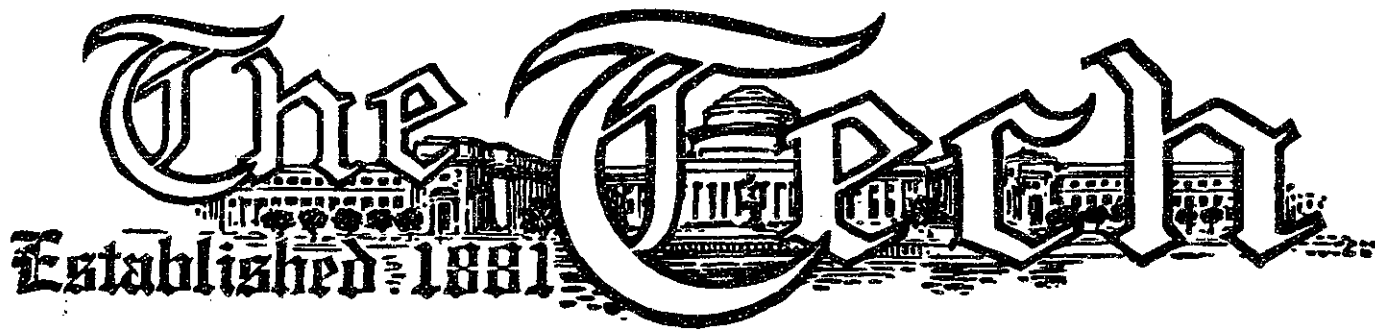


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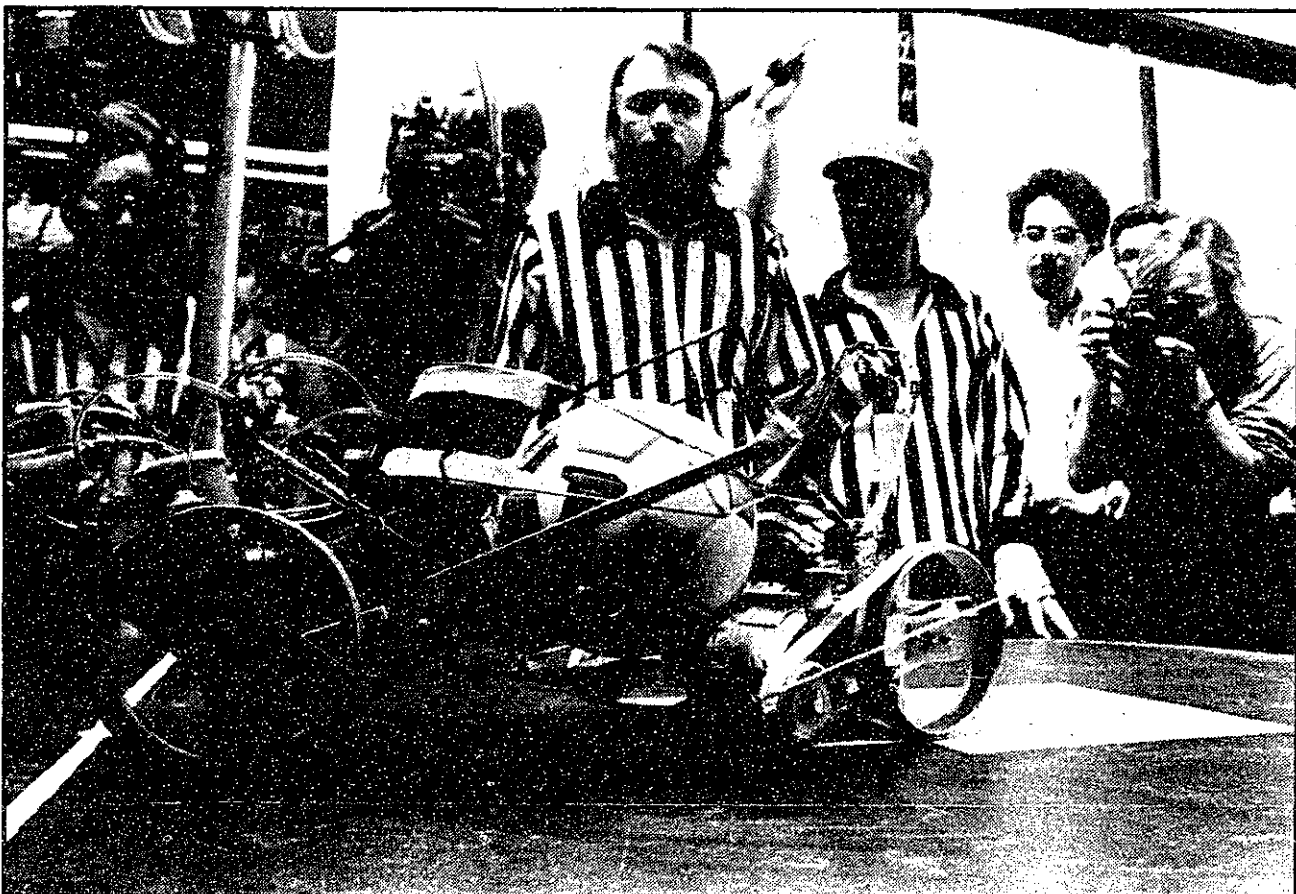
The Weather

Today: Sunny, cool, 56°F (13°C)
Tonight: Clear, chilly, 38°F (3°C)
Tomorrow: Mostly Sunny, 60°F (16°C)
Details, Page 2

Volume 114, Number 22

Cambridge, Massachusetts 02139

Friday, April 22, 1994



JOSH HARTMANN—THE TECH

The Introduction to Design (2.70) machine built by Gaurav Rohatgi '96 clashes with its opponent to capture the soccer ball and soar to victory in the final round of last night's contest. For a full report and more photos of the contest, see pages 12 and 13.

UROP Deadline Is Extended to 27th

By Hyun Soo Kim
NEWS EDITOR

The deadline to submit summer Undergraduate Research Opportunities Program proposals has been extended from today to Wednesday, April 27. The deadline extension will give faculty and students more time to compile proposals in light of the recent decision for allocating the \$1 million infusion to UROP, according to UROP Administrator Debbie H. Shoap.

Students must also complete a new form specifying which weeks they would work; these are due by 5 p.m. Wednesday. The UROP office encourages students to work as many weeks as possible before July 1, before a federal regulation eliminates waivers for overhead costs and employee benefits of UROP projects, making UROPs more expensive to fund.

Still, there is no penalty in the evaluation process for students who can not start work on their summer UROPs in mid-May.

Dean for Undergraduate Academic Affairs Travis R. Merritt said,

"If enough students are able to front-load working weeks so that there won't be overhead charges on those weeks, it is possible that the \$1 million will cover all the summer UROPs."

The faculty received a memo yesterday that stated the deadline extension and the allocation plan of the \$1 million. Merritt said that clarification about the allocation may make professors more willing to accept UROPs.

The \$1 million infusion will first be used to cover overhead and employee benefit costs of projects that receive sponsored research money. Then the rest will be used fund projects and employee benefit costs on projects that receive no outside funding.

This year, the quality of UROPs will be examined more closely, as they are no longer accepted on a first-come, first-serve basis. "What we're hoping is that the million dollars will stretch enough so that comparative judgements will not have to

UROP, Page 11

How to Be Secure on MITnet

By Daniel C. Stevenson
ASSOCIATE NEWS EDITOR

The addition of dormitories and independent living groups in the MIT computer network greatly increases security threats to students' Athena accounts [see article, page 1]. To protect against these threats, there are several ways users can secure their accounts and files.

The main security threat results from the fact that users' data, including passwords, travel in unencrypted, or 'clear' text packets across networks between computers. These data packets, which could contain electronic mail, zephyr messages, or passwords, can be read by users on other machines.

"My advice to computer users is not to use the network communications (be they on Athena or on other

machines) for personal matters," said Stephen R. Lerman, former director of Project Athena. "If people want to communicate privately, they can encrypt their mail using standard utilities available on all Athena workstations."

Choose a good password

"The security of an Athena user's data is based on that user's password," Lerman said. "If a user selects a simple password or gives his password to someone else, there is no real security."

"Change your password often, and choose good passwords," said Gregory B. Hudson '96, vice-chairman of the Student Information Processing Board. Users should also avoid typing their passwords when logged on to Athena over a network,

Hudson said, because the password travels as clear text.

If a user needs to telnet to a dialup server, Hudson recommends using ktelnet — a kerberized version of telnet — which is available for Macintosh computers on the SIPB Appleshare server.

This program allows for all the information sent across the network to be encrypted and allows users to log into the dialups without transmitting their password over the network in clear text. However, this option is only available for Resnet users running on Macintosh or Linux platforms.

A good password is easy to remember yet also obscure, according to the Athena "Guidelines for

Security, Page 11

Loopholes Loom Large in MITnet

By Ifung Lu and Eric Richard
STAFF REPORTERS

First in a series dealing with security and privacy issues of MITnet.

The expansion of MITnet to include undergraduate dormitories and independent living groups has raised several security issues which many users feel have not been properly addressed.

"The key here is being an educated user and making intelligent choices about what a given medium should and should not be used for," said Steven R. Lerman, chair of the Academic Computing Council and former director of Project Athena.

MITnet, Page 9

Spring Weekend '94 Events Help Charity

By Amy I. Hsu
STAFF REPORTER

Although MIT's annual Spring Weekend is geared toward entertainment and relaxation, it also benefits several charities, including one founded by MIT students.

Spring Weekend '94 began last night with Mr. Spring Weekend, sponsored by the Women's Independent Living Group. Five contestants competed in the categories of original dress, talent, question-and-answer, and persuasiveness in soliciting money from the audience. This year's winner, David C. Cho '94, chose the AIDS Action Committee as his charity, "inspired by Jacob White, because he didn't win Big Screw, and I'm taking 6.003."

Today, the International Fair will feature many different booths selling ethnic foods and presenting international dances and songs. The fair, sponsored by the International Students Association, is located in

front of the Student Center. Tonight, Alpha Tau Omega, the Interfraternity Council, and the Undergraduate Association are

Spring Weekend, Page 10

INSIDE

■ David M. LaMacchia '95 pleads not guilty to federal wire fraud charges. *Page 6*

■ On The Town returns with complete Boston entertainment listings. *Pages 18-19*



RICH DOMONKOS—THE TECH

Cosmas Ndeti heads for victory in the 98th Boston Marathon held Monday as he runs the last stretch of the race.

WORLD & NATION

Over 100,000 Rwandans May Have Been Killed, Red Cross Says

THE WASHINGTON POST

UNITED NATIONS

The International Committee of the Red Cross said Thursday that more than 100,000 Rwandans may have been killed in the past two weeks of ethnic slaughter and called it a "human tragedy on a scale we have rarely witnessed."

The report coincided with a recommendation by U.N. Secretary General Boutros Boutros-Ghali to sharply scale back the U.N. peace-keeping mission in Rwanda, and with news accounts that the blood-soaked Central African nation was edging closer to a deadly outbreak of disease and famine sparked by growing fighting.

Human rights groups charged that any withdrawal of U.N. forces would put at risk of massacre more than 20,000 Rwandans who have sought U.N. protection in hospitals and a stadium in Kigali, the capital.

The Red Cross said Rwandans wounded in fighting between the majority Hutu and the Tutsi tribes "can no longer be taken to medical centers for fear they will be killed before they arrive, and those that have been saved cannot leave the hospitals because to do so would mean certain death," the Red Cross said.

Thousands of decomposing corpses litter the streets of Kigali, the Rwandan capital, the Associated Press reported Thursday. It said some people have been barricaded in their homes for two weeks without food, and hundreds of thousands of Rwandans have fled their homes and are believed walking through hilly, forested countryside to avoid the slaughter that has raged for two weeks between the majority Hutu and the Tutsi tribes.

Agreement Clears Way for Hata To Become Japan's Prime Minister

THE WASHINGTON POST

TOKYO

The seven parties that make up Japan's governing coalition reached agreement early Friday on a broad policy platform, clearing the way for the reform-minded Tsutomu Hata to become prime minister and form a government.

The new cabinet, Hata has said, will be almost identical in policy and personnel to the government led by the outgoing prime minister, Morihiro Hosokawa, and will continue Hosokawa's sometimes-uphill push toward political realignment, deregulation and reduction in Japan's \$60 billion trade surplus with the United States.

The 58-year-old Hata went home for his nightly half-hour of Zen meditation before the agreement was settled. He could afford to. Having succeeded Hosokawa as leader of the governing coalition, he has the votes to be elected head of government of the world's second-richest nation.

Few here expect Hata to adopt dramatic initiatives to simulate the economy, remove import barriers or eliminate burdensome regulations, as the Clinton administration has been urging. Hata, however, is a firm believer in the importance of the U.S.-Japan alliance, insiders say, and thus will strive to appease Washington with enough new measures to avoid a serious rupture.

Smoking Ban Expected To Save Billions of Dollars

LOS ANGELES TIMES

WASHINGTON

Legislation that would prohibit smoking in public places would reap economic savings ranging from \$39 billion to \$72 billion annually as a result of lower health costs, fewer premature deaths, less employee absenteeism, and reduced operating and maintenance expenses in smoke-free buildings, the Environmental Protection Agency projected Thursday.

Furthermore, the law would cost less than \$5.5 billion annually to implement and enforce, the agency predicted in a report. EPA estimated the costs of enforcement as ranging from \$800 million to \$2.4 billion to a maximum of \$5.5 billion if institutions chose to establish separately ventilated rooms for smokers that would vent tobacco smoke directly to the outside air.

"Cigarettes don't just kill people who smoke — they also kill people who choose not to smoke," said EPA Administrator Carol M. Browner at a joint news conference with Rep. Henry A. Waxman, D-Calif., author of the bill. "We have a responsibility to protect children and adults who choose not to smoke."

WEATHER

Cool Flow

By Marek Zebrowski
STAFF METEOROLOGIST

An extended period of fair and rather chilly weather is expected for our region as high pressure systems from Canada slip south and east towards New England. On Saturday a small disturbance rippling along a front positioned along the US-Canadian border will cause clouds and perhaps even some light precipitation over the northern mountains; by Sunday a "backdoor" coldfront may slip through our area to bring a reinforcement of crisp, March-like conditions with fair days and chilly nights forwell into next week.

Today: Mostly sunny and cool with fresh northwesterly winds. High 56°F (13°C).

Tonight: Clear and quite chilly with lows around 38°F (3°C) and close to freezing outside the metropolitan area.

Tomorrow: Mostly sunny south; partly cloudy to the north. Local highs approaching 60°F (16°C).

Scientists Uncover Evidence Of New Planets Orbiting Star

By Robert Lee Hotz
LOS ANGELES TIMES

An astronomer has found "irrefutable evidence" of at least two planets orbiting a nearby star — the first confirmed observation of planets outside the solar system humanity calls home.

What has scientists most excited, however, is that the finding suggests the formation of planets can take place around almost any star and that the galaxy may well be crowded with planets.

Astronomer Alexander Wolszczan at Pennsylvania State University confirmed the existence of the planets in orbit around an unusual neutron star located 1,200 light years away in the constellation Virgo. The star is one of just 21 known stellar objects, called millisecond pulsars, that spin thousands of times faster than typical stars, broadcasting powerful radio pulses as they revolve.

The star, known as PSR B1257+12, is an extremely small, massive body about 12 miles in diameter, that weighs as much as the Sun and spins faster than a kitchen blender. It is the cinder from an ancient supernova that once burned more brightly than any other object in the sky.

"The proof that objects of planetary size do exist outside the solar system indicates that our planets are not unique and uncommon anymore," Wolszczan said. "The evidence is such that there is no need to question the reality of this."

Wolszczan and his colleagues determined that one planet is about 3.4 times the size of Earth and is orbiting the star every 66.6 days; the second planet-sized object appears to be about 2.8 times the size of Earth and is orbiting the pulsar every 98.2 days.

Scientists said Thursday it was extremely unlikely that either planet could support life.

Wolszczan also reported the possibility that a smaller moon-sized object is orbiting closer to the star, but cautioned that those observations were not yet confirmed. That object appears to circle the pulsar every 25 days.

More than one scientific reputation has foundered on such announcements of new planetary systems.

At least five times in the past 30 years, news of such discoveries has been followed quickly by retractions, when errors in the data were discovered or when others could not confirm the initial sighting. In 1992, for example, one respected British astronomer had to tell his assembled colleagues that the planet he thought he had discovered the year before "just evaporated."

