

Shally Bansal '93, Undergraduate Association president, describes potential problems with the proposal to lengthen the Institute calendar (left). Undergraduate Association executive committee members, Jacob J. Seid '96, Raajnish A. Chitaley '95, and Lana L. Luoma '96 discuss the proposal to lengthen the calendar year at yesterday's UA Council meeting (right).

UAC Discusses Calendar Committee Formed to Prepare Reponse; Referendum Likely

By Jeremy Hylton
EDITOR IN CHIEF

The Institute Calendar Committee's proposal for a longer school year was outlined for members of the Undergraduate Association Council at its meeting last night. Council members were largely critical of the proposal, and vowed to draft a counter-proposal.

The calendar committee proposal, announced last week, will increase the number of teaching

days in each term and lengthen Independent Activities Period to 19 class days. The new calendar would shorten the summer term and cause Residence/Orientation Week to start about one week earlier.

UA President Shally Bansal '93 said the UA would form a committee to draft a new proposal for the calendar. The committee was "the only way we can make an intelligent and reasonable response," she said.

The members of the Institute

Calendar Committee will also attend the next UA meeting, on Apr. 26, to answer questions and gather feedback. "I can't over-emphasize the importance of this. It's important that we have non-council members coming in and voicing their opinions," said Raajnish A. Chitaley '95, UA floor leader.

The UA is also considering a referendum on the calendar changes.

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LENNY SPEISER—THE TECH

With 126, MIT is Patent Pick

By Jackson Jung
STAFF REPORTER

Boston-area attorneys must love MIT — patent attorneys, that is. In 1992, the Institute was awarded 126 patents, more than 8 percent of the 1,491 U.S. patents granted to all American colleges and universities, according to the *Chronicle of Higher Education*.

MIT received the most patents by far, followed by the University of California's 81 patents and the 75 patents awarded to the University of Texas. The University of Florida

had the fourth largest number, with 50 patents, and Stanford University came in fifth with 44 patents.

Lori Pressman, technology licensing officer for MIT, suggests that part of the reason MIT received so many patents could be the large amount of sponsored research dollars the Institute receives from industry for practical engineering. "[MIT] has a history and tradition of fostering interaction with industry," Pressman said.

Industry in general approaches an academic institution like MIT in

search of "inspiration." It is the job of researchers who have chosen to work closely with industry to come up with an idea that may have commercial potential, and not necessarily to "work out all the bugs." It is then the role of industry to turn the idea into a marketable, producible resource.

According to Pressman, by the time patents have been issued for MIT inventions, more than half of them have already been licensed to

Patents, Page 9

Levitt Attracts \$290 To Win Big Screw

By Deena Disreality
STAFF REPORTER

Although BayBanks, the IRS, and ARA were all candidates, this year's Big Screw winner was Eliot S. Levitt '89, staff associate for residence and campus activities. Voters donated \$291.40 in Levitt's name. This year's contest raised \$605.90 for AIDS Action of Massachusetts, Levitt's chosen charity.

"A large part of my job is deciding housing assignments, and as long as you're dealing with limited resources, a good part of that job is going to be saying no. ... It's really easy to be notorious when you're the one with two housing requests and you know you can only approve one of them," Levitt said.

"Eliot, he's a really nice guy... it couldn't have happened to a nicer guy, but then again, I'm not housed in the undergraduate housing system," said Pascal R. Chesnais SM '88, 1991 Big Screw winner and a research specialist at the Media Laboratory.

Big Screw is named after the trophy presented to the winner, a 3-foot, left-handed aluminum screw. The contest, sponsored by MIT's chapter of the Alpha Phi Omega national service fraternity, lets students choose, at a cost of one penny per vote, the administrator, professor, or staff member "who is deemed the most worthy of this award," said Bridget A. Spitznagel '95, Big Screw project chair.

"The Institute Screw" — the award's official title — was last presented to Chesnais in 1991. "So, the truth comes out, I'm really a nice guy, however, that doesn't mean that I'm not disappointed about not winning this year," Chesnais said. "In 1991, I campaigned really hard to get the Big Screw because I thought, 'That's a really cool thing to have, I should get that,'" he said.

The contest began in 1967, when APO replaced its Spring Carnival Queen Contest with one awarding a four-foot long, left-handed wood screw to the most deserving faculty member. In 1975, the wooden screw was replaced by the aluminum one that is still used today.

Professor of Mathematics Arthur P. Mattuck was the first recipient of the Big Screw and has won the award two more times, in 1968 and 1986. He is the only person to receive this "honor" more than once. "Mattuck is a good professor," Spitznagel said. "A number of good professors have won it, ones with a strong sense of humor."

Previous winners include deans, professors, house managers, and current chief of campus police Anne P. Glavin.

The Big Screw was not presented in 1992 because APO members could not organize the project.

"This was not the most interesting year for Big Screw, but we did have a few exciting moments," Spitznagel said. One such moment came when friends of Christopher M. Schmandt, a Media Lab principal research scientist and Big Screw candidate, "collected their spare

Screw, Page 15

Architects Begin Design Work On New Homeless Shelter

By Brian Rosenberg
CONTRIBUTING EDITOR

Architects at HMFH Architects, Inc. have begun work on the design of a new shelter for homeless alcoholics and drug addicts to be built by MIT for the Cambridge and Somerville Program for Alcohol Rehabilitation.

MIT retained the Cambridge firm to design a new 55-person shelter as part of an agreement struck last month with the City of Cambridge. MIT will lease the shelter at 240 Albany St. to CASPAR for \$1 a year under a 20-year renewable lease. In exchange, MIT will receive segments of three city streets and the sidewalks along part of Vassar Street.

Architect George Metzger, the principal in charge of the project for HMFH, said the shelter is currently in the programming and preliminary design stage. "At this point we're defining the space needs of the shelter — seeing what types and sizes of spaces the shelter needs and how those spaces should relate to each other," he said.

Metzger said he and associate Laura Wernick have been working on the shelter's design for about two weeks. Metzger, Immerman, and representatives of CASPAR and the city meet every other week to review progress and discuss ideas for the shelter. Immerman said he expects to begin meeting every week as more specific ideas are discussed.

Metzger expects to complete the current stage of

the design process by June 1 and to have final construction documents by Oct. 1. "Our target for completion of the shelter is next summer," he said.

Firm chosen for experience

Stephen D. Immerman, director of special services and MIT's liaison to the project, said that HMFH was chosen for its experience with similar projects. "HMFH has worked a lot in the public sector, and they have a great familiarity with Cambridge as a working environment. They've done a lot of work on school-type institutional buildings... They're sensitive to the issues involved," he said.

"This project presents the opportunity to do a good public facility," Metzger said. "It's a challenging project because of the need to design an operationally-efficient shelter on a tight budget. In addition, there are design issues relating to having the building fit in on Albany Street — that area is in transition, and the building needs to respond both to what's there now and what will be there in the future."

Michelle Rutledge, a multi-service counselor at the current CASPAR facility, said, "We're all excited — that's the general feeling from both guests and staff."

"This is a job which needs to be done well, and I have high hopes it will be something everyone will be pleased with," Immerman said.

WORLD & NATION

U.S. Officials Question POW Document

THE WASHINGTON POST

WASHINGTON

A recently disclosed document from Russian archives indicates that Vietnam may have held hundreds more U.S. prisoners than it acknowledged at the end of the Vietnam War. But U.S. officials cautioned Monday that the document may not be accurate.

Presidential emissary John W. Vessey Jr., who is going to Vietnam this weekend, has been instructed to make a discussion of the document "the first order of business," State Department spokesman Richard Boucher said.

As described by U.S. officials who have read it, the document appears to be riddled with erroneous statements, but Boucher said it is still being evaluated by the Defense Intelligence Agency.

Vessey, a retired general, is to assess for President Clinton the extent of Hanoi's cooperation with U.S. officials seeking information about the fate of American servicemen still missing from the war. He has said in the past that Vietnam appears to be cooperating fully and is entitled to some reward from Washington, perhaps a lifting of the trade embargo that blocks U.S. firms from doing business there.

But if the information in the Russian document is correct, it would indicate that Vietnam has engaged in massive deception about missing Americans for more than 20 years.

Health Industry Groups Launch Advertising Blitz

THE WASHINGTON POST

The magazine ad casts the health care question in highly personal terms. There is a picture of a balding, genial-looking fellow with the headline: "Ask Mike what he'd do if you took away the ulcer drug that's saving him from a \$25,000 operation."

This is the pitch of the Pharmaceutical Manufacturers Association, one of several trade groups, corporations and lobbying organizations that have launched an advertising blitz about health care reform. While the ad touts the "cost-saving power" of prescription drugs, it neglects to mention that the industry spends \$1 billion more each year on advertising and lobbying than on developing new drugs.

The recent media offensive is reminiscent of last year's presidential campaign, with sweeping claims about solving the health care mess and snappy slogans about protecting consumers. This time, however, the object is not to win public office but to influence the recommendations of Hillary Rodham Clinton's health care task force.

As in political ads, the agendas of these organizations are not always made clear. All proclaim themselves strongly in favor of "reform" and insist that preserving their particular financial interest somehow will lower health costs. Some make questionable or misleading assertions.

Russia to Get \$3 Billion If Yeltsin Moves on Inflation

LOS ANGELES TIMES

ANCHORAGE, ALASKA

The United States and other major economic powers have agreed to extend Russia a quick \$3 billion in long-term loans as soon as the government of President Boris N. Yeltsin takes initial steps to bring inflation under control, senior Clinton administration officials said Monday.

The new loans, which could begin to flow from the International Monetary Fund within two months, are a key part of a multinational aid package of about \$40 billion that the world's seven leading industrial powers plan to announce in Tokyo this week.

In addition, U.S. Secretary of State Warren Christopher said the administration plans to announce new proposals for direct U.S. aid to Russia — beyond the \$1.6 billion promised last week — "aid that will go right into the bloodstream of the (Russian) economy."

Senior officials who spoke aboard Christopher's airplane on its way to Japan said they hope the IMF loans, which are designed to reach the Russian government unusually quickly, would bolster Yeltsin in his campaign for support in an April 25 referendum.

The official said the only condition for the release of the money would be a serious effort by Russian authorities to bring inflation under control by slowing their grants of credit. Western economic authorities have frequently pointed to the Russian Central Bank's practice of granting easy credit to state industries as an important cause of the runaway inflation that has exceeded 30 percent per month. Another cause has been the bank's rate of issuing new banknotes.

WEATHER

April Showers

By Arnold Seto
STAFF METEOROLOGIST

The remnants of yesterday's storm will continue to give us overcast skies and light showers through this afternoon. A ridge of high pressure will then move in, bringing clear skies and continued cool temperatures Wednesday and Thursday. On Thursday night, a deepening low pressure system will bring increasing cloudiness with significant rain on Friday and Saturday.

Today: Continued cloudiness with chance of light showers. Light winds, north, 10-15 mph (16-24 kph). High 45-50°F (7-10°C).

Tonight: Partial clearing. North winds 10-15 mph (16-24 kph). Low 38-42°F (3-6°C).

Tomorrow: Scattered clouds, otherwise clear. Winds north 12-16 mph (19-26 kph). High 48-53°F (9-12°C). Low 35-40 (2-4°C).

Thursday: Increasing clouds. Winds shifting to the south, 10-14 mph (16-22 kph). High 48-55°F (9-13°C). Low 40-45°F (4-7°C).

S. African Slaying Suspect Tied to Pro-Apartheid Group

By Paul Taylor

THE WASHINGTON POST

JOHANNESBURG

The suspect in the assassination of South African Communist Party leader Chris Hani belongs to the nation's largest militant, pro-apartheid white organization, the group's leader acknowledged Monday night.

