he got his team up from losses of 5-15 and 3-15, Pickrell denied responsibility. "They did it themselves," he said of his players "I had nothing to do with it."

"Both teams made mistakes," he added, "and the team that stopped making mistakes won the game." In the first two games that was team was MIT, he said, and afterwards it was the Chiefs.

Furthermore, "the serving got tougher," Pickrell said. Altman agreed; "They started serving really hard . . . Once you let them get ahead, they can start to take chances" like serving hard, she elaborated.

MIT will face Roger Williams College at 7 pm tonight in Dupont. The Seahawks beat MIT earlier this year at Roger Williams, and Altman expects they will win the EIVA.

MIT wins two of five in Saturday's tournament

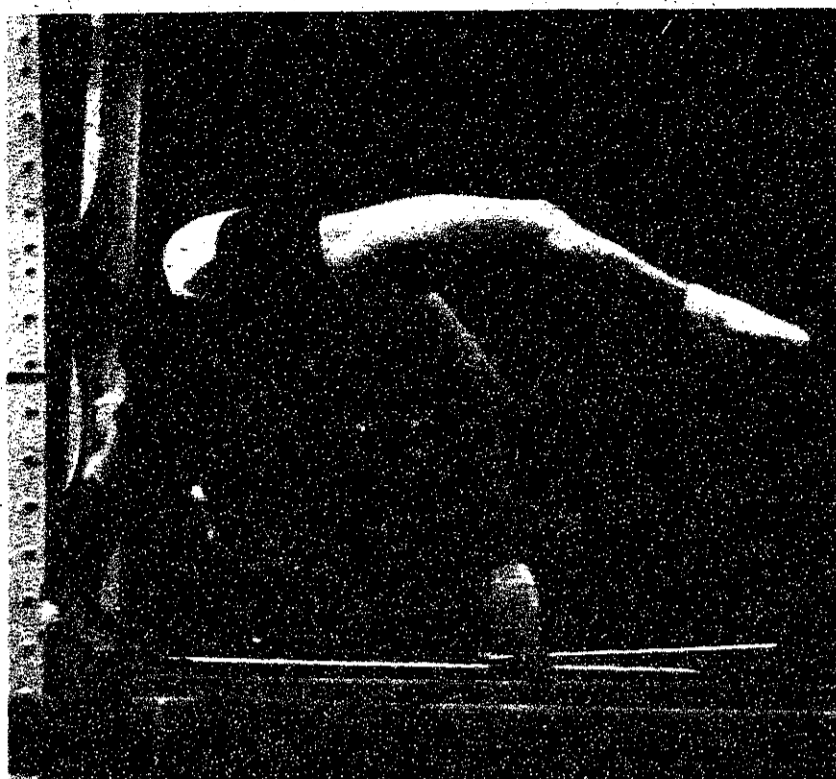
MIT faced many of their EIVA opponents in round-robin tournament action Saturday, defeating two and losing to three of the teams. Roger Williams, who hosted the tournament, won overall.

The Engineers beat Vassar (15-7, 15-5) and Harvard (15-12, 5-15, 15-10). MIT will face Harvard in league competition at home on March 16.

They lost to Dartmouth (10-15, 13-15), Springfield (16-14, 5-15, 4-15), and Roger Williams (10-15, 16-14, 14-16). Besides the match versus Roger Williams tonight, the Engineers must play Springfield at Springfield on April 4.

Altman explained that "minor injuries contributed to us being not as sharp [as we could have been]." The Engineers' had difficulty hitting, she added, although serve receive, which has been giving the team trouble lately, was very good.

MIT was missing starters Tang and Lee.



Michael Franklin/The Tech

Lisa Arel performs a back handspring on the beam. See story p. 20.

ENGINEERS OVERSEAS

DON'T:

- wear a suit and tie
- shuffle papers and answer phones
- sit at a desk all day

DO:

- live in foreign countries
- work outdoors
- take charge
- make decisions
- face many challenges
- bear heavy responsibility
- work long hours
- operate sophisticated electronic equipment
- record information on oil and gas wells
- interpret that information

ENJOY:

- being their own boss

THIS JOB IS NOT FOR EVERYONE - BUT IT COULD BE FOR YOU!

Schlumberger, the world leader in Wireline Well Logging has immediate career opportunities **Overseas** for individuals with an **M.S. or B.S.** degree in **E.E., M.E., Physics** or the **Geo-Sciences**, excellent scholastic record, hands-on aptitude and 0-3 years work experience.