But Wolszczan's findings, which were published Friday in the journal *Science*, appear to convince many skeptical astronomers. He spent three years confirming the existence of the planets, which he first detected in the fall of 1991 with the help of Dale Frail of the National Radio Astronomy Observatory after 16

months of monitoring the unusual star.

The discovery apparently culminates a search that began with the invention of the first telescope centuries ago. But no one has actually laid eyes on the two planets with any optical instrument.

Instead, to find the planets, researchers used statistical analysis and detailed observations of the regular radio signals the pulsar emits. Wolszczan was able to detect the infinitesimal wobble caused by the gravitational pull of the planets whirling around the central star. The star sends out a radio signal 160 times a second with a precision greater than the most accurate atomic clock on Earth.

Wolszczan used the 305-meter-diameter radio telescope at the Arecibo Observatory in Puerto Rico to measure the arrival times of the pulsar's energy pulses. Unlike many of the other 550 known pulsars in the universe, these signals contained a subtle, periodic hesitation that strongly suggested the position of the star was changing in response to one or more large objects in orbit around it.

Further meticulous analysis revealed the effect of the planets' changing orbits as they passed each other in their journey around the strange sun, bearing out theoretical predictions. That was the test that other astronomers found most convincing.

U.S. Must Escalate Bombing In Bosnia to Boost Credibility

By Daniel Williams
and Ann Devroy
THE WASHINGTON POST

WASHINGTON

The United States must escalate bombing in Bosnia partly to boost its own credibility, Secretary of State Warren Christopher said Thursday, as President Clinton's support for broader use of NATO military power produced signs of anxiety and deep division in Congress.

Outlining U.S. interests in Bosnia before a skeptical Senate panel, Christopher went beyond the administration's previous rationale of preventing a broader European conflict, stemming the flow of Bosnian refugees and maintaining NATO's credibility. Stronger military action is needed, he asserted, to "vindicate United States leadership" and maintain U.S. military credibility.

Christopher's comments raised the stakes of the new military initiative beyond the aim of settling the Bosnian conflict to a test of American will. Credibility as a rationale for escalation has been a matter of controversy since the Vietnam War, when deeper involvement was justified in part to show that U.S. commitments could be trusted.

NATO representatives are due to take up the proposal, first put forward by United Nations Secretary General Boutros Boutros-Ghali, at a meeting Friday of the North Atlantic Council in Brussels.

Administration officials Thursday suggested that the council will authorize broader NATO airstrikes to protect the six "safe areas" set up last year for Bosnian Muslims by the U.N. Security Council. But the council is likely first to consider immediate ways to stop the continuing Serb offensive against Gorazde, the officials said.

Support for increased NATO

military action came Thursday from Sen. Sam Nunn, D-Ga., the influential chairman of the Senate Armed Services Committee, who said the United States and its allies must be willing to escalate airstrikes against the Serbs "all the way to Serbia if need be." He also urged a selective lifting of an international arms embargo against the former Yugoslavia to equip the safe areas with anti-tank weapons.

But other senators expressed misgivings about the move toward greater U.S. military involvement. Sen. Ernest F. Hollings, D-S.C., chairman of the Senate appropriations subcommittee before which Christopher testified Thursday, said the airstrikes initiative lacked clear goals, an exit strategy, political support and a strong likelihood of success — all of which, he reminded Christopher, once had been the administration's preconditions for a greater commitment in Bosnia. He observed that Christopher's caution of a year ago had given way to a new "urgency of involvement."

In response, Christopher said the United States "just can't turn our back" on Bosnia, adding: "I feel very strongly that this is a time when even a cautious secretary of state, which perhaps I'll always be, feels the need to vindicate United States leadership and to take a strong robust position to ensure that this conflict does not spread and to ensure that we maintain the credibility of NATO as well as our own forces."

Hollings, unpersuaded, urged Christopher to consider "the mother test" before committing U.S. planes to a broader campaign, meaning the administration must be able to explain to the mother of a U.S. soldier why her son or daughter might die in Bosnia. "We're making a civil war an international war,"

Hollings said, "and I don't know how it's going to stand the mother test."

But Christopher said the conflict had become "more than a civil war," saying Serb aggression had become "quite transparent" and was aimed at creating a "greater Serbia" at the expense of neighboring republics.

The sense of congressional unease generated by the new initiative appeared to cross party lines Thursday. Few members seemed totally satisfied with the president's approach. Opinion seemed divided between those who want no U.S. involvement in the Balkans and those who want to do more to stop the Serbs.

Some Democrats and Republicans suggested that congressional restlessness has produced what one Democrat said were "ripe conditions for Congress to try to write the policy, which is almost always a disaster."

Senate Minority Leader Bob Dole, R-Kan., and Sen. Joseph Lieberman, D-Conn., offered an amendment to a bankruptcy bill that would require the president unilaterally to disregard the embargo on weapons to Bosnia's combatants and help arm the Muslims. The amendment is opposed by the administration because the allies do not support it. Clinton said Wednesday that breaking a U.N. embargo would open the way for others to do so unilaterally elsewhere.

The Senate debated the amendment late into the day. Sen. Hank Brown, R-Colo., said Clinton's policy in Bosnia was a "half-hearted effort and a prescription for failure." He said the only clear answer is to allow the Muslims to defend themselves. But Sen. John Warner, R-Va., opposed the measure, saying it would cause a break with the allies.

Clinton, Gore Use Earth Day Speeches To Defend Record

By Gary Lee
THE WASHINGTON POST

WASHINGTON

Amid criticism that he is not fulfilling his pledge to create the greenest government in history, President Clinton Thursday defended his environmental record in a speech on the eve of Earth Day.

Before a crowd in a Washington park, Clinton recited a number of environmental actions the administration has taken, from executive orders to encourage recycling and reduce federal energy consumption to legislative proposals to clean toxic waste dumps across the country.

In addition, "This year, we're asking Congress to pass new and stronger laws to protect our lakes, rivers, and the water we drink," Clinton said. "And we're offering new approaches to get the job done."

In a separate speech, Vice President Gore echoed the defense. The White House's plan to combat global warming is far bolder than President

Bush's, Gore said in remarks at George Washington University. "What a difference an administration makes," he said.

Earth Day — officially celebrated Friday — provides an occasion for environmentalists to take stock of pressing problems and outline ways to combat them. Clinton used last year's Earth Day speech to outline an aggressive environmental agenda, including proposals to elevate the Environmental Protection Agency to department status and reduce greenhouse gas emissions to their 1990 levels, as called for in a treaty proposed at the Rio "Earth Summit."

The elevation proposal failed to pass a House vote in January, however, and the administration's climate change plan has come under criticism, too. According to an analysis by two environmental groups issued earlier this week, the Clinton plan will fall short of reaching 1990 levels without additional measures.

"The administration takes strong

stands on some environmental issues," said Eric Olsen, a staff attorney at the Natural Resources Defense Council. "But they are not really fighting for their positions. On the environmental front, there's not much follow-through."

Those criticisms are widely, if not universally, shared among environmental groups. In a survey released Thursday by the environmental newsletter Greenwire, 66 percent of respondents gave Environmental Protection Agency administrator Carol M. Browner low marks and many said that she lacks vision. In its "environmental report card" issued earlier this year, the League of Conservation Voters gave the White House a "D" on environmental budget levels and a "C minus" for delivering on its promises.

"You hear a lot of pro-environment rhetoric from the administration," said Steve Kretzman, a Greenpeace spokesman. "But you see very little substance to back it up."

House Approves \$28B Crime Bill

By Kenneth J. Cooper
THE WASHINGTON POST

WASHINGTON

The House Thursday topped the Senate's \$22 billion legislation and approved nearly \$28 billion to build more prisons, hire more police and lock up criminals longer in an election-year effort to ease public anxieties about violence.

The fractious politics of House Democrats required a convoluted legislative procedure that took almost half a year longer than the Senate needed to produce omnibus crime legislation of the sort President Clinton requested last August. The crime bill was sent to a conference with the Senate, 285 to 141.

"The House of Representatives made their intentions clear: Crime will not pay," Clinton said applaud-

ing a bill that devotes half of the \$28 billion to new prisons, spends about one-fourth on a variety of crime-prevention programs and most of the rest to hire 50,000 police officers.

The House bill, compared with the Senate version, proposes more funding to build prisons and steer young people away from crime but less to hire local police officers. The House version expands the federal death penalty to slightly more crimes, but moderates a politically popular plan to imprison for life offenders convicted in federal court of a third violent or serious drug crime.

Democratic supporters said the legislation offered a sensible and politically appealing balance between tougher punishment and

effective prevention, but Republican critics dismissed it as not tough enough, particularly on the death penalty. Opposition from a majority of House Republicans made the vote much closer than the 95-to-4 vote to approve the Senate bill last November.

Because more than 90 percent of violent crime is handled at the state and local levels, the \$28 billion legislation would try to meet its goals "to control and prevent crime" principally by aiding those governments, said Rep. Charles E. Schumer, D-N.Y., chairman of the House Judiciary Committee on crime and criminal justice.

The legislation reached the floor last month with a pricetag of \$15 billion over five years, amendments boosted the total to \$27.9 billion.

Kevorkian Trial Opens

THE WASHINGTON POST

DETROIT

Almost four years after he began helping sick people to kill themselves, Jack Kevorkian went on trial here Thursday on a charge of violating a Michigan law enacted specifically to stop his crusade to encourage physician-assisted suicide.

In an opening statement, Kevorkian's lawyer, Geoffrey N. Fieger, told the jury the case involved "a great cause" similar to the worldwide struggle for human rights. But as the long-anticipated trial began to unfold in a basement courtroom in Detroit Recorder's Court, Fieger also mounted a technical defense by claiming that the case should be dismissed because it is being tried in the wrong jurisdiction.

It was a surprising tactic in a trial that Kevorkian has said he welcomed as a way to undermine a law that he holds in contempt and that is already under constitutional assault in three other cases. If convicted, the 65-year-old retired pathologist could face four years in prison and a \$2,000 fine.

Kevorkian is charged with assisting the suicide last August of Thomas Hyde, 30, a landscape designer who suffered from amyotrophic lateral sclerosis, also known as Lou Gehrig's disease. Hyde was the 17th person Kevorkian helped to commit suicide.

Known as "Dr. Death," Kevorkian was also charged in connection with three subsequent assisted suicides, but those charges were dismissed by judges. One judge held that there is a right to suicide based on privacy guarantees in the Constitution, while two others dismissed the charges on narrow technical grounds.

Justice Rebuts Criticism Of Rocky Flats Handling

THE WASHINGTON POST

WASHINGTON

The Justice Department Thursday issued a rebuttal to congressional criticism of its handling of the 1989 investigation of environmental and safety problems at the Rocky Flats nuclear weapons complex.

The operator of the Colorado plant, Rockwell International Corp., paid an \$18.5 million fine, the largest hazardous waste fine in history, in 1992 after pleading guilty to 10 hazardous waste and clean water violations as part of a plea agreement.

"This case was not handled perfectly in the sense that any case of this nature with complicated investigatory and institutional issues is likely to have difficulties," said an 88-page report issued by the department. "None of these factors, however, was related to institutional breakdowns or improper political or personal influences."

The report serves as a response to criticism of the case by the investigation subcommittee of the House Committee on Science, Space and Technology, headed at the time by former Rep. Howard Wolpe, D-Michigan, which claimed the plea agreement was too lenient. The Justice Department report said the agreement reflected "an appropriate exercise of prosecutorial discretion," said the report.

The case attracted wide attention when an independent-minded grand jury tried to issue a report that was more critical of Rockwell and the Department of Energy than the prosecutors would endorse. The Justice Department refused to help prepare the report; prosecutors later prepared a paragraph-by-paragraph rebuttal of the grand jury's report.

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Editorial Does LaMacchia No Justice

Your April 12 editorial "Software Piracy A Serious Crime" doesn't do justice to the David LaMacchia Defense Fund or its contributors. You state that "a number of questions will remain unanswered until LaMacchia goes to court. Until then, it is foolish for students to condemn LaMacchia as a criminal or to hold him up as a symbol of injustice. At the very least, those soliciting funds for his defense should carefully consider whether LaMacchia broke any laws before rallying to his defense."

In the same breath, *The Tech* seems to suggest withholding personal judgment and then applying it. How, pray tell, are people without any direct knowledge of the facts or expertise in this murky area of the law going to be able to say "whether LaMacchia broke any laws?"

We don't ask people to gaze into a crystal ball and predict the outcome of LaMacchia's case before donating to the fund. In fact, the fund takes no position on the merits of either side's case.

The David LaMacchia Defense Fund was

organized to ensure that David LaMacchia '94 gets a fair trial. An unfortunate side effect of our common law system, where laws are made by decisions in particular cases, is that an individual involved in a constitutional test case is faced with the certainty of staggering legal bills as well as the possibility of imprisonment and fines.

We encourage those who want more information about the fund to send mail to "dldf@martigny.ai.mit.edu" or look at our Web page: "http://martigny.ai.mit.edu/dldf/home.html."

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Fund to Ensure Capable Defense for LaMacchia, Not Assess Guilt

The Tech is wrong to suggest that those raising funds for the defense of David M. LaMacchia '94 "should carefully consider whether he broke any laws before rallying to

his defense," ["Software Piracy A Serious Crime", April 15].

Whether LaMacchia is innocent or guilty of wrongdoing, it is important for reasons of fairness and legal precedent that he have a capable defense. I do not defend software piracy, nor do I state that he was unaware that his system was used to copy software.

But LaMacchia is not accused of software piracy. He is accused of wire fraud, under a statute ill-matched to the alleged misconduct. Should the prosecution succeed in broadening the definition of wire fraud to the activities of which he is accused, the wire fraud statute might also be used to prosecute relatively less harmful activities.

Such a statute may also be used to hold system administrators liable for activities they know little about, compelling them to intrude upon the privacy of their users in order to police their behavior.

The U.S. Attorney's Office will no doubt seek the widest possible interpretation of the law. If LaMacchia cannot afford capable defense counsel, more than his interests will suffer. Unrepresented in court, the rights to privacy, due process of law, and freedom of expression will also be jeopardized.

Lars Bader G

Limited Air Strikes Accomplish Nothing

Column by Anders Hove
ASSOCIATE OPINION EDITOR

In 1739, when Britain jubilantly trotted off to war with Spain over Captain Jenkins' severed ear, Prime Minister Sir Robert Walpole remarked, "They now ring the bells, but they will soon wring their hands." Walpole understood the difficult nature of wielding military power, and thus went to war only reluctantly, hounded by a jingoistic public.

Last week, as a new Serbian advance in Bosnia threatened to overrun another embattled enclave, the man at the helm of the United Nations forces finally ran out of patience. General Sir Michael Rose authorized two successive air strikes on Serbian positions surrounding Gorazde, and NATO promptly delivered the UN's punch, as directed. One could almost hear the sigh of relief as the news of air strikes hit the streets here in America. Most thought the Serbs had asked for the pounding. They seemed to have only gotten what they deserved.

Yet Walpole's reluctance survives still today. It lives on in the Oval Office, where a president inexperienced in foreign policy wondered last week if the same people who forced him to accept the air strikes wouldn't soon want out of Bosnia. President Clinton seemed to know that he was stepping into a quagmire. Breaking with tradition, Clinton did not go on television to announce the strike and lay out a set of broad, righteous objectives worth killing and dying for. This was not a hawkish president enthusiastically jumping into another foreign adventure. It was Robert Walpole back from the grave, still wringing his hands.

Clinton has had plenty of company. Those who have pressed for peace in Bosnia have been united by their frustration; hand-wringing has been the order of the day for the last two years. The Vance-Owen plan failed miserably; Serbian president Slobodan Milosevic's "blockade" of the Bosnian Serbs turned out to be a ruse; the United Nation's declaration of Bosnian "safe havens" did nothing to stop the Serbian drive; and the much vaunted "lift-and-strike" recommendations came to nothing.

Each time we thought we saw a light at the end of the Bosnian tunnel we got run over by

a train — a Serbian train. No wonder we were refreshed last week when Rose finally decided to cut the nonsense and do something — anything — to break the impasse.

Despite the refreshing news, little has changed. The Serbs still threaten to strangle the remaining enclaves, including Gorazde, where they have launched new offensives after only a brief pause. The air strikes have greatly increased the danger to exposed UN personnel on the ground. Peace negotiations have broken down, as each side tries to turn the NATO action to its own advantage. Russia remains a wildcard, always ready to withdraw support from any new Western initiative.

But who expected air strikes to accomplish anything? The UN has used the threat of air power to deter Serbian aggression with limited success. One of the few obvious objectives of last week's strikes was to prove to the Serbs that the UN meant business.