Janusz Walus has been a member of the Afrikaner Weerstandsbeweging (AWB), or Afrikaner Resistance Movement, a paramilitary organization claiming more than 30,000 commandos, since 1986, according to its leader, Eugene Terre'Blanche.

Terre'Blanche said he did not know Walus personally, and he sought to distance his organization from the assassination by denouncing it as "an atrocious deed." Nonetheless, he appealed for the suspect to be treated as a political prisoner.

Walus, 40, a Polish immigrant described by associates as a fervent anti-Communist, is to be arraigned Tuesday for the slaying of Hani, who had been one of South Africa's most popular political leaders.

Walus is the only known suspect in the case so far, but there is widespread speculation that others were involved, either through a formal structure such as the AWB or through a shadowy network of well-armed white extremists who have vowed to preserve the apartheid system.

More than 100 white right-wing groups, most of them no more than small, geographically based cells, sprang up here in 1990 following President Frederik W. de Klerk's

declaration that his white minority government would negotiate an end to apartheid.

They carried out a spate of terrorist bombings that year, but the campaign ended after police jailed several of the bombers. The groups have been quiescent since March 1992, when de Klerk, in a whites-only referendum, won landslide support to proceed with the negotiations to form South Africa's first nonracial government.

"My impression had always been that the white right was a bit of a paper tiger," said Max Coleman, chairman of the Human Rights Commission, a violence monitoring group here. "I still think they are overrated and don't represent a major threat to the transition."

While that remains the conventional assessment, the Hani assassination has triggered fears that, as the multi-party negotiations move South Africa ever closer to a nonracial democracy, white extremists will become increasingly active.

Another concern is that black groups will lash out at whites in retribution for Hani's murder, creating a cycle of vengeful racial violence that could poison the political transition.

Leaders of both races reiterated their appeals for restraint Monday as sporadic episodes of stonings, lootings, protest marches and vehicle burnings continued to put the country on edge. In the most serious incident, three blacks were killed and four police were injured in an attack on a police vehicle in the black township of Kwanobuhle.

Already, many of white extrem-

ist groups routinely threaten civil war. "At this stage, we are still hoping for peace," said Koos Vermeulen, head of the Pretoria-based World Apartheid Movement, which has offered to pay Walus's legal expenses. "But if they are going to take away our land, our language and our culture, we must prepare for total war."

Vermeulen said he believes the only solution for South Africa is for blacks to live in tribally based, economically backward homelands, similar to the 10 already established under apartheid, and for whites to retain political control of the economically productive areas of the country.

"Blacks would have a right to vote in their homelands, but if they want to live in the areas where whites have created wealth, then they must obey (us)," Vermeulen said.

Other white right-wing groups take a slightly different view, calling for the creation of a new white state within South Africa of varying sizes and descriptions. Many of the groups' members are devoutly anti-communist and religious fundamentalists, and almost all are Afrikaners—the descendants of Dutch, German and French Huguenot settlers who created their own language and culture here beginning in the 17th century.

Afrikaners, who live nowhere else in the world but South Africa, consider themselves a chosen people. While the vast majority are not members of fringe groups, many of those who are say they are willing to die to preserve their way of life.

L.A. Copying Miami's Failures At Rebuilding After Riots

By Miles Corwin

LOS ANGELES TIMES

MIAMI

Twelve years before Rodney G. King, there was Arthur McDuffie.

As in the King case, there was a chase. McDuffie, a black motorcyclist, led police on a high-speed pursuit through the streets of Miami. There was a beating. McDuffie died after police struck him repeatedly with heavy flashlights and then tried to cover up it up by staging an accident scene.

There was a trial — before an all-white jury after a change of venue out of Miami — that ended in the acquittal of four police officers. And there were devastating riots that lasted three days, claimed 18 lives and caused \$100 million in damage.

Then there was the aftermath.

Miami was not able to substantially improve conditions in its inner city, defuse racial tensions or greatly improve police relations with the African-American community. The problems continued into the 1980s, and Miami ended up enduring three smaller-scale riots.

Now, as Los Angeles awaits the verdicts in the federal trial of officers accused of violating King's civil rights, many community leaders wonder if Southern California can learn from Miami's mistakes.

The parallels between the two cities are striking.

In both cities, massive immigration — of Asians and Central Americans in Los Angeles, Cubans and Haitians in Miami — has contributed to new social tensions. The riots of 1965 in Watts, 1980 in the Liberty City and Overtown sections of Miami, and 1992 in Los Angeles all were triggered by police encounters with minority residents.

Each instance produced studies and reports calling for the revitalization of inner-city neighborhoods as the solution to underlying problems. Yet massive doses of national attention and federal aid has frequently failed to prevent renewed violence.

Such a history raises a host of complex, unsettling questions for local and national leaders: Why have Los Angeles and Miami been unable to change course despite experiencing major riots? How can the cities learn from each other? Will attention focused on Los Angeles in the aftermath of last year's disturbances result, finally, in an effective national policy that attacks the underlying causes of urban unrest?

"Los Angeles should look very carefully at what happened to Miami in the years after the McDuffie case," said H.T. Smith, a Miami lawyer and activist in the African-American community.

"Because if L.A. doesn't learn from Miami's lessons, one thing will happen for sure: The city will burn again."

Miami offers a model of failure as Los Angeles attempts to rebuild its inner city, civil rights activists say. During the 1980s, much of the money targeted to rebuild riot-torn areas of Miami was spent on projects outside these neighborhoods and did not benefit inner-city residents, said Johnnie McMillian, president of the Miami-Dade branch of the National Association for the Advancement of Colored People.

Shortly after the Miami riots, President Carter established a federal task force to devise an economic recovery plan for the city. As in Los Angeles today, local, state and federal agencies as well as area business leaders were expected to coop-

erate in rebuilding the city's hardest-hit neighborhoods.

The Miami Chamber of Commerce raised several million dollars to create jobs and build a business assistance center. A state-created revitalization board played a key role in opening Miami's first black-owned bank. And federal Small Business Administration money was made available.

But, according to studies, most of the efforts fell far short of their goals.

"The impact of the SBA loans during the year following the riot was to facilitate the re-establishment of numerous businesses affected — but not in Liberty City," according to a book on the 1980 riots co-authored by Marvin Dunn. "Indeed the real impact ... seems to have been to help drain riot-damaged businesses away from Liberty City rather than to keep them there."

Dunn, a psychology professor at Florida International University, said he sees Los Angeles heading down the same flawed path.

"If (Miami) took every new job that has been created for blacks since 1980, it wouldn't amount to more than 500, yet we raised millions of dollars to try to do just that. We tried some of the same things that you are now talking about in L.A. ... Your ills are not going to be cured that way."

The key question, many experts say, is whether cities such as Los Angeles and Miami — and the national government — have the political or moral will to undertake the enormous efforts needed to eliminate the causes of urban unrest. Many are pessimistic and see the costs of years of neglect in a new generation of troubled inner-city youths.

Abortion Restrictions to Come Under Legislative Attack

By Timothy M. Phelps
NEWSDAY

WASHINGTON

A majority of Americans, when asked, say they support Roe vs. Wade, the 1973 Supreme Court abortion decision that has led to virtual guerrilla warfare over the meaning of life.

But an even larger majority of Americans say in poll after poll that they endorse a different Supreme Court decision last year that upheld Roe but also upheld the states' right to place restrictions on abortion.

That consensus, the product of 20 years of legal wrangles and the anguish of three essentially anti-abortion Supreme Court justices, is about to be challenged by the Clinton administration and the Democratic leadership in Congress.

The attack on abortion restrictions is being pressed simultaneously on several fronts. Legislation to make abortion a federal right, beyond the reach of the Supreme Court or the states, is already wind-

ing its way through the House and Senate. So is another bill to make blockades of abortion clinics a federal crime.

The Clinton administration also has served notice that it will attempt to eliminate the congressional prohibition of federal financing of abortions for poor women and is expected to include coverage for abortion in its national health care proposals due in May. At the same time it has decided to allow abortions to be performed in military hospitals and to fund international population planning groups that support abortions.

Some congressional moderates on the abortion issue fear the proposals may go further than what Congress and the American people will support. Yet compromise may be difficult to achieve, because some abortion rights groups, including the National Organization for Women and the American Civil Liberties Union, have said they will oppose the legislation if it contains any restrictions designed to appease

moderates.

Freshman Rep. Rick A. Lazio, (R-N.Y.), is typical of an emerging group of Congress members who call themselves abortion rights supporters but back some restrictions. Congressional staffs say this group is critical to passage of the abortion rights program.

"The purists' argument is: Why compromise? Let's fight the fight; let's fight for unrestricted abortions," Lazio said. "I don't believe that's what the American people want or the vast majority of people who believe in choice want."

Lazio opposes federal funding of abortions for poor women except in cases of rape, incest or danger to the life of the mother. He supports the proposal to put the right to an abortion in federal law, but believes the states should be allowed to require a minor to notify a parent before obtaining an abortion and to require that a woman wait 24 hours after scheduling an abortion and receiving information about alternatives.

OPEC Searches for Response To Proposed U.S. Energy Tax

By Mark Fineman
LOS ANGELES TIMES

MANAMA, SAUDI ARABIA

Far from the Clinton administration's closed-door budget strategy sessions, the world's most powerful oil producers are trying to close ranks and map a response that could send the price of American gasoline soaring several years from now.

The producers are upset over the potential impact of President Clinton's proposed energy tax if it reduces demand for their only marketable commodity — crude oil.

"If this tax is imposed," the Persian Gulf states "will curb oil exports and development of production facilities," Youssef Shirawi, Bahrain's minister of development and industry, declared after he and his counterparts first met on the issue last month in Saudi Arabia.

The gulf states produce more than half the world's oil and control two-thirds of its 1-trillion-barrel reserves. Such a cutback in their development and exports could almost double oil prices by the end of the century, Shirawi and oil industry experts said.

But there is at least one big problem: In the shifting currents of international oil and the politics of the gulf states, there is neither the unity nor the shared will to do much more than protest loudly against the tax.

The 13 OPEC members and

other independent oil states are scheduled to meet Tuesday in Oman's capital, Muscat.

There, some members hope to shape a strategy to combat proposed energy taxes both in America and Europe. Kuwait's oil minister describes the session as "probably our final chance" for a unified stand against the levies.

But the oil ministers who will attend the session concede that, on oil prices, the United States and the West now appear to hold all the cards.

This is a dramatic change for Americans, who recall the long gasoline lines, spiraling oil prices and political frustration that accompanied OPEC's drastic price increases in the 1970s.

The energy tax also illustrates one of Washington's favorite buzzwords — world economy — because a proposal that may add 10 cents a gallon to U.S. gas prices could have global repercussions.

The current debate, analysts say, also underscores a transition in Washington, where, after 12 years of Republican administrations that kept oil and gas prices low, partly by favoring the industry's foreign suppliers, there is now a Democratic administration raising taxes in hopes of repairing the American economy and cleaning up the environment.

Many in this region fear that the

proposed energy tax foreshadows policies that may erode the reservoir of good will won by the United States with the liberation of Kuwait and defense of the gulf's oil-rich states two years ago.

"This is very possible," said Ali Ahmed Baghli, the oil minister of Kuwait, a nation grateful for and dependent on the U.S.-led military coalition that drove Iraq from the oil-rich emirate and continues to safeguard its borders and its oil. "Of course, we are allied. We should not confront each other over this issue. But, still, due consideration to every party's interest should be given.

"If you remember, Saudi Arabia and us, we were the cause of putting prices down," he said. "Iran and Libya and those revolutionary countries, they were asking for higher prices. And now, instead of saying, 'Thank you,' treating us this way, it's not fair."

While America's oil-producing Arab allies have not yet reacted harshly to the proposed Clinton energy tax, he noted that they could — in the worst case — sharply increase the cost of oil and reduce their development programs, affecting future oil prices. They also could reduce their contributions to social welfare programs throughout the gulf, potentially adding to instability in the region.