OPENINGS FOR
PERMANENT AND SUMMER
POSITIONS

U.S. or Canadian Citizenship preferred

INFORMATION MEETING*

Date: March 7, 1989
Time: 7:00PM - 9:00PM
Place: Room 4-149

INTERVIEWING

March 8 & 9, 1989

*All candidates must attend Information Meeting



Exceptional people. Exceptional technology. Worldwide.

The 1988-1989 James R. Killian, Jr., Faculty Achievement Award Lecture

"After Nuclear Magnetism, What?"

John Stewart Waugh
Institute Professor

and

Arthur Ames Noyes
Professor of Chemistry

Wednesday 8 March 1989
4:30 pm
Huntington Hall, Room 10-250

sports

Arel takes fourth in NCAA gym nationals



Michael Franklin/The Tech
Lisa Arel '92 executes a back somie on the beam.

By Michael J. Garrison
MIT gymnast Lisa Arel '92 visited the NCAA Division III Championships over the weekend and took home fourth place overall and four all-American citations. She also placed in three of four individual events.

Arel qualified for the two day meet, held in Lacrosse, WI, on the basis of her all-around scores from the season. She is the first MIT woman gymnast to attend nationals, as well as the first to be named an all-American.

The gymnasts competed in all four events on Friday in order to determine the all-around standings, as well as to qualify for individual events on Saturday. Arel's all-around score of 34.9 was the fourth best of the day. Mary Levin of the University of Wisconsin/Oshkosh won the all-around with a 36.5, leading her team to first place in the team competition.

Arel's first day scores ranged from 9.0 in the floor exercise to 8.7 on the beam and 8.6 on both the vault and the bars. Only the top 12 competitors in each event

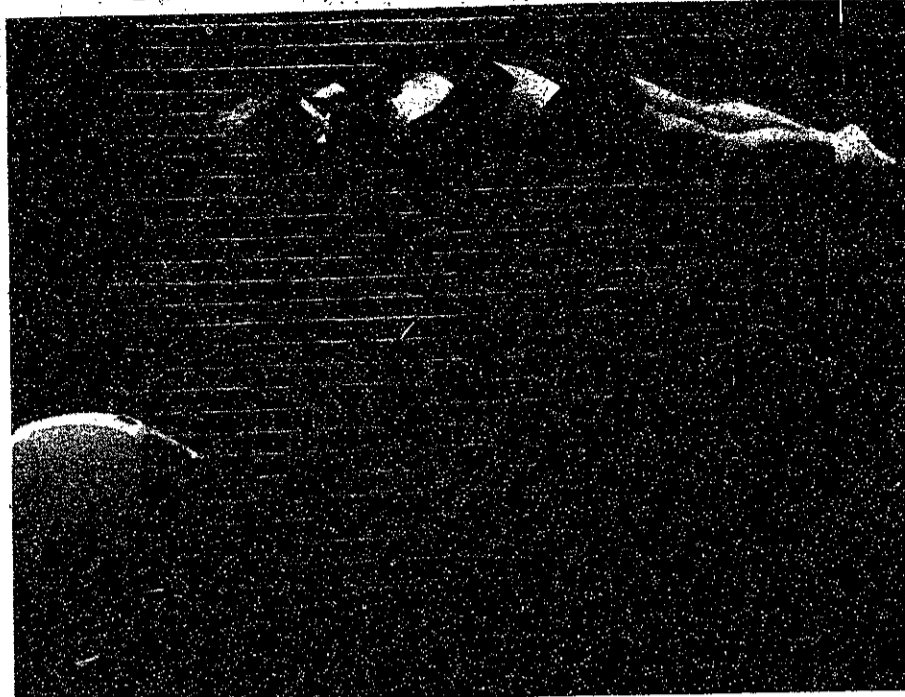
qualified for the Saturday's individual competition. Arel qualified in all four events.

Saturday's scores were even higher, as she earned 9.0 on the bars, 8.9 on the vault, 8.8 on the floor, and 8.6 on the beam. Placings were determined by adding the results of both days, and Arel placed third on the floor and fifth on the bars and the beam. She earned all-American honors in all-around and the three events in which she placed.

"I was consistent both days," Arel said. She did not try any special routines for the nationals but instead "hit all [her] routines, both days."

"It was hard to compete against teams" as an individual, Arel noted. Most of the competitors were members of teams which had qualified. Only the top seven individuals who did not qualify with a team were invited to attend.

Arel performed with a bruised heel, suffering the injury during Thursday's practice session. For a time, she said, she did not think that she would be able to compete in the meet.