But so what if we mean business? The Serbs are at war, and they have now shown themselves willing to continue gobbling up territory even out from under the NATO air umbrella. Now that we have used our main deterrent once, and still failed to impress the Serbs, what next?

Significantly, NATO's use of force has been less successful than earlier, more pragmatic moves by the United Nations in Bosnia. In Sarajevo, for instance, the UN clearly spelled out a set of terms (including the 13-mile exclusion zone) with which the Serbs would have to comply in order to avoid NATO strikes. The UN even worked out a compromise whereby Russian peacekeepers would join the Serbian lines in exchange for compliance. The fact that the world seemed genuinely committed to its demands drove the issue home to the Serbs. If they did not comply, the Serbs faced certain and protracted ugliness at the hands of the "world community."

In Gorazde, so far as we know, General Rose and UN special envoy Yasushi Akashi did not present any set of specific terms of compliance. Instead, Rose threatened air strikes if Serbs did not halt their advances. These threats were only meekly backed up by

NATO's member nations, especially here in the United States, where military officials were nearly ready to give the Serbs the "green light" to overrun Gorazde. For its part, the White House agreed to air strikes only as reprisals against Serbian raids on UN personnel. When NATO finally went in, only a few bombs were dropped, causing light damage on the ground. In other words, the West completely failed to lay out a set of terms to the Serbs, using force not as a tool but as a reprisal.

By contrasting these two operations, we should learn that threats are credible when they are backed by firm resolve and overwhelming force. Moreover, the threat of force should be used to attain specific, limited objectives, which should be clearly communicated within a framework that allows both compliance by and compromise with the Serbs.

If nothing else, last week's bombings should serve to remind us yet again that American military might is no magic elixir, especially in the Balkans. Earlier this year, as the trickle of State Department resignations over the Bosnian situation swelled to deluge proportions, the American public was given to believe that the Balkan question could be easily solved "by planes alone." Not so, Gorazde seems to tell us.

Ironically, however, the failure of last week's strikes has brought to the fore new proposals for wider air strikes, some coming from President Clinton himself. Proponents of further air strikes argue that NATO's credibility will be lost forever if further military force is not used to stop the Serbian drive and force the Serbs back to the negotiating table. Will further strikes be different from those of last week? More importantly, will the United States finally become fully entangled in a war that has already been all but won by the Serbs?

The West has done its share of bungling in the Balkans, but bungling has never had any easy alternatives. Now that we have finally tried the long-recommended quick fix, we realize that we must choose between the slow, cynical policy of *realpolitik*, and full-scale intervention.

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The Boston Marathon — What A Great Experience

Column by Michael K. Chung
ATHLETE WANNABE

I ran the Boston Marathon last Monday, perhaps one of the neatest experiences (of the one-afternoon variety) I have taken part in. Over a year ago I wrote a column saying that rowing crew is the ultimate experience and that everyone should try it. While the marathon was quite an experience, I can't necessarily endorse it for everyone.

The start of the race eliminated any left-over languor from the drive over. The runners and spectators were going nuts, cheering and whistling, getting everyone's adrenaline pumping. After the gun started, it took about six-and-a-half minutes until the pack I was in was able to start jogging, which was greeted with a terrific burst of cheers.

For the first several miles, seeing the floods of people — literally thousands of people were in front and in back of me — was quite amazing. The first six miles were really fun to run because of the excitement of the Boston Marathon (while still physically fresh), further fueled by all the kids and families on the sides giving high-fives, water, and oranges to you. (Some of the kids even had races with their friends to see who could get 200 high-fives first.)

By the third mile, I had taken my t-shirt, which had a big "T" on the back, and "MIT CREW" above it, and turned it around so people could see it as I approached. I got cheers ranging from "Go T" to "Go MIT Crew!" to "Go Mr. T!" throughout the race, which was definitely motivating.

After about seven or eight miles, I decided that I would think of the race as blocks of nine, seven, four, three, and three miles each. I figured that I ought to be able to do the first sixteen without much trouble, then split the last ten miles (if I felt reasonably healthy enough) into three blocks.

We descended into the city limits of Wellesley at mile 12. My high school math teacher (who ran the Boston Marathon in 1990 in 3:01:08) said that if you ever get into

running, to train for at least a 15 mile base so you can go through Wellesley, since the students there cheer so loudly that you can hear them from a mile away. Also, one of the guys I drove up with said that "if you only want to do half the race, do an extra mile so you don't look like a schmuck at Wellesley for dropping out."

I started hearing the cheers from a distance and was not disappointed to run through a five-hundred gauntlet of Wellesley College students yelling "Go MIT Crew!" I gave them all high-fives, yelled "Let's make some noise!" and of course, ran the fastest I had all afternoon in my little attempt at studiousness.

Though the initial (and longest) string of cheerers was shorter than I expected, I decided that it probably would be a cool thing to go back and introduce myself to them all, spending perhaps a little more time with them.

Okay, back to the main story.... The halfway point finally came after about 2:05, and with it, my first cramping in the calves (spreading to the shins and lower quadriceps).

Stopping to stretch, I thought "This is about how far I expected to get before cramping ... with any luck I can still make my initial goal of getting through the famed 'hills' of Newton (miles 16 through 20) and not require hospitalization, forever ruin my joints, or suffer a heart attack at the tender age of 22."

The next four miles went by more slowly, but reasonably well; I stopped and stretched periodically and was still able to smile and wave to people while they cheered me on.

Going into the Newton hills, I started to cramp more often, which was kind of annoying because I felt aerobically fine. I measured my pulse once and it was around 200 beats per minute, which kind of worried me.

"Heartbreak Hill" finally came up, and the only reasons I could recognize it (people often have trouble distinguishing between the various hills by this point) was because of the big banner above it saying that this was the place, and that I had seen it on TV the night before.

Personally, I felt that the hill was overrated

— I guess that by that point of the race, I had expected to be running up a ski slope. Of course, my stride was down to about a foot-and-a-half by that point, so the contours of the course had substantially less effect.

Don't get me wrong — it was tough to run, but I somehow expected more. Sure enough, there was yet another hill lurking after the plateau of Heartbreak Hill, but I think I had to walk that one because of cramps.

The last seven miles were pretty harsh — I got into a rhythm that went something like: jog for a couple hundred yards, cramp, stop, stretch (and moan and curse), walk, and start the whole cycle over again. This happened so many times that I can't even begin to imagine how many times I had to stop.

I kept looking at my watch and decided that I was never going to catch site of my friends at Massachusetts and Commonwealth Avenues (about the last mile of the race), since I told them that I might get there between 3:30 and 4:30. I wondered if I would even break five hours.

But all that mattered to me was finishing (preferably before sundown). I had almost decided not to run it because of foot problems and an over-cautious attitude to keep from permanently damaging my body, but I was instilled with considerable religious motivation a few evenings before, and decided that if the Lord Jesus Christ could have suffered so much for the sake of humanity, certainly I could at least try to suffer through a marathon to show a little appreciation.

Anyhow, by the time I was shuffling (literally) through Boston College, the cheers became more along the lines of "You're looking great MIT Crew! You've only got 5 more miles, you can do it!" which translates roughly to "You look like a disaster, but I admire you for being crazy enough to do this, so I encourage you to finish." Either way, it was certainly nice to get support from other college students.

The last five or six miles of the race (before the turn onto Hereford and Boylston

Streets) follows Commonwealth Avenue. Let me tell you, I was pretty tempted to jump onto the T for a few stops. Finally I was able to see the CITGO sign, which took forever and a half to get to. I knew that once I reached Kenmore Square, I was home free, since I knew how far it was from there to the Boston Public Library, where the finish line was.

Getting to Kenmore Square took a while and was painful. It got to the point where I thought that even if I did finish the race, there still was a lot to be desired since I kept cramping. This was in sharp contrast to my thoughts of the first six miles: "If I finish and see my friends there I'm gonna be crying and screaming 'I did it! I finished the Boston Marathon! I can't believe it!'"

I finally got to Mass. Ave. and started getting pumped. When I saw the 26-mile mark, I felt tears coming to my eyes and tasted the victory of finishing the race. The last 385 yards down Boylston Street was simply amazing. There were still big crowds along the sides (it was about 5 p.m. by then) but the runners' field had thinned out considerably.

In a last attempt at feeding my ego, I sped up and waved my arms around, telling the crowd to "make some noise," and loving every step of the way.

Luckily, during the last half mile or so, I didn't have to stop and stretch for cramps, and when I crossed the finish line, I wanted to cry (in joy), laugh, and stretch all at the same time. Instead, I stretched, got my mylar space-suit blanket, and ate and drank plenty of free samples.

Without question, this was one of the most exciting and craziest things I have done in my years at MIT. The first half of the race was considerably more fun than the second half, partly because of the excitement of the start, and relative physical freshness.

Each mile and every fifth kilometer was marked. The kilometer signs got to be mind boggling for me, after 25 (followed by 30, 35, and 40), I thought "Wow — I've never seen a race advertised as this many kilometers before, except for the Ultramarathons — 100 km (62.5 miles) — specially designed for the extra crazy."

All the while, I knew that even after 15 miles (my expected threshold), 11 miles was not trivial. Anyhow, I can only recommend running the entire race to people if they train properly for it (I barely made that qualification), are cautious about it, and never lose sight of their motivation for the race.

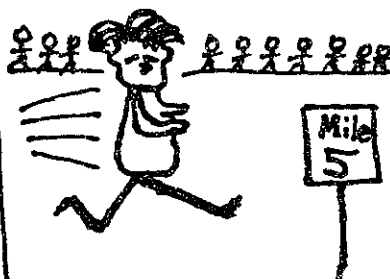
Congratulations and thanks to all marathon participants, finishers, volunteers, and cheerers from the MIT community and everywhere — you made the day for a lot of people.

Opinion Editor Michael K. Chung is surprised at his post-race mobility, but does not plan to run again until after graduation. Any future marathons would probably be for fund-raising purposes only.

Mike's Journal (with apologies to Jim)

By Mike

I ran the Boston Marathon on Monday.



I could see my hair flop around in my shadow most of the way.



It was a fun race, but now it's hard for me to walk.



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LaMacchia Case Raises Legal Questions of Fraud

By Jeremy Hylton
CHAIRMAN

Second of two parts

Last Friday morning, David M. LaMacchia '95 pleaded not guilty to one charge of conspiracy to commit wire fraud in the Boston federal district court.

Much of the discussion of the case, both in the media and on Usenet, has focused on whether

Analysis

software piracy is right or wrong,

and how the government would prove that LaMacchia was involved in pirating software. But lawyers familiar with the case are quick to point out that software piracy is not at issue.

The case will have important implications for "how the principles underlying freedom of speech and of the press will be applied to the world of communications," wrote Harvey A. Silverglate, a lawyer for LaMacchia.

While so much discussion has focused on the legal implications of the case, Professor of Computer Sci-

ence and Engineering Harold Abelson PhD '73 is concerned that people at the Institute have forgotten about the student at the center of the case.

"They've forgotten that he's a

real person. He's a real, 20-year-old MIT junior who's in the middle of a legal test case, and he's facing terrifyingly serious consequences," Abelson said.

If convicted, LaMacchia could

face penalties up to 5 years in prison and \$250,000 in fines.

"I'm really upset at some of the flaming I've been hearing around campus: comments that are extremely stark and also self-right-

eous," Abelson continued. "I wish that the people who are arguing so self-righteously would remember [the consequences LaMacchia faces] and show a little compassion and tact."

The outcome of LaMacchia's case will depend, in part, upon the prosecution's ability to make the wire fraud law, written in 1952 to apply to telephone lines, apply to a case involving computer networks.

The charge that was entered against LaMacchia suggests that the government had trouble finding a specific law that applied to the case, according to Mike Godwin, staff counsel to the Electronic Frontier Foundation. "If you look at the underlying crime, it's not very easy to figure out how his alleged conduct relates to any of them," Godwin said.

"I think the government believes that it would be very hard to prove he was doing it for profit," Godwin said. Instead, the government is using a "general purpose statute [that it turns to] whenever the more specific statutes don't seem to fit — and one of them is wire fraud."

"It's relatively easy to make the wire fraud statutes fit the crime," Godwin continued.

Instead of proving that copyright violations were committed, the government will need to prove two things to win a conviction of the conspiracy charge, Godwin said. First, the government must show that LaMacchia worked with at least one other person to commit a crime. Second, the government must show that the crime, which the conspirators intended to commit, meets all the standards for a wire fraud charge.

In a conspiracy case, the prosecution must prove that two or more people agreed to a plan to commit a crime. It must also prove that at least one person took actions towards carrying out that plan.

The prosecution must also show that the intended actions of the conspirators exactly match standards for the crime the defendants are charged with conspiring to commit.

"If it's conspiracy to counterfeit, you have to map out all the elements of the underlying crime," Godwin said.

Proving the connection to the underlying crime may be difficult in this case, Godwin said. "Although the [wire fraud] statute is pretty broad, it's not so broad that it includes the defendant's alleged conduct," he said.

"Normally in other kinds of fraud crimes, there's some deception. Where's the fraud? Who did he lie to?" Godwin asked.

To commit a fraud, a person must misrepresent him or herself to another person. That misrepresentation must be to the detriment of the other person and the person committing the fraud must gain something of value, Godwin explained.

The indictment prints several files titled README that were placed on the site that LaMacchia ran; it charges that LaMacchia placed them using the aliases "John Gaunt" and "Grimjack."

One file listed SimCity 2000, Excel 5.0, and WordPerfect 6.0 and said, "If anyone has this stuff, I'd appreciate it." Another warned users that if the existence of the distribution site became known it could be "purged" by the "net cops."

Godwin questioned how important the messages were to the case. "I'm not sure they are significant at all." The messages do not prove that LaMacchia deceived the service's users or that he profited from the distribution of the software, he said.

Free speech issues raised

In a defense primer circulated earlier this week, Harvey A. Silverglate, LaMacchia's lawyer, outlined how the case could affect future cases involving computer communications and freedom of speech.

Silverglate said the case has seri-



David M. LaMacchia '95 and his attorneys meet the press in front of federal court in Boston.

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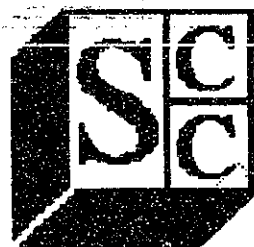
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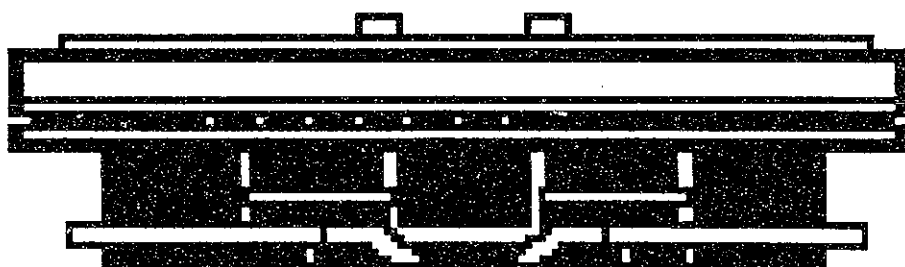
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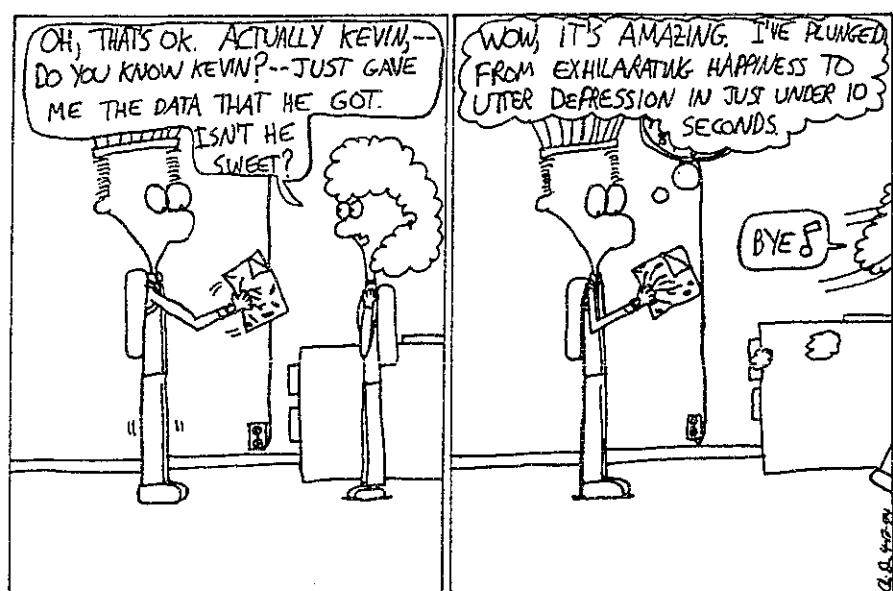
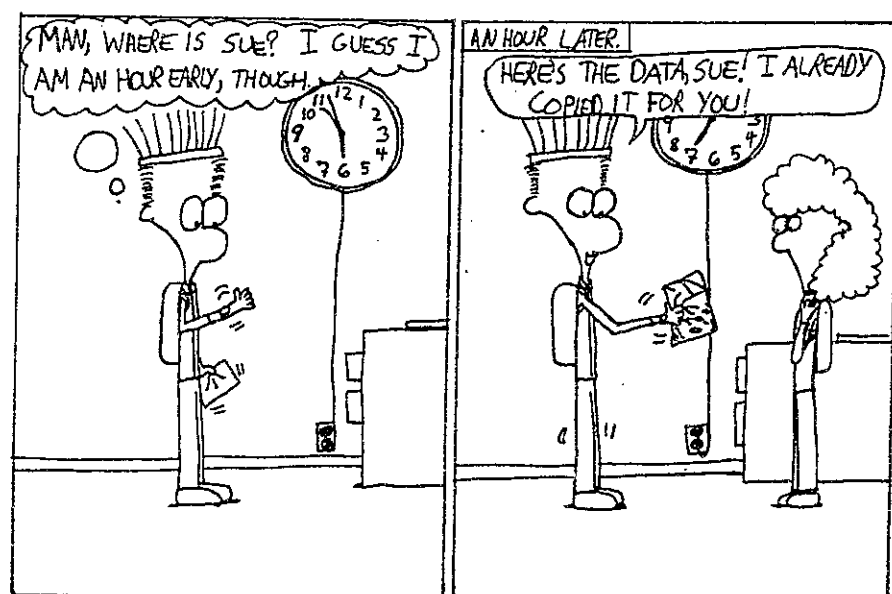
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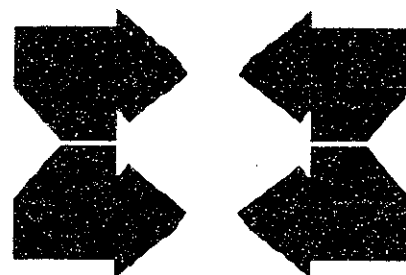
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Nick