Waco Group May Not Surrender Until 'Cataclysmic Events' Occur

By Stephen Braun
LOS ANGELES TIMES

WACO, TEXAS

Despite the delivery of a second letter written by David Koresh in the name of God, federal authorities said Monday that the sect leader now waits for a heavenly sign in the form of an earthquake or another natural disaster before he will agree to surrender.

As the standoff entered its seventh week, a senior FBI official on the scene said it appeared increasingly remote that Koresh and 95 members of the Branch Davidian sect would peacefully leave their fortified compound after the end of their Passover celebration on Tuesday or Wednesday. Authorities had last week raised hopes that the two events might be linked.

FBI Special Agent Bob Ricks said that in 15 conversations over the weekend with Koresh aide Steven Schneider, negotiators were told that the cult leader awaits both

verbal signs "from God" and "certain cataclysmic events to take place, either fire, earthquakes, or other events of that nature."

Ricks added that if the end of Passover was once "significant to their coming out, it seems to be that they're downplaying that significance now." According to authorities, the Branch Davidians celebrate Passover, and not Easter, because of its prominence as a rite celebrated in the Old Testament of the Bible.

The Branch Davidians appeared to become "very excited" by reports of a minor earth tremor last week in South Texas, Ricks said. Their interest apparently waned when they learned the quake had no impact in the Waco area.

"They were hoping it was a lot closer to here, that it would affect us," Ricks said.

The second letter written by Koresh was delivered at 3:30 p.m. Saturday in similar fashion to another communication given to federal

authorities Friday. Schneider left the letter outside the compound after emerging from the door following a brief telephone conversation with negotiators. Federal agents protected by a Bradley personnel carrier then retrieved the missive.

Declining to detail the exact contents of the letter, Ricks said that it was again loaded with warlike passages from the Bible. It also threatened that "if we do not listen to Koresh we will be devoured by fire or destroyed by other means."

The communication also contained a warning to authorities not to hurt Koresh. "Please do not hurt my Lamb," Ricks said the letter warned.

The letter was signed "Yaweh Koresh." The first name is a Judaic term for God frequently found in the Old Testament.

Ricks said that at least two women in the compound are pregnant, one due in May.

Black Protesters Killed, Whites Burned to Death

THE BALTIMORE SUN

JOHANNESBURG

Black protesters were killed in clashes with police and two whites were burned to death Sunday in a backlash to the assassination of Chris Hani, one of the heroes of the black liberation movement.

A third white man was beaten and had part of his tongue cut off, police said.

As the country teetered on the edge of a much larger explosion of violence, the African National Congress, accused security officials of ignoring requests for special protection for Hani.

But the ANC, its political allies and the government urged calm and said Hani's death should not derail their negotiations aimed at achieving black equality.

"It is blatantly clear to everyone that Comrade Chris Hani's murder was politically motivated," said Cyril Ramaphosa, secretary-general of the ANC, the main black political group.

"In fact the untimely death of Comrade Chris Hani should act as a catalyst for negotiations," he said. "He wanted the conflict in this country to be resolved through negotiations."

Hani, 50, was especially influential among young, black militants who are mistrustful of the black-white political talks. Unlike the ANC's old guard, the young blacks have not ruled out armed insurrection as a means toward black rule.

Clinton Publicly Bashes Senate GOP, Privately Hopes for Deal

LOS ANGELES TIMES

WASHINGTON

President Clinton accused Senate Republicans holding up his \$16.3 billion stimulus plan of wanting "more people to stay out of work," while administration officials acknowledged they almost certainly will have to compromise with the Republicans and sacrifice some of the plan's spending provisions to keep the measure alive.

Turning up the political heat on an issue that has developed into a major test of wills, Clinton used the occasion of the annual children's Easter Egg roll on the White House lawn to mount a sharp attack on the Senate Republicans.

"Look out there at those kids," said Clinton, "they are the hostages" of the Republican action. The stimulus plan includes \$300 million that would be used to begin immunizing one million children nationwide this summer.

Behind the public war of words, however, administration officials said Clinton knows it will now be extremely difficult, if not impossible, to win approval for his entire stimulus package. "I think he (Clinton) views it as a high probability that we won't get the whole thing," said one White House official.

In fact, Clinton's remarks Monday reflected a two-track strategy of bashing the Senate Republicans in public while trying to make a deal with them in private, a senior administration official said.

Clinton Expected to Be Tough On Trade in Talks With Miyazawa

THE WASHINGTON POST

WASHINGTON

When President Clinton meets with Japanese Prime Minister Kiichi Miyazawa later this week, he will be in the position of the judge who has rendered the verdict before hearing what the witness has to say.

At his news conference last month, Clinton was asked how he felt about Japan's stubborn trade surplus with the United States and what he said seemed to leave little room for diplomacy.

"The persistence of the surplus the Japanese enjoy with the United States and with the rest of the developed world can only lead one to the conclusion that the possibility of obtaining real, even access to the Japanese market is somewhat remote," Clinton said.

The words struck home, said one senior Japanese official. "That's the kind of remark we're very much concerned about," the official said, contending that Clinton does not have his facts straight on this issue.

Miyazawa will bring with him a new government spending program intended not only to lift Japan out of its recession by raising consumer and business demand, but also to stimulate the purchase of foreign goods, putting a dent in Japan's trade surplus. The new stimulus package, reportedly on the order of \$110 billion, is to be announced Tuesday.

Serbs React to NATO Air Patrols By Shelling Srebrenica

LOS ANGELES TIMES

SPLIT, CROATIA

As NATO warplanes took to the skies over Bosnia-Herzegovina on Monday to begin enforcing a no-fly zone, rebel Serbs immediately underscored the limited muscle of the mission by turning their heavy artillery on the town of Srebrenica, killing 35 civilians.

Another 68 people were wounded in what U.N. Protection Force spokesman John Mills described as an intense, hour-long barrage that took a particularly heavy toll among players at a school soccer field.

Serbian tanks and mounted guns on the hills surrounding Sarajevo also unleashed the heaviest assault on the Bosnian capital in weeks, Mills reported from U.N. headquarters in Zagreb.

From airbases in Italy and the decks of carriers in the Adriatic Sea, fighter pilots of three nations launched Operation Deny Flight, NATO's first mission outside the territories of its member nations.

The American, French and Dutch pilots, returning after weaving through glowering clouds over Bosnia, said there was no sign of the Serbian planes and helicopters that have routinely defied the United Nations' no-fly order in recent months.

One accident marred an otherwise smooth first day of enforcement. A French Mirage fighter suffered mechanical failure and ditched in the Adriatic. The pilot ejected safely and was rescued by a helicopter, said officials at the NATO coordination center at Vicenza in northeastern Italy.

They ruled out hostile action as cause of the crash.

OPINION

After 50 Years, Holocaust Still Matters

Column by Michael J. Franklin
CONTRIBUTING EDITOR

I had considered not writing a column on the Holocaust this year. It is a morbid topic and the events and statistics of 50 years ago are difficult to make meaningful today. Moreover, it seems that beyond a few students, no one at MIT really cares.

"Why should I write a column this year?" I asked a friend a few days ago. "It seems that no one cares."

"I care," he responded. "Not all of my family made it out of Europe." He went on to explain that people are becoming insensitive to the horrors of mass destruction. Frequent news of deaths in Iraq or Kuwait, or of killings and rapes in the former Yugoslavia, numbs the mind to any individual act and blurs the distinctions between atrocities in the past and those in the present.

The actions of the Germans were the culmination of centuries of Christian and German anti-Semitism. The propaganda produced by the Nazis was accepted by the populace partly because it was what they were familiar with: the Jews diluted the German nation, caused the German defeat during the First World War and sought to rule the world. To purge the nation of tainted blood, to make Germany as strong as it once was, Hitler was determined to resolve the "Jewish Question."

Slowly but inexorably the Jews were deprived of their rights and their property both in Germany and the conquered nations. Jewish children were denied access to public schools, parks were closed to Jews, they were prohibited from using public transportation and owning private businesses. But Hitler's "Final Solution" called for further action — not just to separate the Jews, but to eliminate them entirely.

As regular German troops invaded and conquered territories, special forces called *Einsatzgruppen* followed to purge the area of Jews. Town by town, village by village, person by person, Jews would be gathered, stripped of their possessions and machined-gunned into a pit. Slow but methodical, this process killed nearly 2 million Jews before a single concentration camp was open.

In cities with large Jewish populations, ghettos were constructed and filled to overflowing as Germans herded more and more people into the area. Relief came only through death by starvation or disease, or by "resettlement" into forced labor camps further east. Few initially knew the real reason for these camps — the German command seldom issued explicit orders, and the stories told by the few escapees were not easily believed. Eventually other governments learned of the massive killings, but chose to take no action.

There was little hope for those that could escape. Few countries were willing to accept large numbers of grimy refugees, and fewer still were willing to accept Jews. Boats of refugees were turned away and Allied bombers which could have destroyed the death camps did not. Pleas for help went unheeded as the Allies focused on killing, rather than saving lives. Even as the war rumbled to a close, the Germans diverted important war resources to the process of killing Jews.

Why does it matter that millions of Jews died far across the Atlantic, 50 years ago? It is certainly of great concern for the survivors and their culture, diminished by the loss of so many lives. And for those of us in the present, who did not lose relatives or suffer from Nazi terror, the tragedy serves as an example of a nation enflamed with age-old prejudice which acts on that prejudice, and of a global society that watches, but does not act to save, the victims of that prejudice. The hope is that the world would learn from its mistakes, and intervene when necessary to save lives.

A year ago, I could have written that last paragraph with some enthusiasm and a vague hope that I would never see a situation fitting that description. But as the war in Bosnia increases in ferocity, I see that the society in which we live cares no more about the victims of deadly prejudice now than it did 50 years ago. As the western governments ignored and suppressed information about the death of Jews in Europe, so now are western governments ignoring the evidence of "detention centers" and "ethnic cleansing" in Yugoslavia.

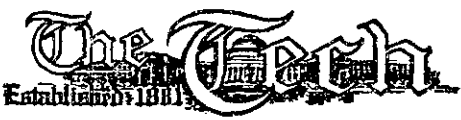
By no means could I write that what is

happening in the former Yugoslavia is even a shadow of the Holocaust against the European Jews. They are separate and distinct and the lives that are destroyed are those of individuals in differing circumstances that cannot be statistically compared. To simply fold them together under a heading of "atrocious, western" mindlessly compares the virulent Nazi ideology with that of a regional conflict. This comparison denies each tragedy's uniqueness and diminishes if not obliterates the importance of anti-Semitism in the former. They are not the same.

While most of us in these violent times are content to glance at the paper, or even to write a column, it seems that some people care enough to act. An article in *The New York Times* several months ago reported that one relief effort in the Balkans had met with success. This effort, supported by a number of Jewish organizations, had managed to get Jews out of besieged cities without the loss of life.

While other organizations and countries posture and proclaim, while cease-fires are signed and broken, while men are killed and women are raped, one group is saving lives. So successful was this effort, reported the *Times*, that "becoming Jewish" had entered the local slang as a synonym for escaping. People who had never considered themselves Jewish searched for proof of a Jewish grandparent to allow them to escape — an ironic contrast to half a century earlier, when such proof meant death.

This year, Yom HaShoah — Holocaust Remembrance Day — falls on Sunday. The events at MIT will be held on Thursday to commemorate the 50th anniversary of the Warsaw Ghetto uprising. In Lobby 7 and other sites across the country, people will read the names of some of the victims of the Nazis. Some may be relatives — distant or close — while most will be ordinary people, all killed simply because they were Jewish. The day will pass and life for us will go on, but on that day, remember the millions who died, the very few who tried to save them, and for a change, take more action than simply reading the headlines.