Michael Franklin/The Tech
Lisa Arel '92 performs a full twisting handspring vault.

MIT volleyball loses to Springfield

By Michael J. Garrison
The MIT men's volleyball team lost a heartbreaking match to the Springfield College Chiefs last Thursday, winning 15-5 and 15-3 before dropping the last three games 9-15, 7-15, and 10-15.

"This [match] was pretty important," Coach Karyn Altman '78 remarked after the loss. "We

zafort '90 had two hits blocked by Springfield's Brett Fowler and Donald Goller, each resulting in points for the Chiefs.

Another Springfield block made it 0-4 by the time MIT's setter, Co-captain Charles Lee '89, fooled the Chiefs by setting the ball over the net and into a hole in the Springfield coverage.

the second game, but a big block by Allen Downey '89 got the serve back for MIT, and they took a lead which they would never lose. The Chiefs, who were obviously frustrated, watched their quick lead become a 7-1 MIT advantage.

As MIT powered to a 15-3 victory, a shift in offensive strategy appeared to pay off. In the first game Lee had set most of the passes over to the left outside hitter, but Springfield reacted well to the play. In the second game, however, Lee set the ball to the middle much more often, either one-sets to Downey or feeds to Rocafort. He also scored three kills with hits of his own.

It was at this point, however, that MIT "let the momentum go towards Springfield," Altman recalled. MIT "let Springfield start to feel like they could" win.

Springfield's coach, Rich Pickrell, had a different interpretation. "We got consistent," he said.

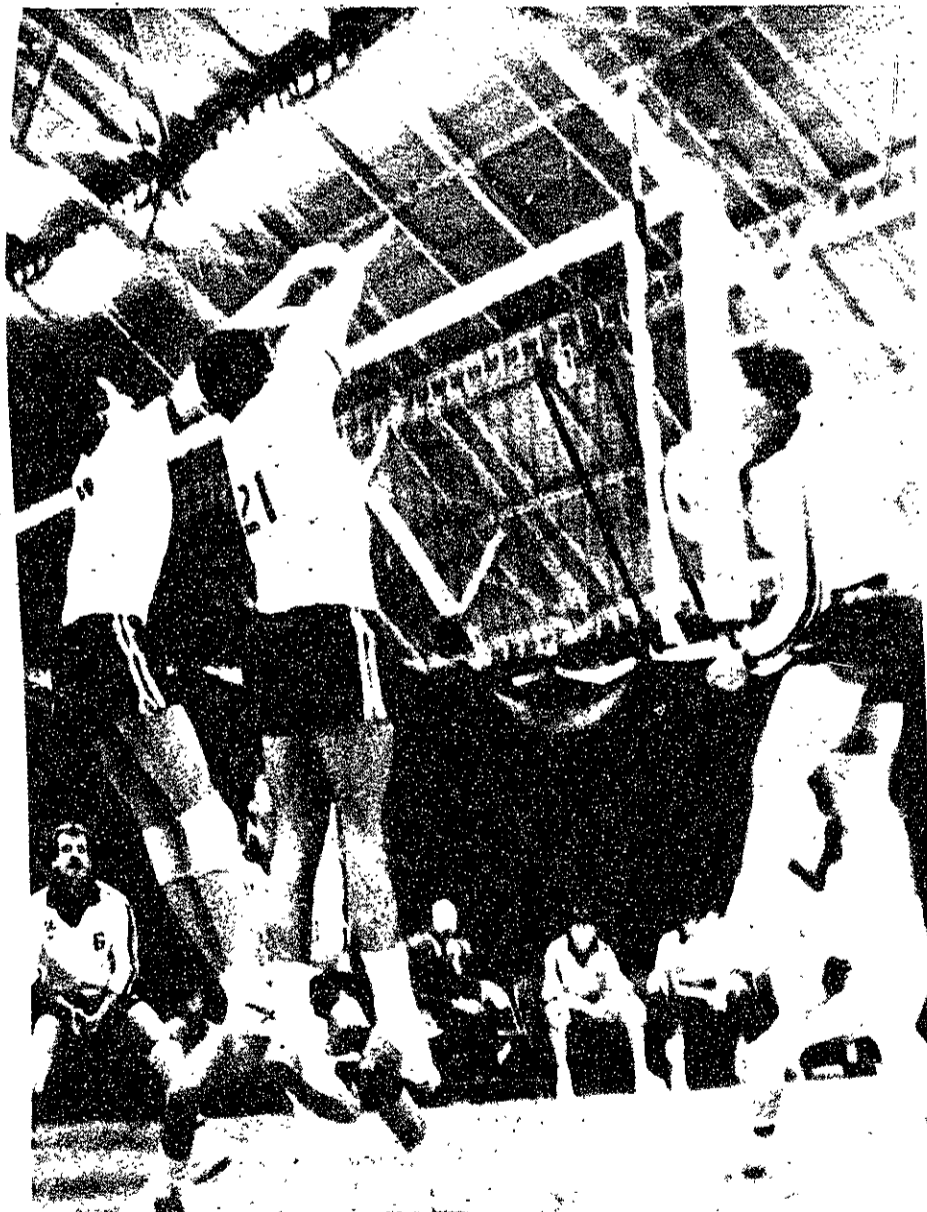
The third game started out in MIT's direction when the Engineers picked up a point on the opening serve, but the tide quickly turned to Springfield. On the second serve of the game, MIT's senior middle hitter Downey had to be taken off of the court after suffering a shoulder injury. Losing Downey "really shouldn't have bothered us," Altman said, but it certainly seemed that it did.