By Chris Doerr



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Saturday, April 23

1:30 PM Rabbi Eliyahu Safran: "Ethical Dilemmas of the Hebron Tragedy." *Rabbi Safran is an accomplished, award winning educator, philosopher and author, and is the Director of the Bezael Day School in Lakewood, NJ. He is the author of Passion and Peace: Traditional Torah Thoughts and Contemporary Reflections.*

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Applications are available in the GSC Office. The application deadline is Friday, May 6. Questions? Contact Chris Gittins, cgittins@mit, or Stan Reiss, sreiss@mit.

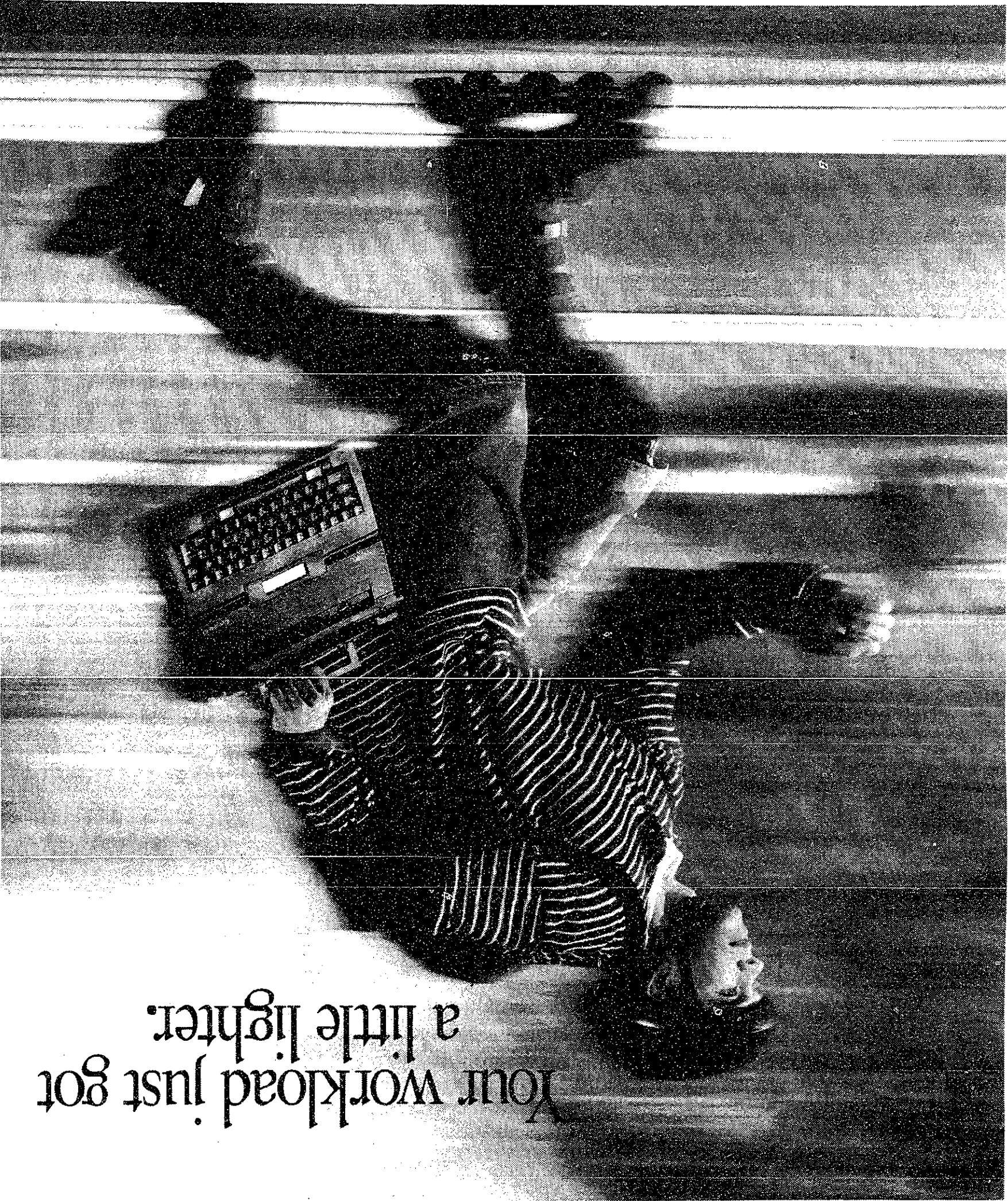
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Resnet Users Face Greater Data Security Problems

MITnet, from Page 1

"Students need to be aware of what the level of security is for data communications when they use Resnet or any other part of the MIT network," Lerman said.

In particular, the privacy of a user's password, electronic mail, zephyrgrams, and files can easily be compromised through the use of programs called network or packet "sniffers." These security risks are greater for Resnet users, although they also pertain to Athena users.

Many Resnet users said they are not sufficiently informed of the security risks associated with their network connection. They also said that they have not received information on responsible, secure usage.

"I think that [Information Systems] should have made this more of an issue. They told us a little about it, but not enough," said Levent M. Talgar '97. "It would be best if they told us initially about the problems."

Packet "sniffing" prevalent

While packet sniffing programs are legitimately used for network diagnostics, they can be used to read data to or from other users, said Michael Barrow '93, consultant for Distributed Computing and Network Services. In addition, they are commonly available and can be found on local AppleShare servers and on public Athena workstations.

"Packet sniffing is a potential problem on any of MIT's existing networks as well as virtually all networks other than those explicitly designed for secure communications," Lerman said.

These programs allow a user to read others' files, e-mail, and zephyrgrams as they travel over the network. "By default, all data to and from any Athena service other than passwords is sent 'clear text,'" Lerman said. "Any computer on the MIT network ... can examine any information that 'passes by' on the local subnet."

Additionally, passwords are not encrypted when a user uses Telnet or File Transfer Protocol to connect to a remote site, as they are when a user logs into an Athena workstation.

"If you Telnet, then you are toast. Anyone who can monitor the [network] can see your password," said Jeffery I. Schiller '79, network manager for DCNS, in a meeting with the Residential Computing Consultants.

It is not possible to detect snoops who use such utilities. "You can't [find out] if people are sniffing [your data]," Schiller said. "You don't know."

Resnet applications limited.

"Resnet is a necessary part of a computing infrastructure that makes it possible for students to do much of their computing in their residence rather than public clusters," said Lerman said.

However, "to the extent that people find they need to Telnet to get to a service, rather than using a service directly on their personal computer, they are forced to expose their password to the network," Jerome H. Saltzer, former technical director for Project Athena.

"Coincident with the introduction of Resnet, the entire Athena

system could have been made available on the Macintosh and the PC. That availability would have reduced the problem substantially because passwords would then never leave the owner's workstation," Saltzer said.

"It is one of the biggest loopholes that they should have worked out before they put the system up," said Rodgerick Newhouse '96, a student connected to Resnet.

Lack of awareness also a problem

Many users connected to Resnet said they were unaware of the security issues involved and that IS never made them aware of the problems.

While security issues were discussed at introductory Resnet meetings held in January and February at each of the dormitories, very few students attended these meetings, Barrow said.

Of 16 Resnet users interviewed, only two said that IS had informed them of the issues. The others were either unaware of the problem or were exposed to these issues from other sources.

"When I hooked up to Resnet, they didn't mention anything to me," said Yi-Hsiu E. Chen '96, "I didn't know about those things. I think [IS] should make people aware."

Many students believe that IS should actively publicize security issues in order for students to better protect themselves.

"Somebody will find out about [packet sniffing]. People are not stupid around here," said Anand R. Radhakrishnan '96. "If I don't know about it, then I won't take the proper

measures into account."

"People only hear [about these issues] after the problem has been found and solved," said an RCC who wished to remain anonymous. "There should be some kind of information, because completely hiding it increases paranoia. There needs to be a freer flow of information."

Education, technical fixes necessary

Many people agree that the best way to deal with the security issues is to educate users about the possible risks so that they can properly protect their data.

"Education is always the key to whatever solutions you have," Barrow said. "If people are sloppy, then the crackers will always get in. You can't have a purely technical solution. It has to be a complete solution or there will be a weak link in the system."

"As a general rule, I am in favor of the widest possible disclosure of security holes that are discovered," Saltzer said. "That is the best way to alert users of their vulnerability and also because it is the best way to

bring pressure on the system designer ... to fix the vulnerability."

"People should know what data is available to the casual observer, and learn to protect anything which they feel no one should be able to see," Atkins said. "If users protect their information, then that limits the ability of attackers to use that information to their advantage."

In addition to educating users, IS is working on solutions to the problems, Barrow said. However, Barrow emphasized the development of a permanent, long term solution over a less secure, short term one.

"We don't want to just throw together some mish-mash thing and call it security," he said. "We don't bother with 'neat hacks.' People will figure them out."

Approximately two weeks ago, a version of the telnet program was installed on each of the dialup machines, which allows users to encrypt all of their data sent across the network. According to Erik L. Nygren '96, this telnet program is still being tested.

(Daniel C. Stevenson contributed to the reporting of this story.)

Snooping on Athena and MITnet

W20-575-90.MIT.EDU -> ARILINN.MIT.EDU UDP D=2103 S=2104 LEN=885

8008.MESSAGE.PER
SONAL..danspot@A
THENA.MIT.EDU.er
icolaf@ATHENA.MI
T.EDU.Class \$cla
ss, Instance \$in
stance:.To: @bol
d(\$recipient) at
\$time \$date.Fro
m: @bold(\$1) <\$s
ender>..\$2.0x000
00000.0/250.0x12
BB006F 0x2DB6A8D
2 0x000094C1.A S
nooped Zephyr. T
his zgram is a
test of sending
a PRIVATE zephyr
over the networ
k that can be sn
ooped. Notice th
at all the text
appears clearly,
for any user on
the same networ
k as the sending
or receiving co
mputer.

Snooping a zephyrgram

A user (danspot) logged on to an Athena workstation (w20-575-90). The user sent a zephyrgram to a friend (ericolaf). Meanwhile, a malicious user on another workstation on the same network ran the snoop program and was able to see the entire contents of the zephyrgram as it traveled across the network. The text and relevant portions of the zephyrgram are shown in bold — the other text and the formatting are the result of the snoop program.

actual text of zephyrgram sent by user danspot

Snooping a login

A user (dan) telneted to a dialup machine (al-forno) from another workstation (w20-575-90). The user's name and password travel as clear text across the network. A malicious user on the same network can snoop the name and password.

(The username and password have been changed for security purposes.)

Compiled by Daniel C. Stevenson

AL-FORNO.MIT.EDU -> W20-575-90.MIT.EDU TELNET R
port=32431 login:

W20-575-90.MIT.EDU -> AL-FORNO.MIT.EDU TELNET C

port=32431 d

W20-575-90.MIT.EDU -> AL-FORNO.MIT login: prompt

port=32431 a and username

W20-575-90.MIT.EDU -> AL-FORNO.MIT

port=32431 n

AL-FORNO.MIT.EDU -> W20-575-90.MIT.EDU TELNET R

port=32431 Password:

W20-575-90.MIT.EDU -> AL-FORNO.MIT.EDU TELNET C

port=32431 t

W20-575-90.MIT.EDU -> AL-FORNO.MIT.EDU TELNET C

port=32431 e password traveling

W20-575-90.MIT.EDU -> AL-FORNO as clear text

port=32431 c

W20-575-90.MIT.EDU -> AL-FORNO.MIT.EDU TELNET C

port=32431 h

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Wire Fraud Charge Makes 'Easy Fit' for LaMacchia Prosecution

Piracy, from Page 6

ous implications for people who operate computer bulletin boards. Godwin agreed with that characterization of the case.

"It's very clear that ... what they're trying to do is to create a conspiracy to make him liable for everyone who used that [File Service Protocol] site," Godwin said.

Silvergate questioned whether system operators should be held responsible for everything that users do while logged onto their systems. The Constitution "has long conferred special protection on those engaged in the activity of maintaining communications media," Silvergate said.

Godwin suggested the analogy of prosecuting the *Boston Phoenix* because some of its adult services advertisements were really fronts for prostitution. "The *Phoenix* has ads for escort services and massage parlors that the editors clearly know are fronts for illegal activities. You'd have to be stupid not to, but no one says that the *Phoenix* is aiding and abetting," he said.

The question is whether First Amendment protections "should apply fully to those in the print medium," Silvergate said. "Because the law has been slow in adjusting to the age of digital communications, there have been relatively few legal tests of the scope of First Amendment protections in cyberspace."

Though the law's slow pace in

adjusting to changes in technology can be frustrating, Professor Randall Davis, associate director of the Artificial Intelligence Laboratory, cautions that the slow pace may be just what is needed.

"There's a long-term perspective

that is particularly important, even though it's frustrating when dealing with a fast-moving technology. We should give that long-term perspective its due because people will likely have to live with the laws for a long time," Davis said.

Events Will Benefit Many Organizations

Spring Weekend, from Page 1

holding Las Vegas Night. Money raised from ticket sales will go to Childhelp USA, a charity organization that fights child abuse, according to Michael H. Joo '95.

At the same time, the UA Social Council's Karaoke Pub Night will feature a 10-foot video screen and video disc jockeys. "It's kind of like a Strat's Rat, except the students are the entertainers," said UA Social Chair Rahul A. Saha '94.

Tomorrow, Sigma Chi will host the Spring Intercollegiate Greek Shootout, a basketball tournament between members of fraternities and sororities of MIT, Tufts University, Boston University, and Northeastern University. Proceeds will benefit the Genesis Fund, a charity that helps children with birth defects.

Alpha Phi's "Alpha Phlea Market" will raise money for the American Heart Foundation. Participants will perform short acts on the Student Center steps, then auction services such as free tutoring, chauffeuring, or laundry service, to the audience members.

East Campus's spring picnic tomorrow afternoon will feature several bands: Famous People, the Herman Johnson Quintet, and Good Rain. The food and music are scheduled to last until 9 p.m. this year, since "[the picnic] was going pretty strongly up till 8:30 last year," said Daniel D. Hurda '95, East Campus social chair.

As the day draws to a close, Sigma Iota Phi will host "A Night at the Improv" at Lobdell, featuring MIT's improvisational comedy group Roadkill Buffet, as well as groups from Wellesley, Tufts, Bowdoin, Brandeis, and Emerson.