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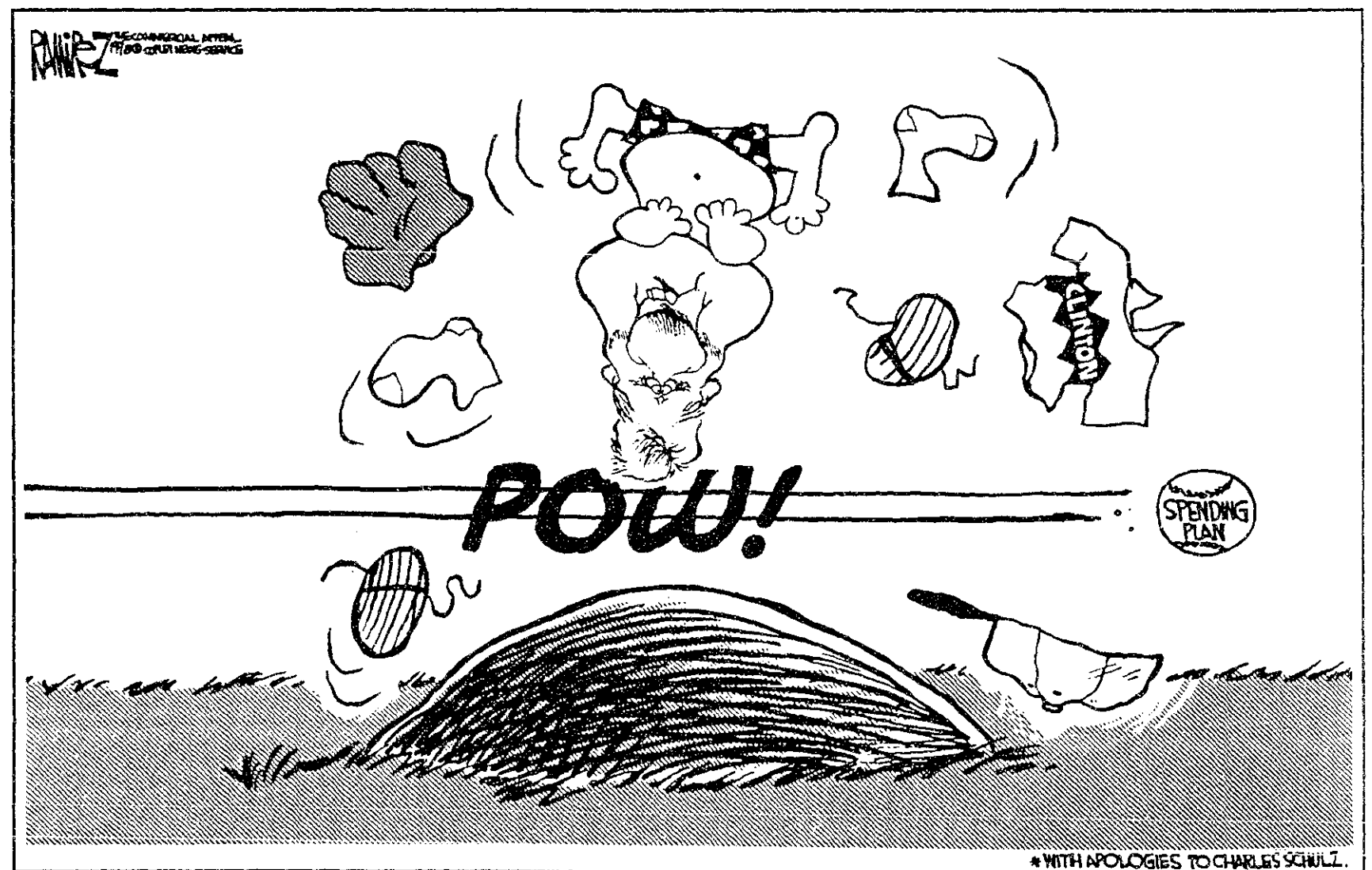
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Columns and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper.

Letters to the editor are welcome. They must be typed, double-spaced and addressed to *The Tech*, P.O. Box 29, MIT Branch, Cambridge, Mass. 02139, or by interdepartmental mail to Room W20-483. Electronic submissions in plain text format may be mailed to letters@the-tech.mit.edu. All submissions are due by 4 p.m. two

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

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ANNOUNCEMENT:

The date and time of
the reading from 14RUNE
have been changed to

**Thursday, April 29
7:30 pm**

Bartos Theater of the MIT Media Lab
20 Ames Street
Cambridge, MA

For more information, contact
Leelila Strogov at 225-1527

Concerned about the calendar?

To get a copy of the Report and find out more:

Come to the UA Office (Student Center 401)

Here's your chance to express an opinion:

UA Council Meeting

7 PM, April 26, 1993, Twenty Chimneys

A Special Calendar Forum

7:30 PM, May 6, 1993, 6-120

To get involved:

Contact Shally Bansal or Raaj Chitaley in the UA Office (x3-2696).

Radiation Science and Medical Applications Technology

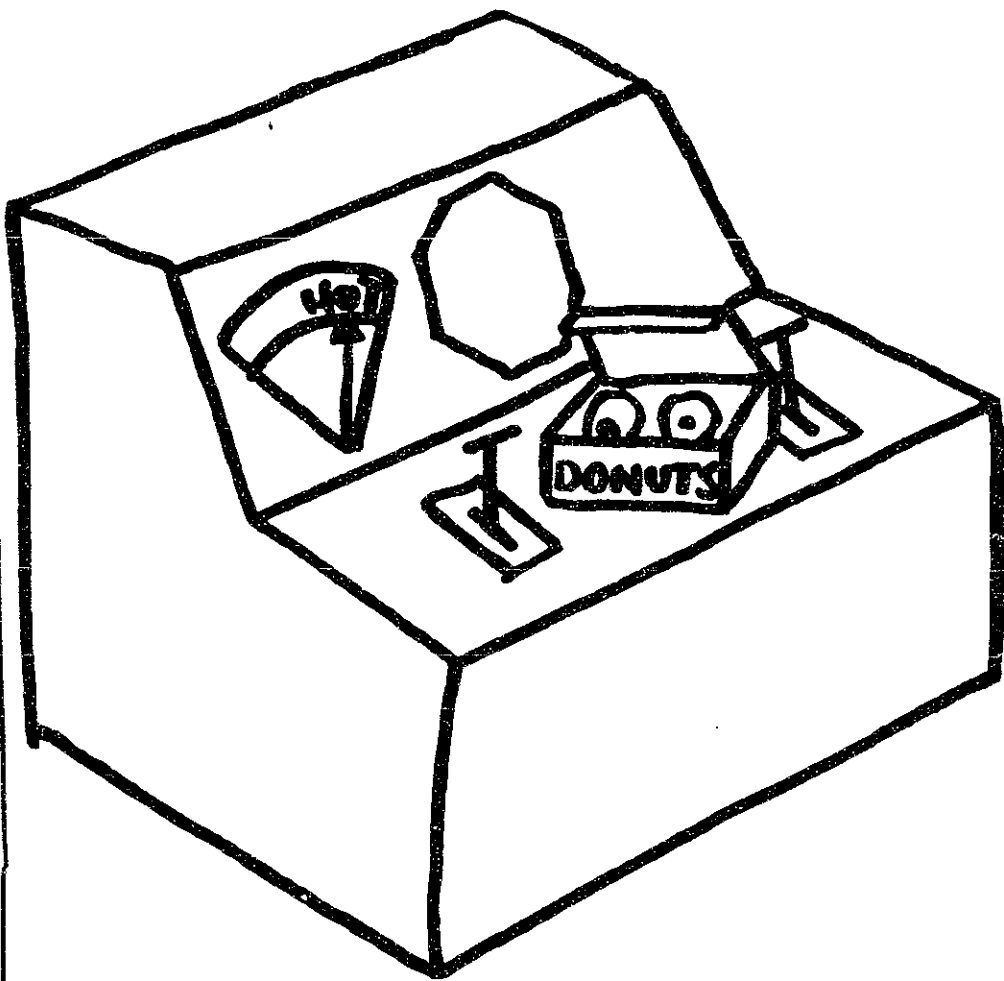
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Energy Economics and Policy

Nuclear Physics

Nuclear Fuel Cycle Technology

THE ARTS

21-year-old Fringe still plays on frontiers of jazz

THE FRINGE
Willow Jazz Club.
April 9.

By Dave Fox
STAFF REPORTER

Local jazz trio the Fringe, giants of the Boston jazz scene, celebrated their twenty-first anniversary with a pair of performances at the Willow Jazz Club in Somerville this past weekend. As you might expect after twenty-one years, the Fringe's individual members are so aware of each other's playing that their music is extraordinarily cohesive, even in the midst of a three-way improvisation, and they always have something new to say with their music.

Consisting of saxophonist George Garzone, bassist John Lockwood, and drummer Bob Gullotti, the Fringe concentrate on making music at the absolute frontiers of jazz. Specifically, they do not play standards or pre-composed "tunes"; rather, one member will begin playing, and the others will join in with their own interpretations of the prevailing mood. The lack of a piano, guitar, or any other "chord" instrument opens up the tonal possibilities immensely, and the formidable technique of each of these musicians allows them to exploit this freedom to an amazing degree.

Garzone, who plays tenor and soprano saxes, is what I would term a "saxophone player's saxophonist." He divides his time between teaching at the Berklee College of Music, collaborating with such artists as John Patitucci, Bill Evans, Joe Lovano, and Dave Liebman, and maintaining an imposing presence on the Boston jazz scene with the Fringe

and other groups. In spite of his towering achievements, Garzone remains open and friendly to his students, his admirers, and aspiring musicians.

John Lockwood and Bob Gullotti are equally accomplished musicians. Lockwood has played and recorded with such diverse artists as Nick Brignola, Pharoah Sanders, Freddie Hubbard, and Sonny Stitt. His bass playing focuses on the "core" of the music, rather than the surface, allowing him to adapt to different musical styles and settings. Similarly, Gullotti approaches the drums with a great deal of emotion, allowing him to weave a perfectly appropriate percussive background behind the two tonal instrumentalists no matter where the music leads them, and also allowing him to perform dramatic drum solos. He has played and recorded with a wide variety of artists, including Jerry Bergonzi, Richard Beirach, Steve Turre, and Miroslav Vitous.

When Garzone, Lockwood, and Gullotti get together as the Fringe, intense, thought-provoking music is the guaranteed result. Friday evening was a case in point. The Fringe opened with a thirty-minute piece, which Garzone began on soprano sax with Gullotti adding cymbal accents. Garzone's playing was flawless as he let the music flow, from sort of somber to rather lively. At the appropriate point in the music, Lockwood entered with an understated bass line. By this point, Garzone had already dazzled the sax players in the audience (including yours truly) with highly technical playing that was also very musical. (These attributes do not necessarily go hand-

in-hand!) When Garzone had had his say, he turned the spotlight over to Lockwood, who offered a bass solo that was a good response to the soprano sax statement. Garzone then came back in and pulled all the stops out, offering an extended solo featuring good use of the entire range of the horn, from shuffling low notes to screaming *altissimo* notes. This led to another bass solo, more technical (but no less musical) than the first. Lockwood's playing was fast, perfectly in tune (often not the case with many upright bass players), and used the entire length of the fingerboard, including single-string jumps of more than an octave.

This was truly magnificent bass playing of a sort not often heard.

Lockwood's bass solo gave way to a wonderful drum solo by Gullotti, using brushes. He put a lot of energy into the solo, using the brushes in a very rapid manner. This put the crowd on edge, as evidenced by the big ovation at the solo's completion. At this point, Garzone and Lockwood entered simultaneously, and the trio gradually resolved the piece into a sort of coordinated jazz hook, alternating with more free sections. This further resolved into the ending of the piece.