MIT picked up three quick points on Springfield hitting miscues, but that was about all the good news they were to get. After some sloppy passing on both sides of the net, it was the Chiefs who began to get things going again.

As long as they remained ahead, MIT appeared to be playing decently. However, as Springfield took the lead, MIT seemed to fall apart. The Engineers began to make mental errors, such as serving the ball out of bounds, carrying sets, and allowing serves to fall between receivers.

MIT's offensive attack also stalled as the Engineers, lacking a middle game without Downey, fell victim to strong blocking by the Chiefs' Fowler and Goller. MIT got only a few successful hits from outside hitter Rocafort.

In the end, Springfield won a (Please turn to page 19)



Georgina A. Maldonado/The Tech
Roland Rocafort '90 (right) and Allen Downey '89 jump for a block against Springfield. The Engineers lost, 3-2.

took ourselves out of any chance at first place" in the conference. The Engineers need to win two of their remaining three Eastern Intercollegiate Volleyball Association opponents in order to make the playoffs.

Springfield, whom MIT had beaten earlier in non-conference play, improved their record to 3-5. After this match and a weekend tournament, MIT dropped to 11-8.

The first game started poorly for the Engineers, as Roland Ro-

After regaining the serve, Springfield scored again with an ace, making the it a quick 0-5 deficit for MIT. But the Engineers then came back with 15 unanswered points to win the first game decisively.

MIT's run included putaways by Rocafort and Joe Tang '89, strong blocking, a surprise hit by Lee, and several aces. Altman summed it up: "We played pretty well in the first game, ... they played badly."

Springfield held first service in

MIT track runs off with ECAC championships

By David Rothstein
LEWISTON, ME — You want turnaround? The men's indoor track and field team will give you turnaround.

Two weeks ago the Engineers, missing several key performers to injuries, scored only 62 points in an unsuccessful bid to defend their New England Division III championship title. On Saturday, competing against many of the same teams it faced in the New England championships, MIT scored 140 (count 'em) points to win the East Coast Athletic Conference Championships, held at Bates College.

Buoyed by the return of leading scorer Bill Singhose '90 and top 400-meter man Mark Dunzo '91, the Engineers ran off a string of personal-best performances — seven among the 16 MIT athletes who scored in the meet — en route to almost doubling the points total attained by the meet's second-best team, Cortland St., which scored 71 points.

Singhose, who had been out for almost a month with injuries to both hamstrings, put on an impressive showing in the pole vault, winning at 15 feet, 0 inches, by a comfortable 10-inch margin. Singhose, who holds the ECAC record at 15'-5", also jumped 44'-11 1/4" in the triple

jump, good for second place. Dunzo had missed several meets with a knee injury, but ran well at Bowdoin, scoring fifth in a competitive 400-meter field in a time of 50.44 seconds. The top three finishers in the 400 final all ran better than 50.00.

Two of Saturday's more dramatic and impressive victories came in the 35-pound weight throw, won by MIT's Scott Deering '89, in a personal best toss of 60'-11 1/2"; just six inches shy of an MIT record. Bates' Peter Goodrich came out with a 60'-2 3/4" throw in the trials to take first, and it was not until his last throw that Deering was able to overtake Goodrich.

MIT's John-Paul Clarke also threw a personal best on his last throw of the day to take third place at 53'-6 1/2".

Deering picked up a third place in the shot put with a throw of 48'-6", followed by Mark Masalsky '91, who placed fourth at 45'-8 1/2".