At the same time, the Student Center Committee will hold its annual spring concert in Johnson Athletic Center, featuring Belly with Cold Water Flat.

Spring Weekend '94 ends with the "Sundae Sunday" bash in Kresge Oval, hosted by the class councils.

Weekend benefits Project America

Funds raised at Las Vegas Night will benefit Project America, a non-profit organization founded in 1991 by Danielle C. Goodman '95, Joo, Jorey E. Ramer '95, and three students at University of Pennsylvania.

Project America began as an effort to coordinate a national community improvement day, Joo said. It is now sponsored by over 200 national organizations and corporations and several U.S. Senators and mayors. "We wanted the casino night to be the kickoff for Project America, to raise funds and awareness, starting here, since it was founded by MIT students," Joo said.

In May, Project America will start a major media campaign to "spread the word, city by city," Joo said. Advertising companies have donated money for Project America advertisements in *Time* and *Newsweek* magazines, and Project America's founders hope to begin an annual nationwide community service day scheduled for Oct. 15, 1994.

The UA donated the \$4,000 necessary for the Casino Night equipment, and over \$5,000 in prizes, donated by local retailers, will be raffled there. Prizes include a futon, gift certificates from record stores and restaurants, two Stanley Kaplan test review courses, 1,000 Club Europa tickets, and a weekend at the Marriott Hotels, Resorts, and Suites.

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Principal Research Scientist
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Bricks, Noise and Zebra Stripes: Progress in Texture Modeling

March 22
Professor Barry Vercoe
Teaching Your Computer To Play by Ear

April 26
Professor Michael Bove
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MIT's Gamelan Galak Tika presents the music and dance of Ball in Gamelan Sekar Jaya held in the Sala de Puerto Rico yesterday evening.

HELEN M. LIN—THE TECH

Officials Give Hints on Security

Security, from Page 1

Choosing a Password." To make a password obscure, a user "might deliberately misspell a term or use an odd character in an otherwise familiar term," the guide says.

Safe passwords consist of a combination of letters and numbers of at least six characters in length, and should not be any kind of common name or word in a dictionary, according to the guide.

"Never give your password to anyone under any circumstances, especially to people claiming to be system administrators," said Erik L. Nygren '96, a Course VI-3 major who often advises computer users. Systems administrators should never need to know a user's password, Nygren said.

Another security concern both in the Athena clusters and on MITnet is "packet sniffing." Using publicly available "snooping" programs, malicious users can read any data

coming from or going to a particular computer on their local network, Hudson said.

"Avoid sending your password over the net in the clear" to prevent other users from snooping them, Nygren said.

Resnet users should try to use applications on a local machine whenever possible, said Michael L. Barrow '93, consultant for Distributed Computing and Network Services. "If they are using native applications, they won't be typing their passwords across the network."

Electronic mail vulnerable

"Probably the easiest and most malicious thing a disruptive user can do to another user's account is to forge e-mail from that user," Hudson said. Because electronic mail is not an authenticated service, a user does not need to know another user's password to send mail that appears to be from that user, Hudson said.

To protect electronic mail, users can encrypt their messages and sign them with digital signatures. "There are a number of programs available to students to help protect their data, and each program has its particular features that would make it desirable in certain applications," said Derek A. Atkins G, former chairman of SIPB.

"For e-mail there are a number of programs, like RIPEM and PGP which people can use to encrypt and sign e-mail to prevent snooping and spoofing [forging]," Atkins said. "These [programs] allow users to send messages so that only the intended recipients can read them and also allow users to digitally sign the messages so that everyone knows that that message came from the user."

Users should "be aware that using PGP within the United States is legally problematic due to the patents" on the encryption algorithm, Hudson said.

UROP Deadline Is Moved to April 27

UROP, from Page 1

be made," Merritt said. The applications will be evaluated on the quality of research by the UROP office and department coordinators, Merritt added.

Students will be notified about funding by about May 2, according to Shoap.

Faculty, students concerned

Both faculty and students have been concerned about UROP funding and how far the \$1 million commitment to UROP by the Provost will stretch.

Jennifer L. Daigle '96, who applied for a summer UROP, said, "Definitely, there was confusion. I was confused, my supervisor was confused." However, she added that her supervisor "was pretty willing to find a way to get me funding."

"I think a lot of faculty members in the Physics Department had cut down on the number of UROPs they planned to have for the summer," said Professor David E. Pritchard, the Department of Physics UROP supervisor, "though I think that the

[\$1 million] infusion definitely caused them to hire more UROPs, especially to students in their group who had been working for pay."

Shoap added, "The \$1 million infusion is literally a Band-Aid to get through the summer. The [funding situation] will come up again."

At the least, the deadline extension will give more time for students to find a UROP. Daigle said, "It's good especially for me, because I was running a little bit late. I'm trying to get UROP office funding, but if that doesn't work, I can get probably get funding from the department."

Cecilia J. Song '95 said, "Finding a UROP wasn't that hard, but funding was a problem." She said that getting full UROP funding was essential. "If I don't get [full funding], there's no UROP."

Daigle said that starting her summer UROP right after her final exams would not be a problem. Song disagreed, "I would rather take a break and come back in June, since there is no penalty for starting later... it's too much to continue right after finals."

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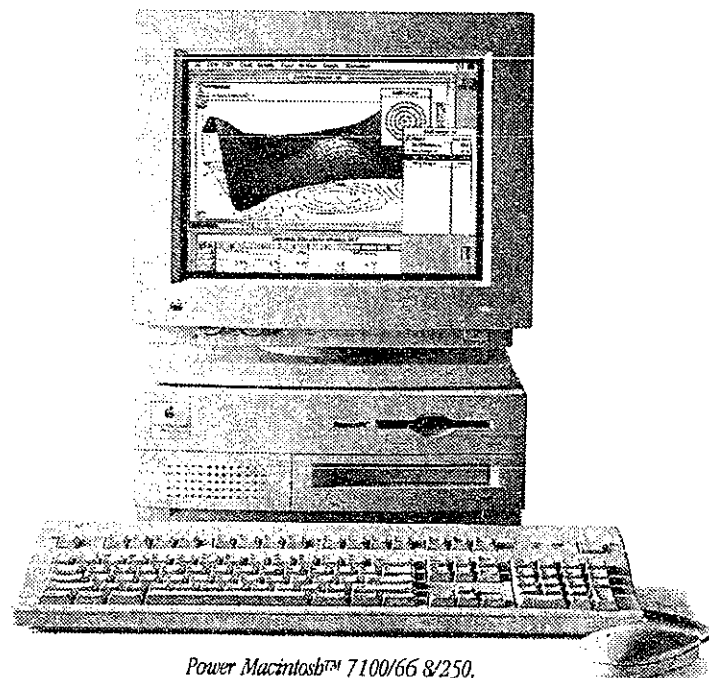
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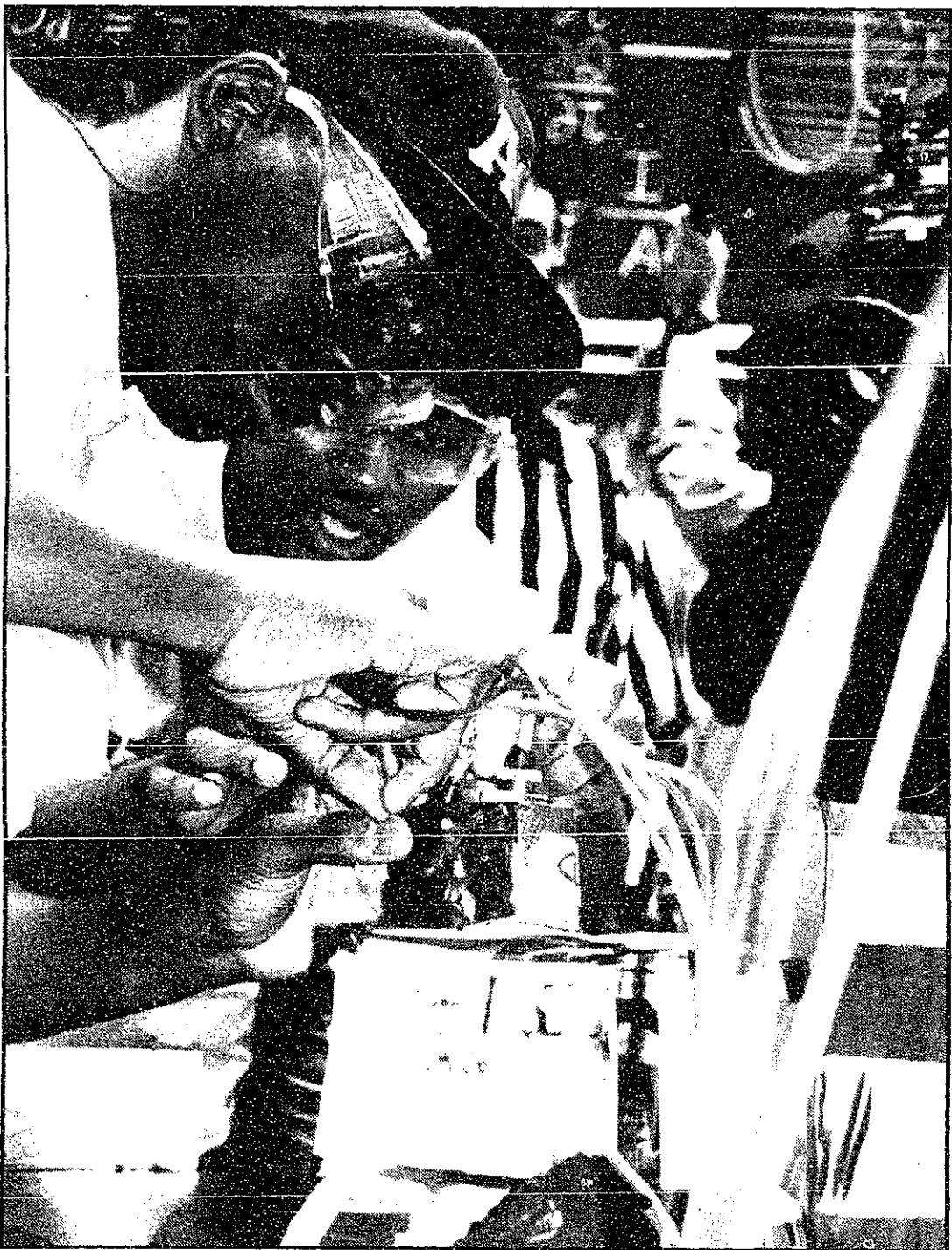
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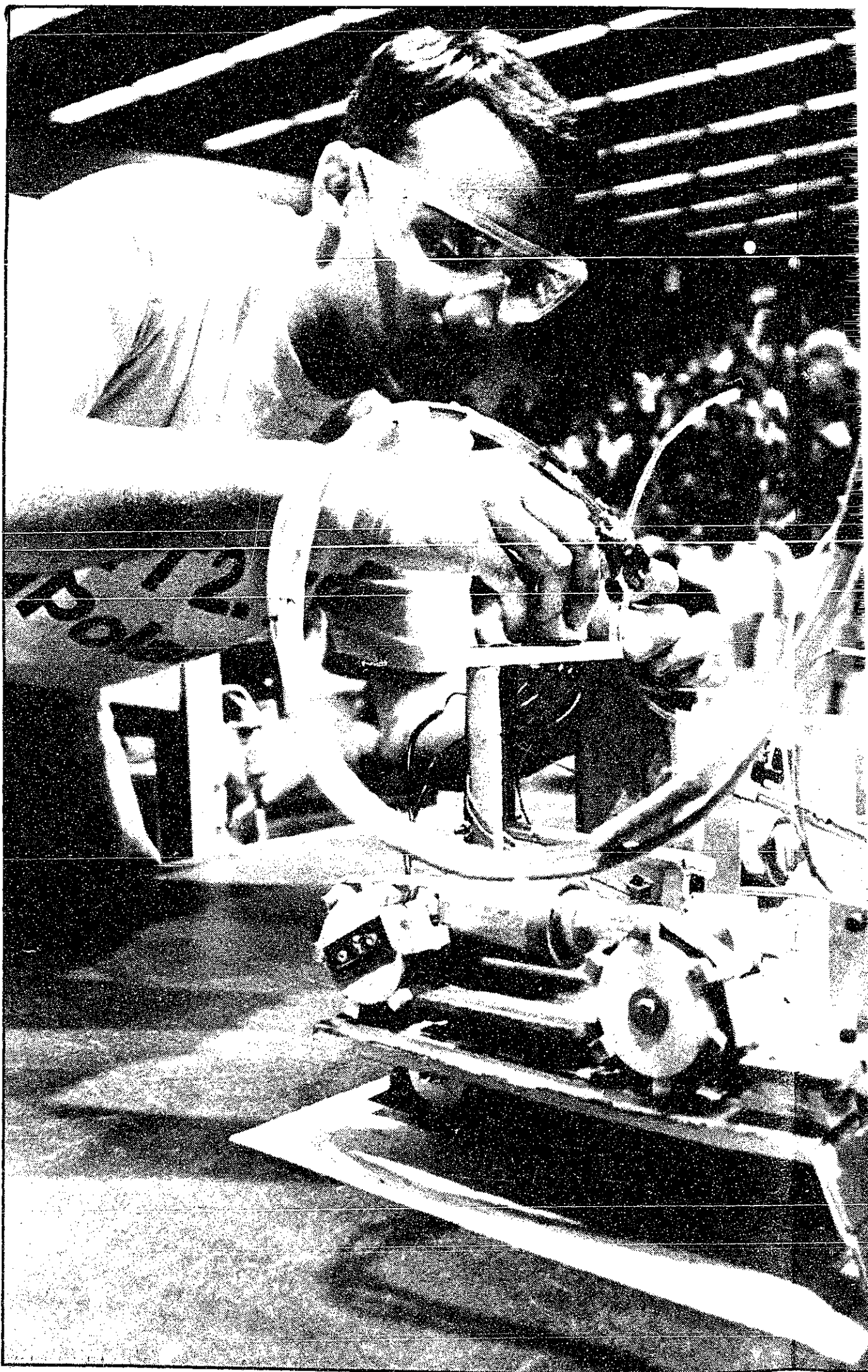
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2.70 Introduction to Design

Photos by
Josh Hartmann,
Thomas R. Karlo,
and Helen Lin



Top left: All 2.70 machines were subject to checks for dimensions and weight.
Top right: Winner Gaurav Rohatgi '96 (right) and his assistant show off the trophy at the end of the competition last night.
Above: Participants plug in power and air pressure to their machines before competing.
Right: Dave R. Das '96 prepares his machine for competition in the first round Wednesday.



Rohatgi Wins 'RoboSoccer' Design Contest

By A. Arif Husain
STAFF REPORTER

After nine rounds of competition before 600 cheering students in 26-100, Gaurav Rohatgi '96 emerged last night as the winner of this year's Introduction to Design (2.70) contest.

In the two nights of competition, Rohatgi's machine bested 189 other robots built this semester by students enrolled in the course.

"The best part of the competition was meeting all the people, helping people out and having them help me," Rohatgi said. "It made me realize how to work with people, and how people feel."

Rohatgi, three semifinalists, and four other students will continue onto the international competition to be held in Tokyo this summer. The semifinalists were Heather L. Howard '94, Hans J. S. Feder '95, and Matthew R. Conway '94. The four other participants, selected by an anonymous panel of judges, were John M. Kerwin '94, Jonathan A. Sheena '94, Abbe J. Cohen '96, and David F. Ackerman '96.

The international competition will include representatives from Cambridge University in England, Technische Hochschule Darmstadt in Germany, Poli-U São Paulo in Brazil, Seoul National University in Korea, and the Tokyo Institute of Technology. Each team will consist of six people, one from each participating country. Thus, the contest will emphasize communication and cooperation, rather than competition

between countries, said 2.70 Lecturer Harry West Ph D '86.

This is the last year West will coordinate the 2.70 competition. After seven years of dedication to teaching the principles of design at MIT, he will now turn to design work with the Design Continuum. West received great praise for spreading the idea of the 2.70 competition to a number of foreign countries and for keeping the course on the forefront of design. He was presented with a soccer ball signed by all of his students.

RoboSoccer

This year's project was to play a game of "RoboSoccer." The goal was to propel a soccer ball into a goal at the opposite end of the rectangular playing field. If no goal was scored, the machine that did not have the ball on its half of the field at the end of the match was declared the winner. Each contest lasted only 30 seconds.