The music continued in this fashion throughout the evening, covering many styles and feelings, from calypso to hard bop to styles that cannot be categorized. This was marked with wonderful improvisation, with Garzone in particular showing a clarity of thought and ability to continually come up with fresh ideas, reminiscent of Sonny Rollins in the

1950s (although Garzone's sound is his own).

Near the end of the evening, the Fringe displayed their playful side in a very humorous incident. During an improvised piece, Garzone with his wireless-mike-equipped tenor sax gradually made his way to a room at the back of the club, and shut the door, while still playing. After a few moments (with strains of Garzone's sax filling the club), Lockwood and Gullotti exchanged glances. Gullotti grabbed one cymbal and stand, Lockwood unplugged his bass from his amp, and both made their way to the back room. The crowd was then treated to the trio all playing through Garzone's mike — from a room with the door closed! Not to be outdone by the trio, the mostly young audience decided that turn-about was fair play, and so one by one they all went out into the street. When the Fringe emerged from the room, Garzone commented, "They all left!," and so the trio joined the audience in the street (at 12:30 a.m.!). Of course, everyone filed back into the club, and the Fringe concluded the piece with some humorous licks. The laughter in the crowd and the trio went on for several minutes, reflecting the unique nature of this incident (bordering almost on performance art!).

The Fringe performed two sets of extreme cutting edge jazz appropriate to their name, filled with consummate musicianship and improvisational skills not often heard. This music is not for everyone, but to true lovers of improvisation or sax, bass, or drums partisans, the Fringe is a must-hear trio. Fortunately for Boston jazz fans, the Fringe hold forth at the Willow Jazz Club every Wednesday night. They are absolutely worth hearing.

it's time for THE FRINGE

ON THE SCREEN

— BY THE TECH ARTS STAFF —

- ★★★★: Excellent
- ★★★: Good
- ★★: Mediocre
- ★: Poor

★★★★ **Aladdin**

Never less than enormously entertaining, Disney's latest animated delight is a hilarious musical adventure based loosely on the Arabian Nights tale of a peasant boy and a magical lamp. Thanks to the vocal talents of comedians Robin Williams and Gilbert Gottfried and clever animation by Disney artists, this is probably the funniest animated film ever, but it never loses sight of the exuberant sense of wonder that permeates all of Disney's best works. And with a breakneck pace and an abundance of wonderful images, only a second viewing reveals most of the background gags and beautiful artistry that went into producing this absolute pleasure. —Chris Roberge. *Loews Copley Place*

★★★★ **The Crying Game**

Neil Jordan's story of an IRA terrorist (Stephen Rea) is a remarkably well-written piece of work that at first seems to follow its

protagonist in aimless yet intriguing directions, but eventually reveals itself to be a perfectly structured look at violence, race, love, and sexuality. Rea is ordered to guard a kidnapped British officer (Forest Whitaker), but he begins to care for the hostage and later flees to London, where he meets the officer's girlfriend (Jaye Davidson). The two halves of the film, which contain some completely unpredictable plot twists, become mirrors of one another, reflecting how understanding and compassion may be a means of salvation. —CR. *Loews Harvard Square*

★ **Falling Down**

When Michael Douglas cracks under the pressures of society and lashes out with violence and rage, his actions should provide the basis for an intense and important movie, but this is an inane attempt to comment on the problems of America today, a thriller that is laughable at best, and a film that deserves to be deplored for the enjoyment it derives from the violence it claims to be critical of. Rather than strive for scathing realism, the story bloats into a ludicrous cartoon by portraying all of Douglas' victims as caricatures that offer mostly

comic relief. And Douglas is really nothing more than a psychotic control freak, not a normal person the audience can feel empathy towards. —CR. *Loews Cinema 57*

★★★½ **A Few Good Men**

Nearly every element of director Rob Reiner's adaptation of the military murder/courtroom drama clicks into place with the efficiency of a finely tuned machine designed to churn out entertainment. Sure it's unoriginal, but it's also extremely effective. The performances by Tom Cruise and Jack Nicholson are stirring, and the photography, with crystal clarity and frequent symmetry in its images, is polished until it shines. For the officers in the story, precision leads to tragedy, but for the film it leads to a triumph of sorts. —CR. *Loews Copley Place*

★★★ **Fire in Sky**

The supposedly true story of logger Travis Walton's (D. B. Sweeney) 1975 abduction by humanoid aliens is the basis for this very interesting and unique film. Intentionally produced like a dramatized documentary to make the story more believable, the movie uses the

characters real names, shies away from fancy special effects, and uses no celebrity actors other than James Garner. The prospects of Walton's claims being true is as fascinating and entertaining as fiction. —John Jacobs. *Loews Copley Place*

★★★½ **Groundhog Day**

Phil Connors (Bill Murray) is an arrogant, self-centered weatherman for a Pittsburgh television station who is sent to Punxsutawney, Pa. to cover the annual Groundhog Day festival. All is well until Phil wakes up the next morning to find that first, it is Groundhog Day all over again, and second, he is the only one who realizes it. Phil soon recognizes that no matter what he does there are no consequences for his actions, and he therefore aims to try anything he can think of. Credit is due to director Harold Ramis who manages to keep the premise fresh through hundreds of repeated Groundhog Days. This is one of the freshest comedies to come out in recent memory. —Douglas D. Keller. *Loews Cheri*

★★★★ **Howards End**

The filmmaking trio of James Ivory, Ismail Merchant, and Ruth Praver Jhabvala have translated E. M. Forster's novel of class struggles in 20th century England into a brilliant film that is an astonishing achievement. The screen is filled with contrasting elements such as the rich and the poor, the romantic and the pragmatic, and the urban and the pastoral. The alternately funny and moving story considers which group will ultimately inherit the nation. Anthony Hopkins, Helena Bonham Carter, and Samuel West are excellent, and Vanessa Redgrave and Emma Thompson are outstanding. —CR. *Loews Charles*

★★★★ **Unforgiven**

One of the better westerns ever made, David Webb Peopple's story about a retired gunslinger (Clint Eastwood) who agrees to hunt down two men for reward money is a richly written deconstructionist work that relishes its elliptical morality. In this version of the west, "sheriffs" beat men to keep violence out of their towns, "villains" are remorseful for what they've done, "heroes" only feel alive when killing, and no one can be forgiven when no one can really define a sin. Eastwood, Gene Hackman, Morgan Freeman, and Richard Harris are all excellent, and Eastwood's direction has a slowly building pace that allows even the most minor characters and events to be embellished with fine detail. —CR. *Loews Charles*



Frank Watters (James Garner, left) does not believe Travis Walton's (D. B. Sweeney) story of alien abduction in *Fire in the Sky*.

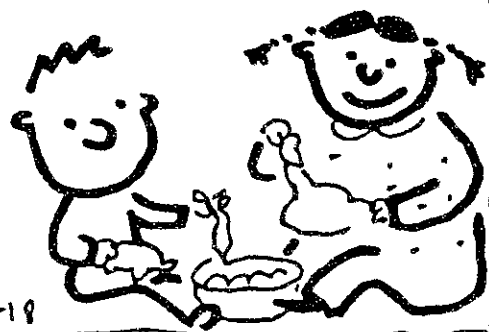
Jim's Journal

by Jim

Today Ruth and I made some things out of paper maché.



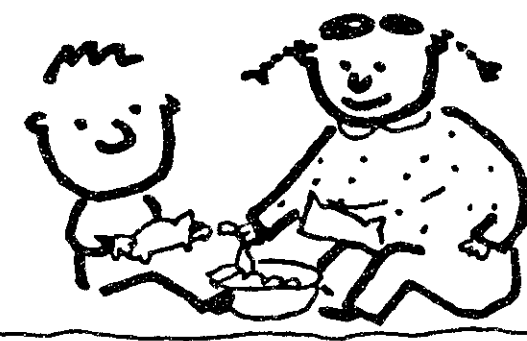
Ruth mixed up a batch of it because she thought it would be fun.



She made a Viking helmet and I made a turtle.



Our hands got coated with the crusty goop.



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Please send résumé to:

Ms. Patricia D. Abate
Director, Human Resources
Andover Controls Corporation
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Andover, MA 01810

MIT Gets 8 Percent Of College Patents

Patents, from Page 1

industry. This is in contrast to many other institutions, which devote large sums of money to patenting research with little commercial potential. In this case, obtaining patents can actually become a money-losing venture.

Patents require time and money

The patent application process usually requires "several years and tens of thousands of dollars," Pressman said. A large portion of this money goes to patent attorneys, who charge \$200-250 an hour.

An MIT inventor who seeks a patent should be prepared to convince the Technology Licensing Office that the invention is new and practical. It must "solve a problem in a different and better way."

The MIT inventor is asked to perform an exhaustive literature search to determine the originality of his solution and how it compares with other solutions.

If the inventor's solution has not been anticipated by others and it is deemed to be new and practical, then MIT hires a patent attorney to convince the U.S. Patent and Trade-

mark Office. The attorney must demonstrate to the patent office that "it would not be obvious for someone else to think of [the same solution]," Pressman said.

The Institute pays for the patent filing and attorneys' fees, and the inventor is eligible to receive approximately one-third of any licensing royalties which may develop. Pressman noted that this policy is in contrast to industry policy, where an employee inventor usually does not receive any direct royalties from his invention.

Over the last decade, there has been a tremendous increase in the number of patents awarded each year to both colleges and industry. According to Pressman, one reason for the renewed interest in new ideas is that they have become more attractive as investments. As the returns from conventional investments in the financial markets have fallen, high-risk investments have become more favorable because of the potential for enormous returns.

Another reason is that some companies have "assumed a more defensive" position, patenting ideas to prevent competition or profit from licensing agreements.



BEN WEN—THE TECH

Bedside Prophets' Chris Foley '92 rocks the house at Thursday's Battle of the Bands in Walker Memorial. Türközü Kööki and Schoolhouse Rock won for Original and Cover categories respectively.

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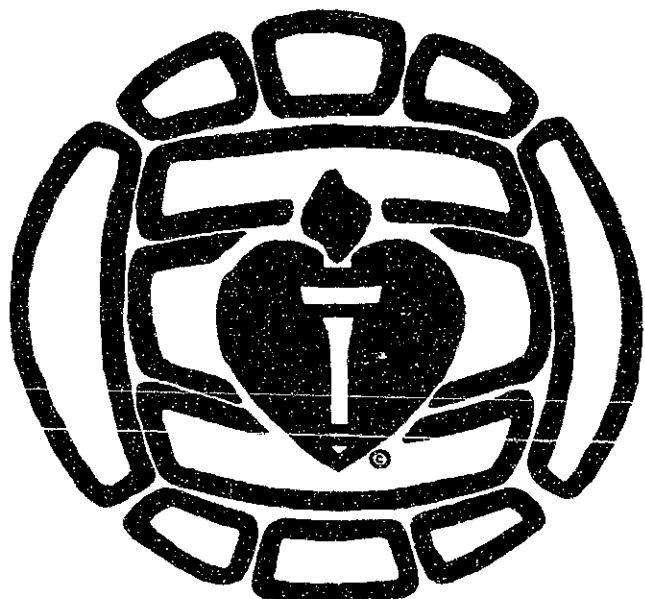
A large petroleum company in the White Plains, NY area has listed a paid summer internship through the I.F. Interns program. Student will work for 2 consecutive summers in the benefits department paralleled by educational training in fundamentals of benefits. Good analytical and communication skills. Research and organizational skills. Basic computer skills a plus. Solid problem-solving skills a requirement.