Paul McKenzie '90 and senior David Wright were both double-winners for the Engineers. McKenzie scored two seconds — in the 55-meter high hurdles (7.95) and the 200-meter dash (23.35) — while Wright recorded personal-bests in the 55-meter dash (second, 6.72) and the 200 (Please turn to page 17)

Indoor Track at ECAC Div. III Championships

- Pole vault** — 1, Singhose, MIT, 15'-0"; 2, Gutterman, Bowdoin, 14'-2"; 3, Peura, Bates, 13'-3".
- High jump** — 1, Schecter, Bates, 6'-9 1/2"; 2, Forrest, Westfield St., 6'-5"; 3, Washington, MIT, 6'-5".
- Long jump** — 1, Scannell, MIT, 22'-10 1/4"; 2, LaDerge, Cortland St., 22'-8 3/4"; 3, Araujo, SE Mass., 22'-8 3/4".
- Triple jump** — 1, Araujo, SE Mass., 45'-9 1/4"; 2, Singhose, MIT, 44'-11 1/4"; 3, Alcid, Lehman, 44'-3/4"; 4, Cornwall, MIT, 44'-2 1/4".
- Weight throw** — 1, Deering, MIT, 60'-11 1/2"; 2, Goodrich, Bates, 60'-2 3/4"; 3, Clarke, MIT, 53'-6 1/2".
- Shot put** — 1, Wood, Urin, 55'-4 1/4"; 2, Goodrich, Bates, 49'-5"; 3, Deering, MIT, 48'-6"; 4, Masalsky, MIT, 45'-8 1/2".
- 55 meter dash** — 1, Moda, Fitchburg St., 6.56; 2, Wright, MIT, 6.72; 3, Hamilton, Stony Brook, 6.73.
- 55 meter hurdles** — 1, Moody, Fitchburg St., 7.91; 2, McKenzie, MIT, 7.95; 3, Moon, MIT, 8.03.
- 200 meters** — 1, Hamilton, Stony Brook, 23.21; 2, McKenzie, MIT, 23.35; 3, Wright, MIT, 23.44.
- 400 meters** — 1, Carpenter, Mary Washington, 49.54; 2, Wyeth, 49.70; 3, McAleer, Catholic, 49.88; 5, Dunzo, MIT, 50.44.
- 500 meters** — 1, Clark, Cortland St., 1:07.97; 2, Kowalski, MIT, 1:08.28; 3, Ellithorpe, Cortland St., 1:08.33.

- 800 meters** — 1, Gyricska, Tufts, 1:55.09; 2, Dixon, Bates, 1:56.01; 3, Lyons, Coast Guard, 1:57.39; 5, Piepergerdes, MIT, 1:58.77.
- 1000 meters** — 1, Tsilibes, Cortland St., 2:31.47; 2, Thompson, Bates, 2:32.96; 3, Wirth, Coast Guard, 2:33.51.2:35.09; 5, Robinson, MIT, 2:56.03.
- 1500 meters** — 1, Gaffney, Cortland St., 3:57.08; 2, Dillon, Bowdoin, 3:58.41; 3, Roblier, Cortland St., 3:59.54.
- 3000 meters** — 1, Driscoll, Urin, 8:45.76; 2, Hickey, Bowdoin, 8:47.19; 3, Rich, Tufts, 8:49.40.
- 5000 meters** — 1, Kelley, MIT, 15:05.36; 2, Litincsiacs, Ramapo, 15:11.23; 3, Tung, MIT, 15:16.79.
- Distance medley relay** — 1, Amherst, 10:18.19; 2, Cortland St., 10:21.40; 3, Bowdoin, 10:34.14.
- 1600-meter relay** — 1, Fitchburg St., 3:22.70; 2, Westfield St., 3:22.81; 3, Coast Guard, 3:24.42.
- 3200-meter relay** — 1, Tufts, 7:59.00; 2, MIT (Kowalski, Cazeau, Robinson, Piepergerdes), 8:06.69; 3, Coast Guard, 8:09.09.

- Team scores**
- 1, MIT, 140; 2, Cortland St., 71; 3, Bates, 60; 4, Tufts, 44; 5, Fitchburg St., 38; 6, Bowdoin, 33; 7, Coast Guard, 31; 8, SE Mass., 29; 9, Ursinus, 25; 10, Stony Brook, 18; 11, Westfield St., 16; 12, Amherst and Williams, 15; 14, Catholic Univ., Lahman and Mary Washington, 10; 17, Ramapo, 8; 18, Colby, 7; 19, UMass-Boston, 3; 20, St. Joseph's and Worcester St., 2; 22, USMMA and WPI, 1.