The contest started in early March, when each student was given an identical kit of parts. These included items common to mechanical engineering — motors, springs, cardboard tubes, wood, aluminum bars — as well as a few less common items — diodes, a mirror fragment, and a blue plastic robot head.

The kits were made possible by contributions from the Department of Mechanical Engineering and over 30 sponsoring organizations, including Ford Motor Company,

Polaroid Corp., General Electric, Sumitomo, Digital Equipment Corp., and 3M.

The 2.70 contest marked the "celebration of [the students] work, not an evaluation," West announced before the competition. Contestants exhibited a variety of design techniques in their machines. While most machines tried to capture the ball, many used of ramps, projectiles, and robotic arms to aid in their functional goal.

These innovative designs were the prime emphasis of the competition, according to Lecturer David G. Meeker, a lab instructor and employee of Digital. "I'm looking for new design concepts, clever ideas, and unique uses of materials," Meeker said. Before the competition, Meeker photographed particularly exceptional machines to inspire design ideas in future students.

Apart from the general design obstacles, students were also given specific size and weight limitations. Each machine had to weigh less than 4 kilograms and fit within a box 30 centimeters on a side.

Preliminary round more informal

Wednesday night's competition eliminated many of the 190 machines entered. While the referees tried to maintain fairness, the event had an air of informality, with an emphasis on entertainment. Many losing machines advanced to Thursday's competition with a "double win" if the judges felt the

machine demonstrated a creative or innovative design. Occasionally, an outburst from the audience was enough to sway the decision to a "double win."

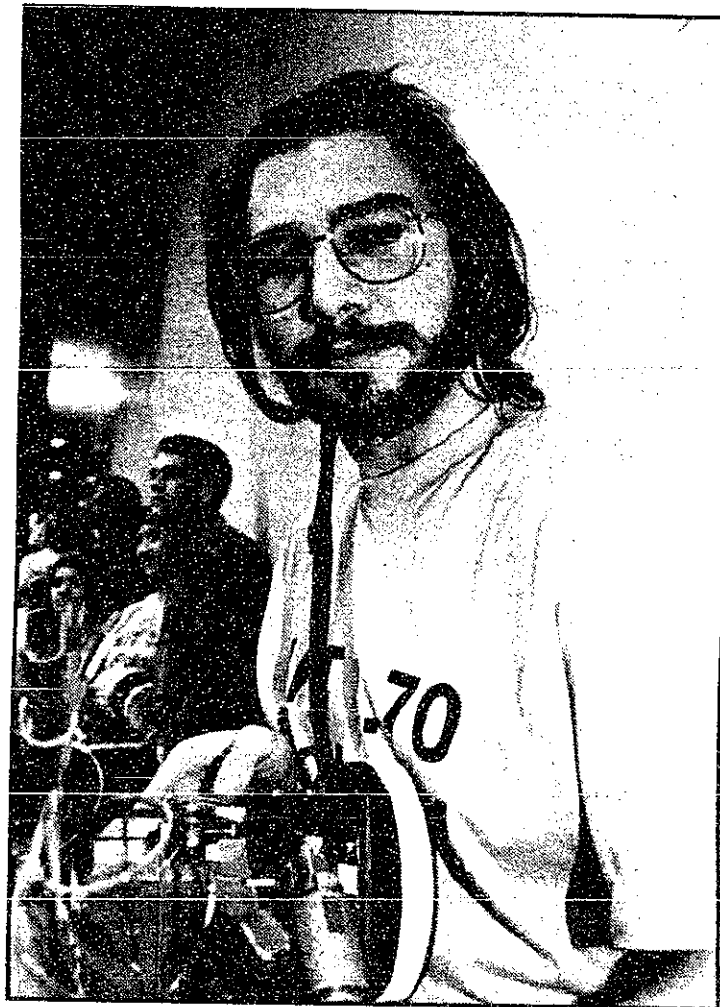
Despite the relaxed attitude from the crowd, the participants could not fight the tension and anxiety as they waited their turn. "I have nothing insightful to say at this point," Sameer Raheja '96 said as he waited in line to compete. "I just hope it fits in the box."

In between rounds, participants and audience members were entertained by the placebos, exhibition machines designed by lab instructors, outside groups, and former students.

Other schools present

Although the 2.70 contest was mostly an Institute event, other groups were present. Two teams from the Netherlands participated as international visitors. The teams represented the three Dutch technical schools Delft, Twente, and Eindhoven. They were chosen to compete as a result of their wins in a design contest organized by West in Holland last October. Neither team made it very far in the actual competition, but an exhibition match was held between the two teams, and the winner was awarded a trophy.

In addition to the foreign visitors, two local high school students from Cambridge Rindge and Latin High School exhibited their machines.



Above left: John C. Hctor '96 and his assistant compete in the first round Wednesday.

Left: Senior Lecturer Harry West PhD '86 starts a round of competition last night.

Above: Hani M. Sallum '96 shows off his machine while waiting to compete Wednesday.

THE ARTS

Killer's Bar and Terminal Head explore death theme

KILLER'S HEAD AND TERMINAL BAR

MIT Theater Arts: student theater workshops.
Killer's Head written by Sam Shepard.
 Directed by Kim Mancuso.
 Starring Tom Stahovich G.
Terminal Bar written by Paul Selig.
 Directed by Andrew Kraft '95.
 Starring Tom Stahovich G, Jeff Harings '95,
 Erin Lee Sousa, and Sarah Pearlman.

By Craig K. Chang
 STAFF REPORTER

Dramas about terminal illness have appeared ever since disease ravaged its first life. They reveal the vulnerability within us all to the cruelty of disease, the imminence of death. A special humanity unfolds as death approaches. Even a mysterious disease that does its work silently, that claims the lives of those unknowing of its identity, converts once brave and perfect men to victims of desperation and disillusion.

Last weekend, the performances of Paul Selig's *Terminal Bar* attacked this topic by following the lives of three people who seek refuge from a mysterious "plague" in an abandoned bar in New York. They live in an era of decay and fear; every newscast over the radio mentions the "plague" that apparently resembles a number of modern sexually transmitted

diseases, but especially AIDS.

The scope of this mysterious disease is wide — the three victims come from varying backgrounds. Martinelle (Erin Lee Sousa) is an experienced hooker. Dwayne (Jeff Haring) is a gay teenager outcast by his family and friends. And Holly (Sarah Pearlman) is a married woman who left her husband.

All three refuse to accept the reality of their illness, and they grapple with repressed emotions and insecure identities. Martinelle clutches onto her vision of ideal beauty in herself and in her handsome boyfriend Charlie, Dwayne hides behind the supposed shield of his youth, and Holly pretends to be pregnant to account for her sickness.

In the dark bar, the characters grow increasingly unsure of their identities among the chaos disease has brought to their world. Their narrow outlook, which had protected them from the reality of a world crumbling before their eyes, slowly disintegrates. Charlie's rotten corpse replaces Martinelle's vision of perfection. She begins to remove her make-up. The grandeur of New York city comes to remind her only of a world turned ugly.

Sousa gave a brave performance as the enchanting and cheap Martinelle, who peels away her mask of a shallow prostitute to reveal a vulnerable girl just as fearful and insecure as everyone else. Pearlman gave a

remarkable performance as Holly, a quirky woman who gives up her conservative views to befriend Martinelle and Dwayne.

The play flirts with the idea of a surface world brought to inexplicable life by disease to reveal an emotionally shattered and empty existence. The bizarre lifestyles of the characters seem to reflect a predominant hunger for sex and life that is borne out of repression and the fear of dying alone.

Yet the play's motives are difficult to decipher because it toys with humor, melodrama, and bold generalizations at the same time. The play relies on a number of histrionics, on people breaking down emotionally. This state of chaos the cast illustrates well, but the play remains flawed in its disperse scope. Too often, we cannot grasp who the characters are, for the author's voice and opinions slip in between the lines. When things become difficult, Selig uses a convenient sweep of angry melodrama and a conventional aphorism to resolve the problem.

The play, though, does have its moments of tenderness. As the city becomes more and more uninhabitable, the characters seek refuge in, of course, themselves. With only a hole separating their island of hope and the death they fear, the best they can do is remain a team of survivors, despite their imminent death. Here Dwayne consoles Martinelle,

finds the warm shoulder to cry on, and at last, humanity appears even amid a sea of despair.

The other program in the student theater workshop also chased this theme of human life at the brink of death. Blackness filled the room and enveloped a stark lamp over an electric chair seating a visitor of death row. This prisoner was Mazon of Sam Shepard's "Killer's Head," which gave us a glimpse into the mind of a killer about to be put to death.

As Mazon, Tom Stahovich delivered a speech from the electric chair that projected an eeriness much like every other aspect of the production. Blackness waited beside Mazon as he seemed to relive his passion for horses and for cars. The lamp shining over Stahovich as he continued his monologue illuminated a life that was already blindfolded and deemed unworthy. Long, awkward silences broke his speeches to emphasize and foreshadow the black vacuum of emptiness that was to follow.

And when still the speech continued to reveal the details that make up one man's life, the blackness returned, punctuated by the electric fizzle of the execution. This portrait of life in its final moments resonated with vitality instead of a black vacuum, with life instead of death; this irony of verve contrasting the foreshadow of death magically revealed that behind every killer is a man.

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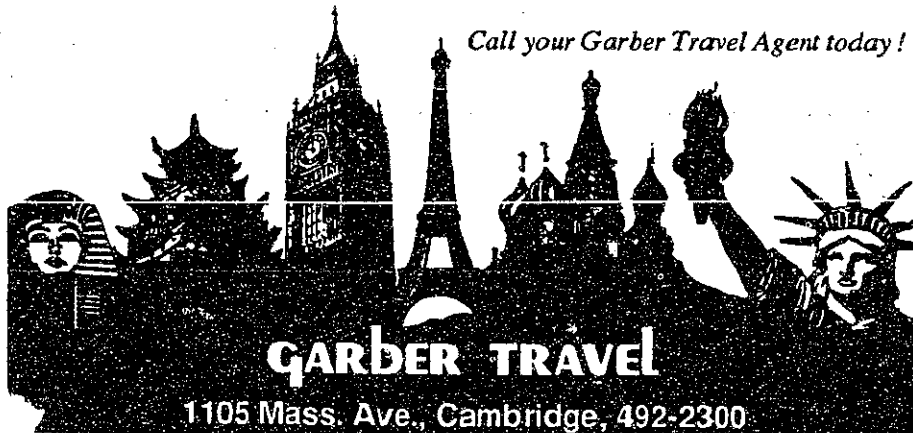
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Khan masterfully performs Indian Classical music

ALI AKBAR KHAN

At Kresge Auditorium.
April 16, 1994.

By Adam Lindsay

STAFF REPORTER

Last Saturday, a nearly packed Kresge Auditorium was treated to a rare appearance by the master of the *sarod*, Ustad Ali Akbar Khan. In his first Boston appearance in six years, the world-famous maestro and teacher gave over 1,000 attendees a concert to be remembered for a long time.

Indian Classical music is much more rooted in the passage of time than is any music of the Western tradition. Although artists like Wagner and Tangerine Dream have done much to stretch and alter the passage of musical time, no efforts compare to that which is basic in the Indian tradition. The pieces (*ragas*) themselves are identified by the time of day (morning or night, dawn or twilight) at which they may be played. The performance of the *ragas*, certainly those played on Saturday night, reflects a gradual unfolding of musical gestures increasing in complexity and excitement to a thrilling climax. Ustad Khan clearly demonstrated his virtuosic mastery of time, as well as the *sarod*.

The concert began 20 minutes late, to accommodate the large crowd, with an introduction by MIT Lecturer George Ruckert, who has studied with Ustad Khan. The first *raga* to be performed was *rag Madhu-malati* (which may be translated as "garden of sweets"), an evening *raga* of Ustad Khan's own composition. Ruckert then took his place behind the master on one of the two *tanpura* drone instruments. One would be hard-pressed to mark the start of the music; it grew gradually from the careful tuning of the twenty-three stringed *sarod*, as if Ustad Khan was tapping into a music that had always existed.

The *alap*, or introduction, of the first piece slowly presented the modal basis of improvisation for the *raga*. Through this exposition the mood, or *bhava*, was revealed. The mode was full of chromatic alterations, which suggested a focused, mysterious quality within the meditative prelude. After a strummed section, the *alap* turned to the *jor*, which took on a more active tone — a clear increase in intensity. Intensity became frenzy, as Ustad Khan filled the auditorium with his energy to bring the *jor* to a close.

The second part, or *gat*, of the first piece opened with the same slow, mysterious quality that began the evening. This time Pandit

Swapan Chaudhuri added a strong counterpoint on *tabla*. The young virtuoso played his role as a foil to Ustad Khan in every way. Where Ustad Khan appeared grave, Chaudhuri was affable; where the elder was stately, the younger was active. The counterpoint and interplay of the pitched drums with the *sarod* was intricate, sharing a perception of the beat, and suggesting beats and notes that were not actually played. Chaudhuri played about and around Ustad Khan as the rhythms of daily life ebb and flow about a grander, stronger rhythm of life.

cued, Ustad Khan seized the *raga* and the energy and led into an intense climax in unison with the *tabla*. With the gesture completed, the master put on his glasses, checked the watch beside him and saw that an hour had passed, gave what could be called a perfunctory final gesture, and was finished.

This approach seems a bit strange to Western eyes. However, it had been announced that Ustad Khan would play for one hour before intermission, and indeed he did. The performance was not at all contrived, however; it was paced so perfectly that the climax

mastery, the second half was more akin to observing the master at play.

It was thrilling and fascinating to hear the virtuosic conversations between Ustad Kahn and Chaudhuri. The chief *raga* was *Garamanj*, which acted as "home" for the performance. The joint focus on *Gha* and *Dha*, the third and sixth degrees of our major scale, contributed to the *raga*'s generally "open" and cheery sound. From this basis, Ustad Khan explored more and more complexities, adding chromaticisms (even to the point of exploring other *ragas*, creating a *ragmala*, or "garland of *ragas*"), reaching a high point, and then returning home.

The musicians also played with elements which normally stayed constant. Between the *tabla* and the *sarod* there was continual interplay with the beat, and with the instruments' relationships to and against the established, complex rhythms. All of this exploration was perfectly natural to Ustad Khan and Chaudhuri.

Again, this musical development built into a more intense climax. This one was highlighted by what would equivalently be known in the jazz world as "trading fours." Ustad Khan would present a short phrase which was to be imitated faithfully by Chaudhuri. As could be expected, this process provided a chance for humor, good spirits, and extreme virtuosity. An especially memorable moment was when Ustad Khan ended a figure by going up to the tonic (*Sa*), which was duly mimicked by Chaudhuri, ending on the small pitched drum which sounds the tonic. The figure was then repeated on *sarod*, only up a step. Chaudhuri elicited a chuckle from all, including Ustad Khan, when he repeated the figure, surprisingly and quickly changing the last note to the higher pitch. The excitement thus grew, and with the hour nearing a close the two concluded in energetic unison.

The evening ended with a fourth standing ovation (the others being at both of Ustad Khan's entrances and at intermission) as the audience was led in the singing of "Happy Birthday" to Khansahib (a more affectionate name for Ustad Khan), whose 73rd birthday passed last Thursday. It was a strange, but fitting, celebration of the passage of time to an ageless master of time and music. Likewise, it was a joyous and respectful ending to an evening of music in which all who participated, including those who listened, were brought together in Khansahib's virtuosic artistic vision.

(George Ruckert contributed to the reporting of this story.)



Ali Akbar Khan's fingers dance over his sarod, enchanting his audience with Indian Classical music in Kresge Auditorium Saturday evening.

This grander structure reflected a steady increase in intensity. A rhythmic climax was reached after Chaudhuri knocked aside one of the microphones. Smiling and undaunted, he proceeded with a series of dramatic hits which were met with applause from the audience and an appreciative smile and glance from Ustad Khan. The end section was spurred on by a whispered notice from a *tanpura* player that the end of the hour was approaching. Thus

could not have happened at any other time. Thus the *sarod* master also demonstrated his mastery of time, intensity, and pacing.

The second half of the evening was an hour performance within the Indian Light Classical style. The form differs from the Classical style in that it is less constrained (there may be chromatic alterations). If the first half of the program was the witnessing of proof (as if any were needed) of Ustad Khan's



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Backbeat focuses on Lennon, Sutcliffe interaction

BACKBEAT

Directed by Iain Softley.

Written by Iain Softley, Michael Thomas, and Stephen Ward.

Starring Stephen Dorff, Ian Hart, and Sheryl Lee.

Loews Harvard Square.