Call Ann H. Nowak, I.F. Interns Regional Director, for an application. (617) 536-0734

I.F. INTERNS

International Foundation OF EMPLOYEE BENEFIT PLANS 

4th ANNUAL KEITH WHITE MEMORIAL VOLLEYBALL TOURNAMENT AT M.I.T. (A.K.A. THE 1993 BEAVERBALL CLASSIC)



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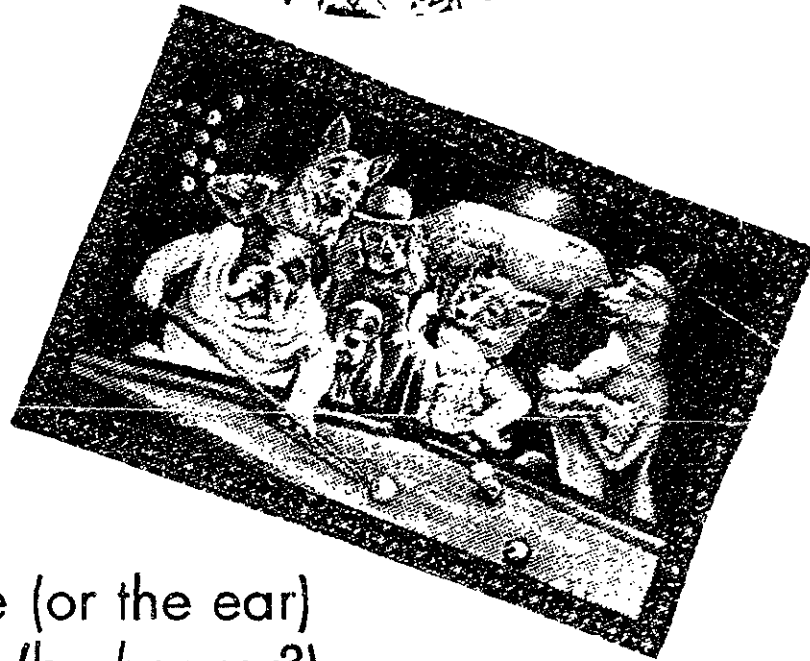
ENTRY FEES TAKEN IN STUDENT CENTER APRIL 19-23

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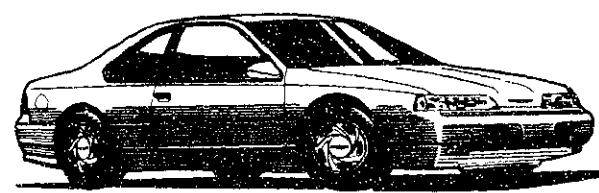
Call 253-2372 for more information or drop by the Office of the Arts at E15-205 to pick up Grants Program Guidelines and Application Forms



Probe



Ranger

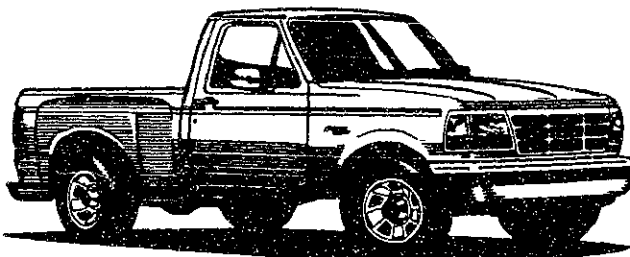


Thunderbird

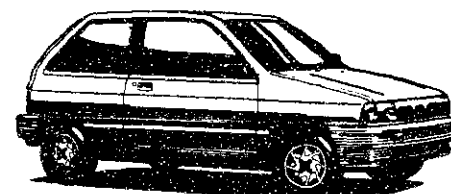
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F-150



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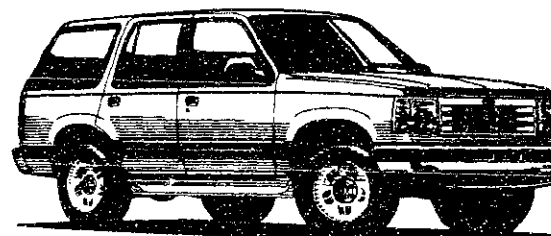
CUM



Aerostar



Tempo

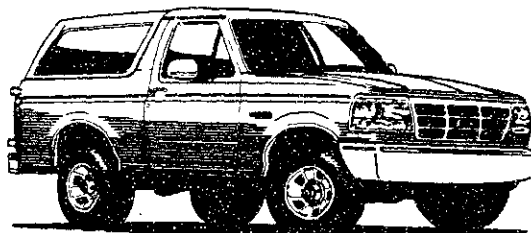


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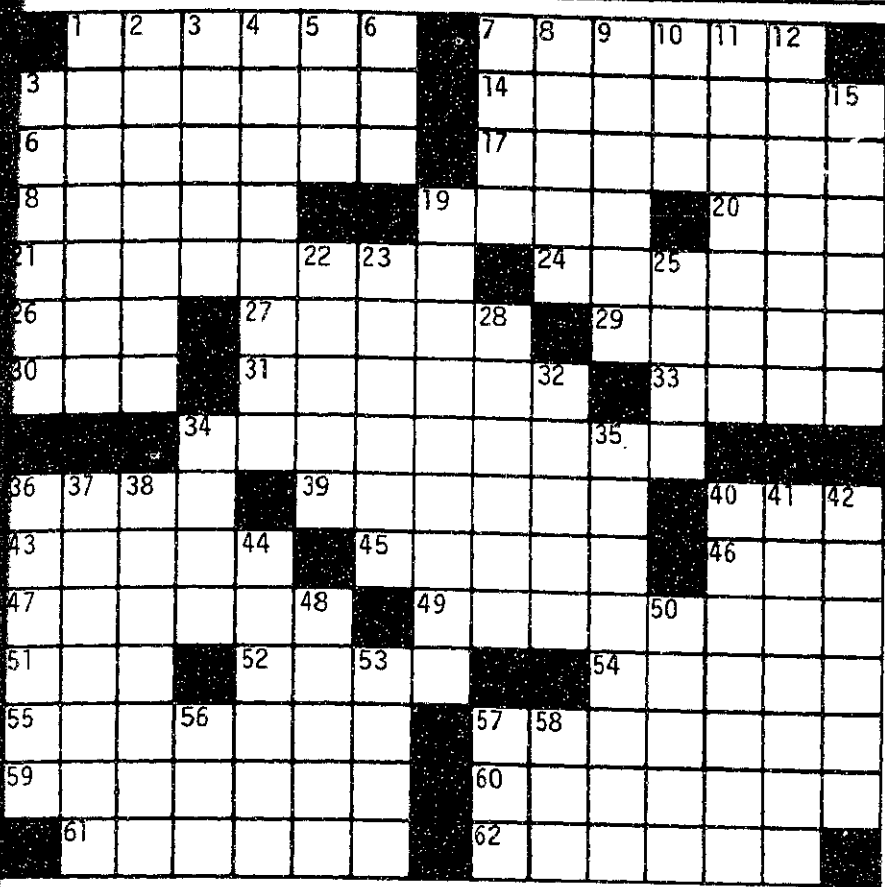
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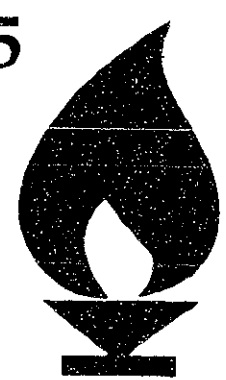
All international students who are interested in applying for either pre-graduation or post-graduate Practical Training should do so as soon as possible. It is currently taking between six and eight weeks to have the application approved by the Immigration Service. Information about the procedures to follow and the documents required are available in the International Student Office (5-106).

- ACROSS**
- 1 Site of 1980 Olympics
 - 7 Abrupt rejection
 - 13 Pass on to another person
 - 14 Spanish or Portuguese
 - 16 Miss Earhart, et al.
 - 17 High-fashion dealer
 - 18 Composer Ned
 - 19 Ward off
 - 20 Workshop item
 - 21 Attractive and cuddly
 - 24 Tarnish, as a reputation
 - 26 Exist
 - 27 Sorrow
 - 29 Distributes, with "out"
 - 30 Compass point
 - 31 Habituated
 - 33 Optimum
 - 34 Certifies, as a college
 - 36 French for islands
 - 39 Prefix for sexual
 - 40 Viper
 - 43 Stop
 - 45 Norway's name for itself
 - 46 — soup
 - 47 — Abdul-Jabbar
 - 49 Secondhand autos (2 wds.)
 - 51 Mr. Gershwin
 - 52 Mongol tent
 - 54 Buenos
 - 55 Surround
 - 57 Component of gasoline
 - 59 Terminates a layoff
 - 60 Moves, as a hairline
 - 61 Hate
 - 62 Pit-removing device
 - 11 Capable of being split
 - 12 Femmes
 - 13 As — night
 - 15 Most up-to-date
 - 19 Uncover shrewdly (2 wds.)
 - 22 1968 NL "Rookie of the Year"
 - 23 Miss Bacall
 - 25 Watch chains
 - 28 Passover meals
 - 32 Funeral hymn
 - 34 South African fox
 - 35 Ballet (2 wds.)
 - 36 More disgusting
 - 37 Scholarly
 - 38 Ailment of swimmers
 - 40 Old song, "I Love —"
 - 41 More placid
 - 42 Tickets
 - 44 Donkey in "Winnie-the-Pooh"
 - 48 Thinks
 - 50 Alluded to
 - 53 Sheet music symbol
 - 56 English course, for short
 - 57 Telephone-dial trio
 - 58 Shoe width
- DOWN**
- 1 Autobiography form
 - 2 Supervise
 - 3 Shoe parts
 - 4 Of the weather
 - 5 Eggs
 - 6 1969 NBA MVP, — Unseld
 - 7 " — of the Ancient Mariner"
 - 8 WWII buy (2 wds.)
 - 9 Deposited in layers
 - 10 Geller of psychic fame

Solutions, page 12

HOLOCAUST MEMORIAL OBSERVANCE

THURSDAY, APRIL 15



MEMORIAL VIGIL

M.I.T. Lobby 7 10:00 am - 4:00 pm
 Exhibit "Artifacts of the Holocaust"
 Reading of Names of the Martyrs of the Holocaust

MEMORIAL SERVICE & PRESENTATION

"The Music of the Ghettos & the Resistance"
 M.I.T. Chapel 5:00 pm - 6:15 pm

Guest Speaker -- Hankus Netsky
 Professor, New England Conservatory of Music & Director, Klezmer Conservatory Band
 The Annual Charles & Frieda Sparrow Memorial Lecture

Sponsored by M.I.T. Hillel. For information call #253-2982
 This year's observance coincides with the 50th anniversary of the Warsaw Ghetto Uprising.

GRADUATE STUDENT COUNCIL

Calendar of Upcoming Events

- Tuesday, April 13 Housing and Community Affairs Committee Meeting
 Rm. 50-220, 5:30 PM
 - Results of the Registration Day campus safety survey

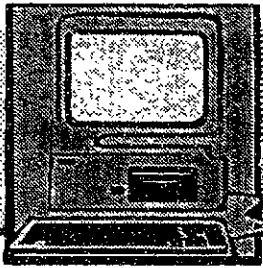
- Wednesday, April 14 Coffee Hour, Rm.50-220, 4:30-6:00 PM
 - How might graduate students be affected by the proposed
 Institute calendar changes?

- Tickets go on sale for the Figuring Skating Exhibition at the Boston
 Garden on April 25

- Thursday, April 15 GSC Full Council meeting, Rm.50-220, 5:30 PM
 - Election of GSC officers (President, Vice President, Secretary,
 and Treasurer) for 1993-94

The GSC Office is located in Rm. 50-222 (directly above the Muddy Charles Pub) and is open from 9:00 AM to 5:00 PM, Monday through Friday. Our phone number is x3-2195. If you wish to be added to the GSC e-mail list, please send a note to <gsc-request@mit>. Questions of a more general nature can be addressed to <gsc-info@mit>.