By Scott Deskin

ASSOCIATE ARTS EDITOR

Take a look at the Beatles, a group whose mammoth legend is only equalled by the quality of its music. In their eight years of recording, they produced (and shaped) the music that would define much of the 1960s, just as it continues to influence musicians and listeners today. Yet most Beatles fans are influenced by just one aspect of the group's history (Beatlemania, Sgt. Pepper, Abbey Road medleys) or the cookie-cutter caricatures of the band members themselves (Lennon's pessimism, McCartney's idealism, Harrison's mysticism, and Starr's clownish charm). Too often the group's early history is overlooked; first-time director Iain Softley chooses to offer a different perspective in the film *Backbeat*.

The year is 1960, and the band from Liverpool is struggling for recognition in the dark, sleazy, smoke-filled clubs of Hamburg. John Lennon (Ian Hart), Paul McCartney (Gary Bakewell), and George Harrison (Chris O'Neill) all play guitar, with pre-Ringo drummer Pete Best (Scot Williams) and bassist Stu Sutcliffe (Stephen Dorff) comprising the rhythm section. But, as McCartney's character so often makes clear, Sutcliffe's sub-par basslines aren't giving the band much support. Lennon and Sutcliffe (whose presence lent the band a cool, James Dean-like persona) are friends who met in art school, and their friendship is made evident by John's reluctance to cut Stu from the band.

The film doesn't chronicle the Beatles' early history so much as it focuses on the friendship between Lennon and Sutcliffe. From the beginning, their link from the past is significant, and their willingness to stick together is shown in the opening sequence, when both men get beaten up and narrowly escape intact from a bar brawl. In a way,

Lennon feels sorry for Sutcliffe as a starving artist and pitches the band opportunity as his way to give him a shot at success. However, Stu doesn't seem to fit onstage like the others: amidst a storm of thundering guitar, caterwauling vocals, and thrashing performers, Stu stands nearly immobile on bass, wearing shades and occasionally missing a beat. He doesn't get back in line with his true calling (art), until a nightclub encounter with German avant-garde photographer Astrid Kirchherr (Sheryl Lee).

The romance between Sutcliffe and Kirch-

herr may be the weakest part of the movie; whenever it tries to explore a serious moment between the two of them, it succeeds in creating a diversion from the main thrust of the story (rock 'n' roll) into something less enjoyable (a heavy and somewhat pretentious love triangle between Lennon, Sutcliffe, and Kirchherr). It also feels like the story is trying to create a myth out of "fifth Beatle" Sutcliffe, in that buying into the mythology surrounding John Lennon, the audience gets two tortured artists for the price of one. But, whereas Lennon got to face his demons later on, Stu

Sutcliffe's artwork reflects a tumultuous vision—ideas borne of a mind that would succumb to a brain hemorrhage at the age of 21.

When *Backbeat* concentrates on the band itself, the reconstructed history of the Beatles is often fascinating. The covetous position of Paul McCartney to play bass may be a point of mild controversy, as is the argument between Lennon and McCartney that erupts into a perceived allegation of a homosexual relationship between Lennon and Sutcliffe. But the story also alludes to the band members' first experiences with drugs and the diminishing role of drummer Pete Best within the group. Behind all this storytelling, of course, is the music, and while copyright restrictions forbade use of the early Lennon-McCartney songs in the soundtrack, the audience does get to hear flaming interpretations of many classic rock and R&B covers. Indeed, the new versions of "Money," "Long Tall Sally," and even "Twist and Shout" sound as fresh now as they did 30 years ago.

The acting in the film is better than average. Relative newcomer Stephen Dorff cuts a striking, impassioned image as the artist Sutcliffe, while Sheryl Lee (the Laura Palmer character of *Twin Peaks* fame) does her best with Sutcliffe's existentialist lover, Astrid Kirchherr. Admittedly, the doomed lovers are overshadowed by the context of the story, and especially by Ian Hart, who plays John Lennon. Even if Hart doesn't capture the complete essence of Lennon, the physical resemblance is pretty amazing, and his witty, sometimes ascerbic comments keep the story afloat. Since the movie focuses on those three characters, the rest of the cast fades into the background as supporting players: diehard Beatles fans may be disappointed by the lack of characterization among the other band members. Also, the soundtrack and Liverpool accents may make the dialogue a little muddy and hard to pick up.

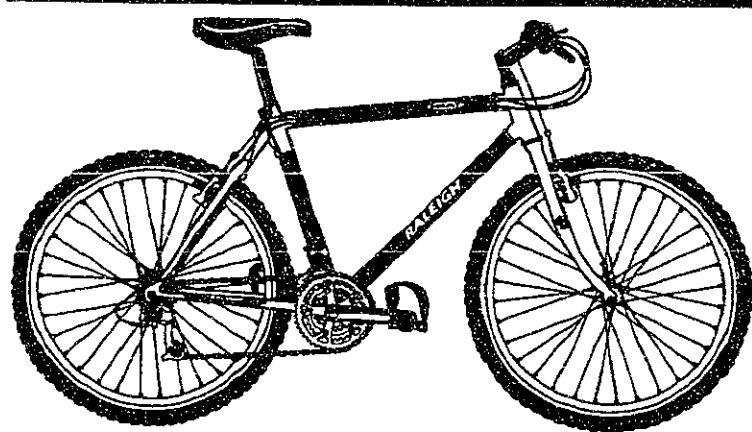
However, if *Backbeat* is not a triumph, it at least succeeds in presenting an alternate history for the Beatles, and it may even convert a few non-Beatles fans. When it works, *Backbeat* gives viewers a unique dose of history and nostalgia to keep them interested. The music's a nostalgic revelation in itself.



George Harrison (Chris O'Neill), Stuart Sutcliffe (Stephen Dorff), and John Lennon (Ian Hart) are bandmates in *Backbeat*.

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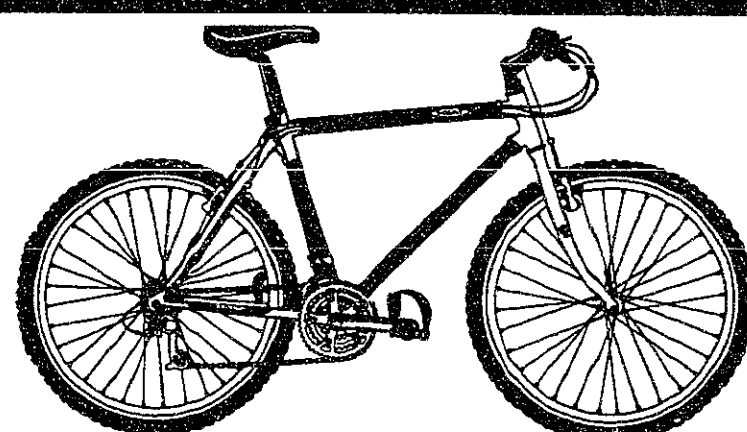
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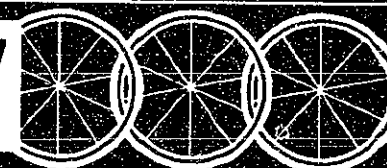
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Ritchie cleverly blends comedy, adventure in *Cops*

COPS AND ROBBERSONS

Directed by Michael Ritchie.
Starring Chevy Chase, Jack Palance.
Playing at Loews Cheri.

By Kamal Swamidoss

Chevy Chase and Jack Palance are back, in this comic film by Michael Ritchie. Chase plays Norman Robberson, a middle-aged office worker from Dullsville, Suburbia who gets an opportunity to live the adventure of his life. Jack Palance is Jake Stone, an ice-cold police detective on the trail of a counterfeiter who happens to live next door to the Robbersons. When Chase and Palance meet, the result is a good balance of comedy and adventure.

Early in the film we see what Norman really likes. When his co-worker asks him an obscure bit of trivia from a forgotten television police show, Norman gives him the correct answer before the man can even finish asking the question. Norman reads the penal code during lunch. At the video store, he tells the clerk that the last 11 seconds have been edited out of the police movie that he rented. Norman Robberson wants to be a cop.

He gets close to realizing his dream when Stone asks him if the police can use his house for a stake-out. Norman is at first hesitant,

because he's worried about the safety of his family, but after a speech by Stone about lone men being the heroes who keep society from lawlessness (this speech tells a lot about both characters), he decides to let them use the house. Although he isn't supposed to get in their way, he manages to almost botch the whole operation.

To Stone's surprise, Norman schemes his way into the crook's house in search of clues. Once inside, he sneaks upstairs when the crook goes to answer the telephone. The film's director, Michael Ritchie, does a good job here of making shot transitions. First, the camera shows Norman snooping around in the bedroom. Next, we see his expression change when something catches his eye. The camera then focuses on the object of his intrigue: the mattress. The scene reveals its humor as Norman slices the mattress open in search of counterfeit bills, leaving seemingly unconvincible evidence that he was there. It's a funny scene and the direction helps communicate the humor.

A comparison between Jake Stone and Curly, Palance's character in *City Slickers*, is inevitable. In both films, Palance's characters are lone men who play a key role in changing the life of the main character. However, Stone evolves away from the solitary figure considerably more than Curly did. At the beginning

of each film, the characters' temperaments are a lot alike, but gradually Stone grows closer to the Robberson family. In the process, he is a part of some very funny scenes, as well as some serious ones.

One of the funniest scenes in the film happens in the middle of the story. In a family meeting, during which Stone explains that family members should not sneak around in the crook's house, Stone's partner suggests that in order to seem like a part of the family, they should do some household chores. He even proposes that Stone mow the lawn. Stone looks up in surprise. During the scene, Mrs. Robberson has been busily going from person to person, making sure that everyone has enough home-made donuts. She isn't at all intimidated by Stone, and when she hears the suggestion, she tells Stone's partner plainly that Jake probably doesn't want to mow the lawn, and that even if he did, his pride is keeping him from saying so now, because it would sound like he's trying to not be boorish. Stone isn't going to let anyone make him look like a ninny; he walks over to Helen Robberson, leans down and looks her right in the eye, and states in the characteristically Palance style, "I don't have a lawn. I've never had a lawn, and if I did, I'd kill it." The next scene shows Palance mowing the lawn in the midday sun, looking like a farmer

fighting to keep a pair of wild plowhorses on the field.

Chevy Chase's character may be reminiscent of his role in the *National Lampoon's Vacation* films, because Chase plays the father character in them, as well. However, that is the only comparison that holds. In each film, Chase plays a father trying to bring his family closer together, but the situations are so different, and the characters are so different, that it's hard to find anything else in common. With the home-making, no-nonsense wife, and the police comedy-adventure, this film presents a new occasion for Chase to dress in what may well be his best suit.

The film is almost purely a comedy-adventure; very few scenes are meant to be serious. The story progresses as Stone and Robberson try to catch the crooks, but the focus is on the comedy they create along the way. In the background, Norman's relationship with his family changes as a result of Stone's presence. The relationship between Stone and the family also changes, and he begins to be a part of their life. There are moments in which the drama enters suddenly and uncomfortably, but Chase is quick to say a funny word and bring back the comedy. He and Palance work together to make *Cops and Robbersons* a well-paced film with some very funny scenes.

ON THE SCREEN

— BY THE TECH ARTS STAFF —

★★★★: Excellent
★★★: Good
★★: Average
★: Poor

★★★½ Addams Family Values

This sequel is as funny as the original *The Addams Family*, with all of the old cast returning. This episode focuses on Uncle Fester (Christopher Lloyd and lots of make-up) and his quest to find love, which he finds (in a way) in Joan Cusack, who plays the nanny for the newborn and mustachioed addition to the Addams Family. This plot is suitably kooky and creepy, but it is Wednesday Addams's (Christina Ricci) antics at summer camp that are truly hilarious, as she exacts her calculated revenge on her neo-hippie, feel-good counsellors. Raul Julia and Angelica Huston are wonderfully motivated as Gomez and Morticia Addams, the heads of this spooky family. Be sure to watch for their version of the masochism tango. All around, the delightful characters make for an entertaining production. —J. Michael Andresen. LSC Friday

★★★★ In the Name of the Father

Daniel Day-Lewis offers a riveting portrayal of a young man named Gerry Conlon who is convicted, along with friends and family, of an IRA bombing of a British pub in 1974. The film addresses the grave injustice that the British government dealt the Conlons, but it uses the relationship in prison between

Gerry and his father Guiseppe (an excellent Pete Postlethwaite) to carry the film's message of hope and redemption. Director Jim Sheridan's pro-Irish bias provides an effective retaliation against England's tendency to make Ireland a scapegoat for the IRA's actions. And Emma Thompson gives a solid performance as the lawyer who struggles to bring freedom to the Conlons. Quite simply, it ranks as one of the best films of 1993. —Scott Deskin. Loews Copley Place

★★★½ Indiana Jones and the Last Crusade

Harrison Ford fights the Nazis once again in this the third film of the Indiana Jones saga. This is the most intellectual stimulating of the three, as Indiana teams up with his father (Sean Connery) to beat the Nazis in tracking down the long-lost Holy Grail. The puzzle that Indiana must solve at the end is nicely conceived and suitably perplexing. Ford is at his best when playing an action hero, especially when he is accompanied by the exciting music of John Williams. The antics and escapades of Hollywood's favorite archaeologist once again prove very entertaining, including the opening cameo by the late River Phoenix as a young Indiana Jones. —JMA. LSC Sunday

★★★ Naked Gun 3½: The Final Insult

From what is promised to be the final chapter in an unpretentious trilogy, this film was anticipated as a letdown but proved every bit as enjoyable as the first *Naked Gun*. Leslie Nielsen reprises his role as the inept Lt. Frank

Drebin, but he has retired from Police Squad to domestic bliss with his career-minded wife, Jane Spencer-Drebin (Priscilla Presley). The plot, as transparent as ever, centers around a terrorist (Fred Ward), his buxom accomplice (Anna Nicole Smith), and a scheme to neutralize the festivities at the Academy Awards. The film is merely a vehicle for the staggering number of lowbrow references, pratfalls, and sight gags, but nonetheless is a streamlined vehicle which can boast more hits than misses. Sometimes the acting appears more brainless than the plot, but Nielsen's mannerisms and the effective Zucker-Abrams-Zucker production values are appealing and transcendent of the material. For mindless entertainment, it's pretty impressive. —SD. Loews Cheri

★★★ The Paper

This day-in-the-life look at a New York newspaper markets itself as a comedy, but credibly mixes elements of drama, mystery, and even romance. It captures the occasional hysteria of the newsroom, and from first sight of *The Sun's* office, the whole movie rushes forward as if in fear of the ever-present deadline. When Michael Keaton, as the manic metro editor, faces off against managing editor Glenn Close in yet another mega-bitch role, sparks and stinging one-liners fly faster than newsy rumors. Under the masterful direction of Ron Howard, the star-studded cast shows us how to laugh and learn about life, just in time to get the news out. —Ann Ames. Loews Cheri

★★★ The Ref

It isn't *The Fugitive*, but *The Ref* does okay in its own right. Denis Leary plays a man running from the law in this comedy by Ted Demme. After goofing up a burglary, Leary's character takes Caroline and Lloyd Chasseur (Judy Davis and Kevin Spacey) hostage while waiting for his escape. The film covers two hours of Leary's attempts to stay on top of his predicament, despite visits from the couple's son and various in-laws. The film is full of funny scenes, most dominated by Leary, but there are also serious moments. Both sides of the spectrum are acted well by the whole cast. —Kamal Swamidoss. Loews Copley Place

★½ Threesome

Writer-Director Andrew Fleming tried to create a film about college life but ends up with a weak look at the struggle of one confused student who is trying to determine his sexual orientation. Eddy (Josh Charles) is attracted to Stuart (Stephen Baldwin) who is attracted to Alex (Laura Flynn Boyle) who is attracted to Eddy. The film's premise, which finds Alex mistakenly placed as a roommate to Eddy and Stuart, is overplayed in importance and only distracts from the initial presentation of the characters. Overall, the film would have been much better had Fleming either concentrated on either the development of Eddy's character or on the interaction of all three characters. —PM. Loews Harvard Square

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Boston Symphony Orchestra. Symphony Hall, 301 Massachusetts Ave., Boston. April 22, 1:30 p.m.; April 23, 8 p.m.; and April 26, 7:30 p.m. Admission: \$20-\$57. Information: 266-1492. The BSO, led by Dutch conductor Bernard Haitink, will premiere British composer Mark Anthony Turnage's "Some Days," featuring mezzo-soprano Cynthia Clarey in her Boston Symphony debut. Also will feature Britten's *Four Sea Interludes* from "Peter Grimes" and Brahms's *Symphony No. 1*.