Did you see that??? Call *The Tech* News Hotline: 253-1541



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 - Cambridge, MA 02142
 - FAX 617-621-6989

POLICE LOG

The following incidents occurred on or near the MIT campus during the period April 2-8:

Apr. 2: New House, assault and battery between two students who know each other; stolen video camera recovered; DuPont Gymnasium, wallet stolen \$135; Bldg. E18, pocketbook stolen \$100; Bldg. E19, files stolen; Bldg. E23, distraught person made threats; Student Center, backpack left unattended and stolen \$100, later recovered in Bldg. 66; Bldg. 2, vandalism to windows.

Apr. 3: Baker House, clothing stolen \$410; Rockwell Cage, wallets stolen from jackets \$5 and \$20; MacGregor House, arson; Bldg. NE43, gym bag stolen \$30.

Apr. 4: Bldg. 35, office left unattended and walkman stolen \$50; Ashdown House, annoying phone call.

Apr. 5: E51 lot, verbal confrontation about a parking space; Bldg. 20, a student reported being assaulted outside of Bldg. 20 by an individual who had assaulted her last year; Bldg. E40, computer stolen \$1,150.

Apr. 6: Bldg. 14, vandalism; CRA lot, malicious destruction to a car; Baker House, suspicious activity, later discovered to be a prank.

Apr. 7: Westgate, missing person report, found later; Bldg. 9, answering machine stolen \$100; Pacific St. lot, leaves set on fire; Rockwell Gymnasium, graffiti; CRA lot, vandalism to a car; Bldg. 33, bike left unlocked and unattended stolen \$450.

Apr. 8: Bldg. 36, mountain bike stolen \$350; Bldg. 13, \$40 cash stolen; Bldg. E17, suspicious activity; Bldg. E18, portable compact disc player stolen \$145; DuPont Gymnasium weight room, wallet stolen \$10; Audrey St., attempted larceny of motor vehicle; Bldg. E23, employee problem; Bldg. E18, employee problem; assist a student in obtaining a restraining order.

The World of Technology Transfer

Sponsored by the MIT Enterprise Forum, an exciting and informative half-day seminar to be held at MIT on Saturday, April 24th on understanding the concepts and the practical applications of Technology Transfer.

Keynote Speakers:

John Preston, Director of Technology Development for MIT

George Hastopolous, Chairman, ThermoElectron Corporation

Additionally, this highly interactive morning seminar will provide the attendee with mini-panels and breakout sessions featuring the CEO's of emerging companies currently involved in technology transfers. This is an event-filled, must attend seminar for entrepreneurs who want to understand the practical "how-to's" of building their companies.

Date: April 24, 1993

Registration Deadline: April 15th, 1993

Time: 7:45 am - 12:45 pm

Advanced Registration: \$75.00

Walk-In Registration: \$95.00

Location: 77 Massachusetts Avenue
Room 10-250

All Students with valid I.D.
& MIT Staff \$20.00

Visa/Mastercard Accepted.

Make checks payable to:
MIT Enterprise Forum of Cambridge, Inc.
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Fax: (617) 258-7264
Tel: (617) 253-8240

Registrations received by Fax: after April 15, 1993 will be charged \$95.00 to Visa/Mastercard.

SOLUTIONS

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D	E	V	O	L	V	E	I	B	E	R	I	A	N
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A	C	C	R	E	D	I	T	S					
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D	E	T	E	S	S	E	E	D	E	R			

Puzzle, page 11

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Cruise Ships Now Hiring: Earn \$2000+/month + world travel (Hawaii, Mexico, the Caribbean, etc.) Holiday, Summer, and Career employment available. No experience necessary. For employment program call 1-206-634-0468 ext. C5033.

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UA Raps Calendar Plan; Will Produce Counter-Proposal

Calendar, from Page 1

The referendum would be conducted electronically, in much the same way as the spring UA elections.

Problems outlined

Bansal and other members of the UA executive committee outlined several of the problems they had with the official proposal. Most of their concerns centered around the shorter summer break; a short break would hurt students in internship programs, reduce the amount of money students could earn from summer jobs, and bring some students back in early August to prepare for R/O Week, they said.

Institute-sponsored internship programs last for 12 weeks, but the new calendar would allow for only a 10-week summer break, Bansal said. The coordinators of those programs, including the Engineering Internship and Course VI-A Internship Programs, "are looking into whether they can be changed," she added.

Jacob J. Seid '96, a member of the UA executive committee, was concerned about the overall effect on summer jobs. The average student would lose between \$700 and \$1,000 of income, he said.

The early start to the fall semester was as much of an issue as the short summer. "Once every seven years the fraternity guys are going to have to come back Aug. 11," complained Daniel J. Dunn '94.

Seid also addressed an issue independent of the length of summer. "The calendar committee said, 'We think this is going to reduce the pace and pressure.' But you and I both know that isn't going to happen," he said.

The UA committee which will address the proposal has yet to be formed. Bansal asked interested council members to talk to her after last night's meeting.

Chitaley was concerned, however, that the to-be-created committee would start too late and be too unwieldy to formulate an appropriate response. "I'm not sure we're taking the right steps to get the best response possible," he said.

"Frankly it should have been a much smaller group of people working together," Chitaley said. "In many ways we're late already in dealing with it."

Computer purchase tabled

In other business, the council tabled a motion to buy a new computer to run an electronic voting system, confirmed David J. Kessler '94 as the Finance Board chairman, and made a minor change to the UA constitution.

The election commission introduced a motion to purchase a DECstation 5000 workstation to develop and maintain electronic voting software for future referenda and elections.

Vijay P. Sankaran '95, a member of the election commissioner, explained that speed of use and security were the primary motives for buying the new computer. The commission borrowed a computer for the Office of the Dean for

Undergraduate Education and Student Affairs to run the last election, but it will need its own machine to run future elections.

"It will provide us with the ability to conduct more referenda during the school year and conduct more polls," Sankaran said.

The Dean's Office offered to pay half of the estimated \$6,000 bill for the new system, but most council members balked at the \$3,000 the UA would still have to pay. Members suggested the UA buy an older or slower machine, or continue to borrow a computer to run elections.

Kessler was also concerned that the proposal to buy the computer was not made to the Finance Board, but rather to the entire council. The Finance Board considered the plan earlier and "thought this was probably not a wise investment. We had

just refused two student organizations money to buy computers ... even though they definitely had a need for them," he said.

The council also confirmed Kessler as Finance Board chairman. Other confirmations were delayed by scheduling conflicts.

The UA also modified its constitution to make elections and appointments to the Finance Board easier. A clause in the constitution mandated that no more than three residents of a single living group could serve on the Finance Board.

Dunn proposed the change because some Finance Board members are now elected by the student body and others are appointed by the UA nominations committee. Those new checks obviate the need for the constitutional restriction, he said.



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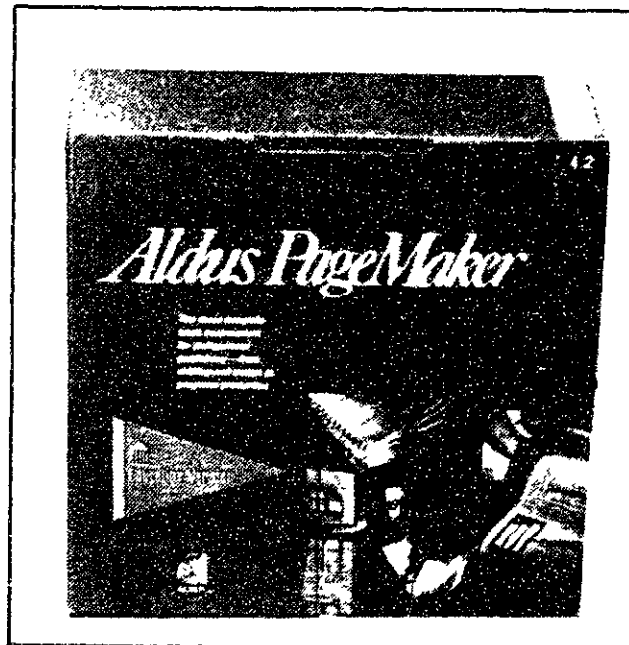
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Jim's Journal

by Jim

I was trying to write something down today, but my pen was out of ink.



I looked around for another pen, but couldn't find one.



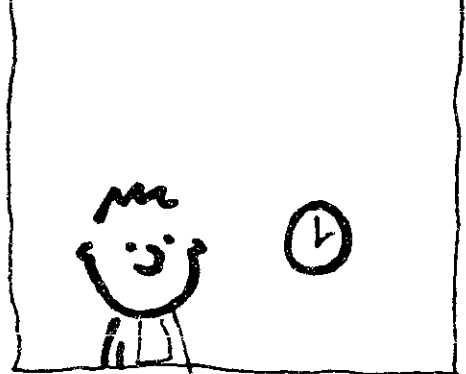
I couldn't find a pencil or anything else either.



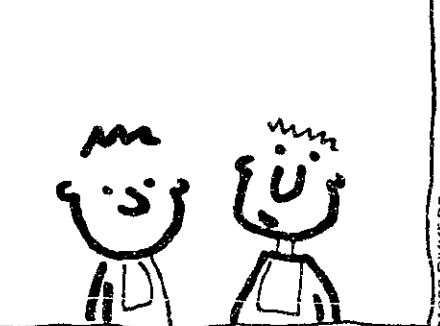
So I just wrote with the bad pen, hoping it would indent the paper enough to be readable.



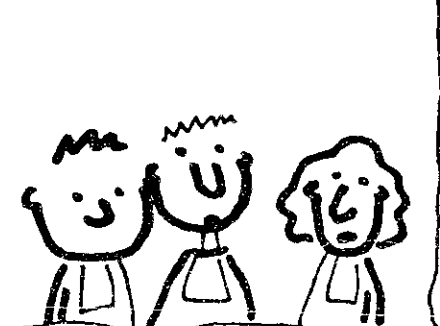
Today I worked at the copy store almost 9 hours.



Joel was there and said he worked 9 hours today, too.



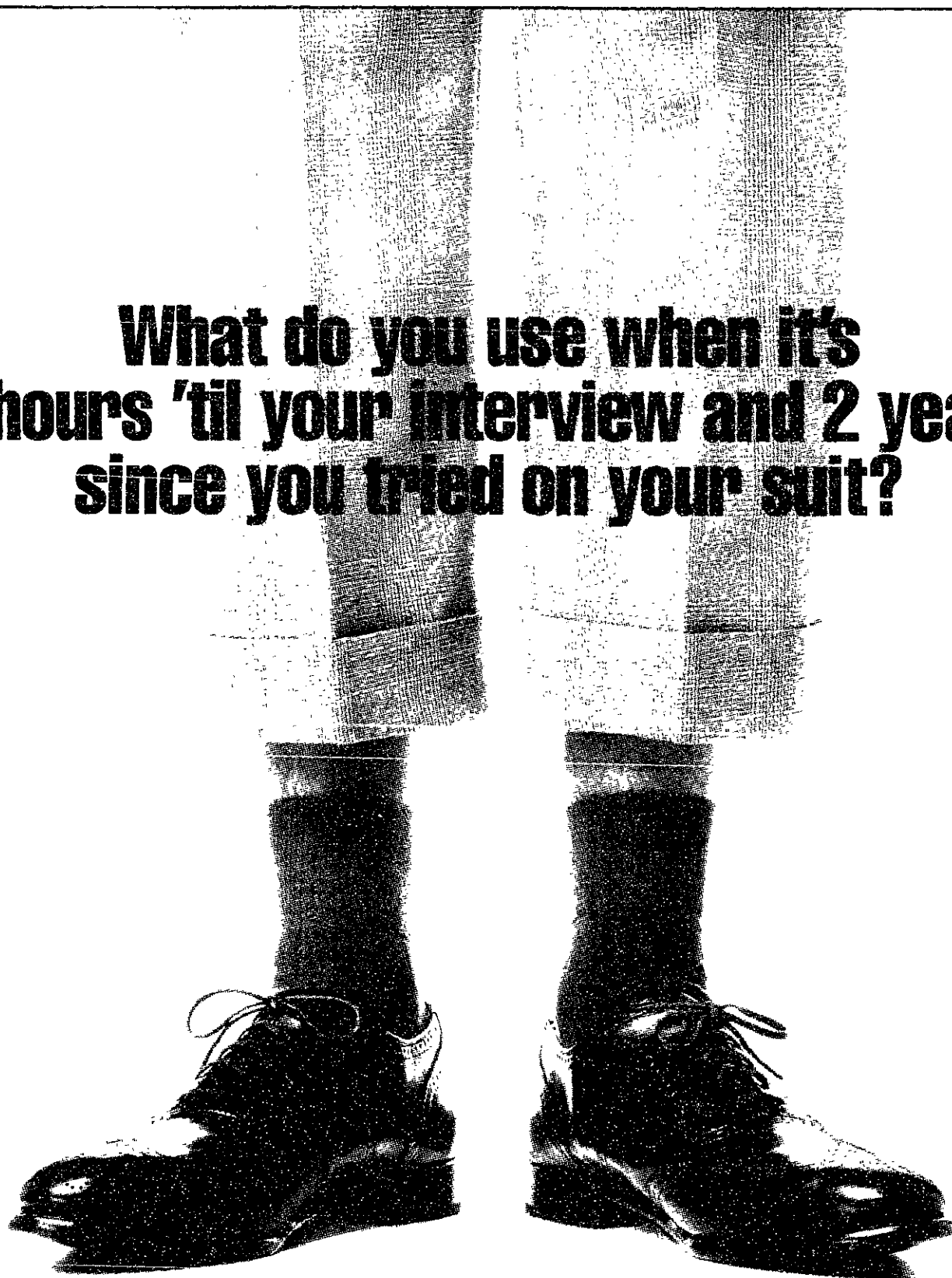
Julie told us she remembered working 12 hours straight once.



Then Hal said, "None of you have to take this job home with you - I do, and it's like working 24 hours a day."



What do you use when it's 2 hours 'til your interview and 2 years since you tried on your suit?



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Screw Raises \$600 For AIDS Group

Screw, from Page 1

change, about \$95, and dumped it into his jar at one time," Spitznagel explained.

An MIT faculty member can become a Big Screw candidate in one of two ways. The person may approach the Big Screw chairperson and ask to be a candidate, or students and other faculty members can deposit \$10 in the person's name to make him a write-in candidate. The nominated candidate can be disassociated from the contest if he or she does not wish to participate. In that case, APO will not accept money in that person's name.

"This year, we went to a couple professors who we knew had senses

of humor and asked them if they wanted to run," Spitznagel said.

Once a faculty member becomes an official candidate, he must choose a charity. If he wins, all the money collected by the contest will be donated to that charity.

AIDS Action "provides a variety of services to people in the community who are living with HIV. They provide visits, meals, and housing assistance to people with AIDS, and run a hotline for the community," Levitt said.

The screw may be presented to Levitt at the Senior House Steer Roast, held the first weekend in May. Levitt's name will be added to the list of previous winners engraved on the screw's end.

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FRESHMEN!

Nominate your Associate Advisor for the first annual Outstanding Associate Advisor Awards, and win gift certificates to Toscanini's, Laverdes, and Technicuts.

Deadline: Friday, April 16

Extra nomination forms available in Room 7-103. Freshmen who nominate winning associates will receive a letter of notification, along with a gift certificate, by Friday, April 30.

Brought to you by Undergraduate Academic Affairs and the Associate Advisor Steering Committee.

SPORTS

Men's Tennis Defeats Tufts in Five Hour Match

By Ann Ames

The men's tennis team played an intense match on Wednesday, edging Tufts University 5-4 to win its first match of the season. Playing in the Division III format, with singles first and doubles teams playing full two-out-of-three set matches, the competition lasted until 8 p.m.

The matches outcome was uncertain until the last point of the final match was played. In singles, Alan Walpole '93, second seed, and

Jay Muelhoefer '94, third seed, picked up wins for the Engineers, while Manish Bhatia '93, first seed, and Mauricio Lomelin '94, fourth seed, lost their tough matches, evening the overall score at 2-2.

Mark Erickson '94, fifth seed, and Nick Tsai '94, sixth seed, playing side by side, battled through very similar matches. They won their first sets and dropped their second, and went on to gain early service breaks in their third sets. Tsai played aggressively to capture this

set and his match, but Erickson, plagued by a blister on the bottom of his foot that later required the attention of a trainer, lost his match, again leaving the schools evenly split at three matches apiece.

The pressure was on as the doubles teams took the courts. Walpole and Muelhoefer, the first seeded team, were inconsistent in their first set, which they lost in a tie-breaker, but Bhatia and Lomelin, second seeds, were strong, working together and playing the net skillfully to

win their first set.

The tables turned, however, when Tufts' second seeds came back to take the second set, and Walpole and Muelhoefer settled in to win theirs. As both teams battled on into the third set, Erickson and Tsai, third seed, closed out their own doubles match with a win for the Engineers, giving MIT a 4-3 lead.

Soon, however, Bhatia and Lomelin were overpowered by Tufts and the score was settled again at 4-4, leaving all the pressure of the

day on the first-seeded pair. With strong serves by Muelhoefer and the cheering of their teammates, the two captured the final set and the match, clinching a victory for MIT.

Last year saw a similar meeting between MIT and Tufts, with the score tied 4-4 and only the first-seed left to finish. On that day, however, Tufts was superior, and went away with a 5-4 win. Wednesday's women's tennis match was rescheduled for April 20, because of the conflict with the men's match.

Crew Wins Against Coast Guard; Freshman Boat Tacks To Victory

By Michael K. Chung

TEAM MEMBER

The men's lightweight crew team traveled to New London, Conn. last Saturday to battle the U.S. Coast Guard Academy in the 2,000-meter sprint. The first varsity and first and second freshman boats succeeded, but the second varsity boat was unable to complete the sweep.

Because of the rough water conditions and moderate fog, the race was shortened from the traditional 2,000-meter length, which typically lasts between six and seven minutes depending on the strength of the boat and conditions, to a straight 6-minute race.

The races commenced with the first varsity boats racing, along with Coast Guard's second varsity heavyweight boat. As the race began, MIT began to pull away from the Coast Guard crew, gaining seats at a steady rate, and then making a charge after the 4-minute mark.

At this point, the crew accelerated from its base cadence of 33 strokes-per-minute to 39 strokes-per-minute. This was the high point in the race for the Engineers, according to Coxswain Otway Louie '93. He said that "although we didn't sprint very well at the end, it didn't matter for this race, as we were substantially ahead of the other crews."

Steve Wiggins '93, captain of this year's varsity lightweight squad, said that "considering the amount of water time we've had this year and the conditions, it was a good race, and we hope to continue to win."

The second varsity was the next to compete. Despite a sudden warning by the U.S. Navy base for "rowboat personnel" to "maintain a distance of at least 25 yards from the submarines," the race started with reasonable composure exhibited by each crew.

From the beginning, the Coast Guard crew gained seats on the MIT crew, and was in control during the entire race. As coxswain Jason Yip '95 put it, "We simply got out-pulled by a stronger crew."

Although the MIT second boat rowed under reasonable control throughout the race, it was not able to pull together as a boat when it mattered. Varsity Coach Pete Holland expected the MIT boat to win until he found out that Coast Guard's second varsity defeated its first varsity last week, reflecting the depth and evenness of the crews.

The freshman crews took to the race-course soon after and made a strong showing, with both MIT novice boats beating the first novice boat of Coast Guard. As Coach Mike Welch put it, "even though the first boat rowed two minutes to the right, two minutes to the left, and then two more minutes to the right, it was still able to defeat the other boats — despite its deviation from its resultant vector."

The crew of the first varsity boat, from stern to bow, was Ron Harvey '93 at the stroke seat, Brett Bader '95, Mark Armstrong G, Rob Bergan '94, Greg Campbell '94, Wiggins, Jim Nohrden '94, and John Paschkewitz '95 at the bow seat. Coxswain Louie guided the first varsity to a clear victory, defeating both boats by more than a boat-length.

Yip coxswained the second varsity boat boat, manned by: Babak Azad-Tatari '95 at stroke, Kenway Louie '93, Jock Jones '95, David Gerson G, Srijoy Mahapatra '94, Scott Keller '95, Arun Thomas '95, and Michael Chung '94 at bow.

All in all, it was a successful early-morning road trip for the men's lightweight crews. There will be no more easy victories for the Engineers. Their next race will be against Harvard University this Wednesday, beginning at 7 a.m. on the Charles.

For those of you who are interested in watching this grand spectacle, the race begins near the Sailing Pavilion, the Harvard Bridge is just before the 1000-meter mark, the boathouse is just before the 1500-meter mark, and the finish line is marked by the two white stakes along the river just outside Tang Hall.

Receiver Tranum Is Peach of An Athlete

By Roger Crosley

DIRECTOR OF SPORTS INFORMATION

Rod Tranum, MIT's record setting football wide receiver, has received yet another award.

Sports Shorts

Tranum has been named winner of the "Peach of an Athlete" role model award

sponsored by the Atlanta Area Council of the Boy Scouts of America. Tranum will be honored at a banquet in Atlanta on April 19.

Gymnastics

Gymnasts Julie Lyren '93 and Scott Lazerwith '95 each performed with great success at last weekend's USA Division II-III Nationals in Springfield, Mass. Lyren tied the MIT record in the floor exercise,

scoring a 9.4 and finishing with an overall score of 35.65 out of a possible 40 points. Lazerwith competed only in the rings, but managed an 8.55, which was a personal best for him. Both competitors were named to the Division II-III Scholar-Athlete team.

Men's crew

The men's crews kept their unbeaten streak alive last weekend. The heavyweight varsity crew easily defeated Connecticut College, Williams, and Worcester Polytechnic Institute in a race on the Textile River in Lowell, Mass. The heavyweight freshmen kept their record perfect by defeating the same crews. The lightweight varsity also stayed unbeaten by knocking off the Coast Guard Academy on the Thames River in New London, Conn.

Toscanini's Athlete of the Week

The Athlete of the Week is Peter Hinterreger '93, who pitched 11 innings in the Engineers' 4-2 win over Babson College last Tuesday. Both of Babson's runs were unearned, and only seven hits were given up during the entire game. Only 129 pitches were thrown, meaning that Hinterreger averaged only four pitches for each batter. In recognition of this achievement, Toscanini's will give the soon-to-be Roger Clemens a free banana split.

UPCOMING HOME EVENTS

Tuesday, April 13

Baseball vs. Boston College, 3:30 p.m.

Wednesday, April 14

Lightweight Crew vs. Harvard University, 7 a.m.
Men's Tennis vs. Dartmouth College, 4 p.m.

Thursday, April 15

Baseball vs. Boston University, 3:30 p.m.
Women's Lacrosse vs. New England College, 5 p.m.
Softball vs. Suffolk University, 4 p.m.

Friday, April 16

Baseball vs. Albertus Magnus College, 3:30 p.m.
Men's Tennis vs. Connecticut College, 3 p.m.

★ Attention!!! ★

All Tech hack wannabes:

We know you read sports, or you would never have seen this. The Tech sports department is looking for people to write sports. If you play or watch sports at the Institute, help the struggling athletes at MIT get the attention they deserve by covering sports events.

Don't worry, nobody even mildly athletic can write well, as our two humble scribes have demonstrated time and time again in this very publication.

Basically, you *don't* need qualifications, you *don't* need experience, you *don't* even need talent to write sports for *The Tech*. All you really need is a willingness to spend some of your time outside the lab watching your fellow students compete. So don't be a bum — get off your butt, watch some athletic events, and write for *The Tech*!

Interested people should call Haider at *The Tech*: x3-1541.

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