MIT Concert Choir & MIT Symphony Orchestra. Kresge Auditorium, April 22, 8 p.m. Admission: \$10, \$5 for students/seniors. Tickets available at the door, from the MIT Museum Shop in the MIT Student Center, or by calling the MIT Concerts Office at 253-2826. Information: 253-2826 (M-F, 9-5). Both MIT groups will collaborate, under the direction of John Oliver, in a performance of Giuseppe Verdi's *Requiem Mass*, which will feature four professional soloists: Dominique Labelle, soprano; Mary Westbrook-Geha, mezzo-soprano; Mark Evans, tenor; and Mark Ali-apoulos, baritone.

Handel & Haydn Society. Symphony Hall, 301 Massachusetts Ave., Boston. April 22, 3 p.m.; and April 24, 8 p.m. Admission: \$17-48; \$7 student rush tickets (one per person) available at 12-1 p.m. and 5-6 p.m. for the 3 p.m. and 8 p.m. shows, respectively. Information: 262-1815. The H&H Society period orchestra performs "Spring Suites": Bach's *Orchestral Suites No. 1* and 3; Georg Philipp Telemann's *Water Music* and *Don Quixote* suites. Directed by Daniel Stepner, violin.

Lavazza String Quartet. April 22, 8 p.m.: St. Paul's Church, 15 St. Paul Street, Brookline. April 26, 8 p.m.: Emmanuel Church, 15 Newbury St., Boston. Free admission. Information: 327-3787. John M. Williams, violin; Brynn Albanese, violin; Frances Rios, viola; and Jan Pfeiffer, cello. Program: Haydn, Korngold, and Beethoven.

MIT Senior Student Recital. Killian Hall (Room 14W-111), April 23, noon. Free admission. Information: 253-2906. Adrian Childs '94, piano. Program includes works by Bernstein, Child, Childs, Copland, Kobalevsky, and Persichetti.

Berklee College of Music. The Mall at Chestnut Hill, Route 9 & Hammond Parkway, Chestnut Hill. April 23, 2-4 p.m. Information: 965-3037. Paul Schmeling, piano; with John Repucci, bass; Debbie Larkin, vocals.

MIT Premiere Orchestra. Kresge Auditorium, 84 Massachusetts Ave., Cambridge. April 23, 3 p.m. Admission: \$1. Information: 253-2826. Spring concert of new music by composers Jim Crowley of Northwestern, Stacey Weller of U. of Illinois, Alan Pierson '96, and Steve Reich. Reich (whose minimalist style invokes Eastern rhythms and shifting patterns) provides *Tehillim*, a work for a small orchestra and four female voices, all singing non-vibrato. The libretto is in Hebrew and comes from the Book of Psalms. Singers include Deb Kreuze '88 and Cheryl Morse (MIT staff).

Harvard Bach Society Orchestra. Harvard University, Sanders Theater. April 23, 8 p.m. Admission: \$7, \$5 for students/seniors. Tickets and information: 496-2222. The orchestra's season finale, featuring music director Evan Eng Young. Program: Beethoven, Brahms, Bach/Webern.

The Egremont Trio. Longy School of Music, Cambridge. April 23, 8 p.m. Admission: \$10, \$5 for students/seniors. Information: 756-0924. The trio will perform the second concert of their series, with guest artists: Linda Hanley, viola; and James Whitney, double bass. Program: Fauré and Schubert.

On The Town

A weekly guide to the arts in Boston

April 22 - 28

Compiled by Scott Deskin

Send submissions to ott@the-tech.mit.edu or by interdepartmental mail to "On The Town," The Tech, W20-483.

Berklee College of Music.

The Mall at Chestnut Hill, Route 9 & Hammond Parkway, Chestnut Hill. April 24, 2-4 p.m. Information: 965-3037. Victor Mendoza, vibes; with his Latin Quartet.

Sunday Brunch with the Classics.

Theatre Lobby, 216 Hanover St., North End, Boston. April 24, 10:30 a.m. & 12:30 p.m. Admission: \$20. Reservations and information: (Lobby box office) 227-9872. Featuring brunch created by Joyce Della Chiesa and music performed by The Cantabile Trio: Christopher Brown, piano; Pattison Story, violin; and Toni Rapier, cello.

Bank of Boston Celebrity Series.

New England Conservatory, Jordan Hall, 30 Gainsborough St., Boston. April 24, 3 p.m. Admission: \$25-27. Tickets available through Celebritycharge at 482-6661, or the Jordan Hall box office at 536-2412. Anthony and Joseph Paratore, pianists, will conduct a recital. Program: Stravinsky, Debussy/Ravel, Bocconi, Gershwin.

Longy School of Music.

All events are at the Edward Pickman Concert Hall, 27 Garden St., Cambridge (except where noted). Information: 876-0956.

Sundays at Seven.

April 24, 7 p.m. Suggested donation: \$5. Susan Larson, soprano; Sally Pinkas, piano. Program: Debussy—*Ariettes Oubliées*, songs of Schubert and Reger.

Ensemble P.A.N.

April 27, 8 p.m. Admission: \$15, \$8 for students/seniors. Tickets available at the door. Program: "Rondelles, Bird Calls & Market Cries." A Concert Celebrating the Commotion of Spring.

Longy Flute Orchestra.

April 28, 8 p.m. Free admission. Trix Kout, conductor.

Boston Conservatory Wind Ensemble.

Seully Hall, 8 The Fenway, Boston. April 25, 8 p.m. Free admission. Information: 536-6340. The Ensemble will be joined by the Atlantic Brass Quintet (in residence at the Boston Conservatory) in a program including works by Fote, Laucen, Holst, and Mendelssohn.

MIT Advanced Music Placement Concert.

Killian Hall (Room 14W-111), April 27, 12 noon. Information: 253-2906. Donald Yeung G, violin.

Boston Conservatory Choral Concert.

Seully Hall, 8 The Fenway, Boston. April 27, 8 p.m. Free admission. Information: 536-6340. Allen Lannom, conductor. Bach's *Motet I Singet dem Herrn ein neues Lied*, Dello Joio's *A Jubilant Song*, *Sing a Song Universal*, Lotti's *Crucifixus*, and Gallus' *Ascendit Deus*.

Boston Symphony Orchestra.

Symphony Hall, 301 Massachusetts Ave., Boston. April 28-30, 8 p.m. Admission: \$20-\$57. Information: 266-2492. The BSO, led by Dutch conductor Bernard Haitink, will close the orchestra's 1993-94 season with Act III of Wagner's "Götterdämmerung," featuring soprano Jane Eaglen as Brünnhilde and tenor René Kollo as Siegfried. Ms. Eaglen will make her BSO debut during this performance, which will open with Schubert's "Unfinished" Symphony.

Chapel Concert Series.

MIT Chapel, April 28, 12 noon. Free. Information: 253-2906. Carol Lewis, viola da gamba. Music for unaccompanied viola da gamba from 17th and 18th century England, Germany, and France.

Jazz Music

The Charlie Kohlhase Quintet.

Willow Jazz Club, 699 Broadway in Ball Square, Somerville. April 22-23, two shows—9:30 and 11 p.m. Admission: \$7. Information: 354-1337. The Quintet returns to the Willow Jazz Club, bringing with them a repertoire that includes covers of Ellington, Monk, and Sun Ra, as well as originals by Kohlhase.

Bank of Boston Celebrity Series.

Symphony Hall, 301 Massachusetts Ave., Boston. April 24, 8 p.m. Admission: \$25-30. Tickets available through Celebritycharge at 482-6661, or the Jordan Hall box office at 536-2412. The New Orleans musicians of the Preservation Hall Jazz Band, whose members are mostly in their 60s, 70s or 80s, will perform their distinctive amalgam of marches, quadrilles, blues, spirituals, and ragtime, drawn from saloons and river boats around the turn of the century.

Cambridge Public Library.

Central Square Branch, 45 Pearl St., Cambridge. April 28, 7 p.m. Free admission. Information: 738-0982. The Music of James Covenat. Quoth the artist: "This music isn't rock, jazz, or classical, grunge, reggae, or ska, new age or world. This is intensely philosophical music for people looking for something different."

Popular Music

Museum of Our National Heritage: Concert.

Free admission. Information: 861-6559. 33 Marrett Rd., Lexington. The Lexington Bicentennial Band returns for its annual spring concert.

Musical Theater Revue.

Boston Conservatory Theater. April 28, 8 p.m. Free admission. Information: 536-6340. Sophomore Theater students take a musical look at love songs in the styles of the 20s, the swing era, and early rock 'n' roll.

World Music

Boston Musica Viva.

Tsai Performance Center, Boston University, 685 Commonwealth Ave., Boston. April 22, 8 p.m. Admission: \$12, \$6 for students/seniors/WGBH members. A special pre-concert discussion will be held with the stage director, Nicholas Deutsch, at 7 p.m. Tickets and information: 353-0556. The Boston Musica Viva concludes its 25th anniversary season with three performances: Judith Weir's Chinese opera, *The Consolations of Scholarship*; Joseph Schwanter's *Music of Amber*; and local composer Eric Chasalow's *In the Works*, a jazz/blues type piece.

World Music at the Somerville Theatre.

55 Davis Square, Somerville. April 22, 8 p.m. Admission: \$18.50. Tickets available at the theatre box office, from TicketMaster at 931-2000, or from World Music at 876-9240. Information: 876-9240. The Boston debut of Mali's superstar Salif Keita, who performs his diverse blend of Bambara, Mandinka, and French vocals with a polished synthesizer rhythm and an infectious beat.

Film

Boston Film + Video Foundation. 1126 Boylston St., Boston. April

22, 7:30 p.m. Admission: \$5, \$3 for BFV members. Information: 536-1540. *Testimonies* (Brad McCallum, 1993). A powerful documentary which chronicles the stories of 28 mothers and grandmothers of gunshot victims via interviews and an exhibit where their images are projected on shrouds of white silk. A 1993 recipient of the New England Regional Fellowship program.

MIT Japan Program.

Room 1-390. Free admission. Information: 253-2839. April 22, 7 p.m.: *The Burmese Harp* (Kon Ichikawa, 1956); a deeply moving film that confronts the horror of war and then finds cause for inspiration in man's humanity in the midst of turmoil. *Rashomon* (Akira Kurosawa, 1950), 9 p.m.; morality tale set at the crumbling Rashomon Gate in 12th-century Tokyo. *Odd Obsession* (Ichikawa, 1960), 10:30 p.m.; an aging Kyoto art dealer obsessed with maintaining his virility resorts to drugging his attractive young wife and photographing her nude body. All films shown in Japanese with English subtitles.

French Library and Cultural Center, Ciné Club.

53 Marlborough St., Boston. April 22-24, 8 p.m. Admission: \$5, \$4 for members. Information: 266-4351. *Thérèse Raquin*, or *The Adulteress* (Marcel Camé, 1956). A free adaptation of the 1876 novel about Thérèse and her lover's murder of her husband, updated to 1950 and set in Lyon. Considered Carné's best postwar film; with Simone Signoret and Raf Vallon.

Brattle Theater.

40 Brattle St., Harvard Square, Cambridge. Fri.-Sun., Mon.-Thur. (2:40, 5, 7:30, and 10 p.m.; Sat. & Sun. matinees 12:15 p.m.). Admission: \$6 (Fri.-Sun.), \$5.50 weekdays; \$4 for Brattle members; \$3 for seniors/children under 12. Information: 876-6837. April 22-24: *Savage Nights* (Cyril Collard, 1992). An unflinching portrait of reckless youth in the age of AIDS amidst underground Paris in the mid-1980s. April 25-May 2: *Second Annual Boston International Festival of Women's Cinema*. An 8-day festival of premieres, visiting filmmakers, special events, and more, beginning with an opening night party at the Charles Hotel on April 25.

Harvard-Epworth Film Series.

Harvard-Epworth United Methodist Church, 1555 Massachusetts Ave., Cambridge. April 24, 8 p.m. Admission: \$3. Information: 354-0837. *Hands Up!* (Clarence Badger, 1926). A pointed parody of Civil War films and the western epic, starring Raymond Griffith. Accompanied on piano by Rob Humphreville.

Museum of Fine Arts.

465 Huntington Ave., Boston. All films screened in Remis Auditorium. Unless otherwise noted, admission is \$6.50, \$5.50 for MFA members/students/seniors. Information: 267-9300.

Gaumont Presents: A Century of French Cinema.

1) Part Four: 1916-1949. April 22: *Antoine et Antoinette* (Jacques Becker, 1946), 6 p.m.; and *René de Juliet* (Becker, 1949), 8 p.m. Two films that deal with the lives and loves of young people in postwar Paris. Double feature admission: \$10, \$9 for MFA members/students/seniors. 2) Part Five: Comedies by Sacha Guitry. April 28: *The Pearls of the Crown* (1937), 6 p.m. A zany and delightful historical farce which spans four centuries in French history. *The Story of a Cheat* (1936), 8 p.m. An acclaimed autobiographical tale in which an 11-year-old learns that honesty is the best policy. April 29: *The Story of a Cheat*, 6 p.m. *Remontons les Champs-Élysées* (1938), 8 p.m.

Recollection of a schoolteacher of the relation of the Champs-Élysées to the history of France to his pupils, unfolding in a peculiar manner. Double feature admission: \$10, \$9 for MFA members/students/seniors.

Theater Openings

"A Little Night Music"

Boston University Theatre, 264 Huntington Ave., Boston. April 22-23, 8 p.m.; April 24, 2 p.m. Admission: \$10, \$5 for non-BU students/BU alumni/seniors, free for BU students with ID. Information: 353-3345. Music and lyrics by Stephen Sondheim, directed by Will Graham, conducted by David Hoose. Performance features Phyllis Curtin, Sharon Daniels, and other members of the Opera Institute.

"The Pirates of Penzance"

Arlington St. Church, 351 Boylston St., Boston. April 22-30: Fri., 8:30 p.m.; Sat., 8 p.m.; Sun., 2 p.m. Admission: \$8 adults, \$4 for children/seniors. Information: 536-7050. The Arlington Street Church Players present the famous Gilbert and Sullivan opera.

"Whoop-Dee-Do"

The Lyric Stage, 140 Clarendon St., Copley Square, Boston. Previews—April 22-24: Fri., 8 p.m.; Sat., 5 & 8:30 p.m.; Sun., 2 p.m. Regular schedule—April 27-May 22: Wed.-Fri., 8 p.m.; Sat., 5 & 8:30 p.m.; Sun., 2 p.m.; Thursday matinees on May 5 & 12, 2 p.m. Admission: previews—\$15-23; regular shows—\$17-26, except \$10 for seniors at Thurs. matinees. Student, senior, and group discounts available. Information: 437-7172. A joyous musical revue, created by Howard Crabtree, which pokes fun at Broadway musicals, pretentious dance companies, pompous nightclub singers, B-grade movies, operettas, and more.

"I Hate Hamlet"

New Repertory Theatre, 54 Lincoln St., Newton Highlands. April 22-May 9: Wed., 2 & 8 p.m.; Thur.-Fri., 8 p.m.; Sat., 5 & 8:30 p.m.; Sun., 3 & 7:30 p.m. Admission: \$16-23; student and senior discounts available. Information: 332-1646. Paul Rudnick's Broadway comedy about an actor who must decide between a lucrative television career or the daunting challenge of portraying Shakespeare's doomed Dane. Michael Allosso directs.

"Damaged by the 70's"

Cantab Lounge, 738 Massachusetts Ave., Central Square, Cambridge. April 23 & 30, 8 p.m. Admission: \$8, \$5 for students/seniors. Information: 576-1119. Unconventional one-man show, with comedian Scott Stiffler, that explores the forces of politics and pop culture in that hip, yet melancholy decade.

"Procession"

Kresge Rehearsal Room B. April 24-26, 8 p.m. Free admission. Information: 253-5623. MIT Music and Theater Arts Section presents this student workshop production, written by Baadal Sircar and directed by Sameera Iyengar '93.

"F.O.B."

Kresge Little Theater. April 28-30; May 5-7, all shows 8 p.m. Admission: \$7, \$5 for MIT students. Information and reservations: 253-2908. MIT Dramashop production of the play by David Henry Hwang; directed by Kim Mancuso.

"Fiddler on the Roof"

Mary Norton Hall, Old South Church, 645 Boylston St., Copley Square, Boston. April 28-30 and May 5-7, 8 p.m.; May 1, 2 p.m. Admission: \$10. Information: 536-1970. The Theatre at Old South presents an evening of laughter

and song, celebrating the triumph of the human spirit through the characters in this endearing musical.

"Marry Me You Dick"

Charlestown Working Theater, 442 Bunker Hill, Charlestown. April 28 & 29; May 6-8, 12-14: Thur.-Sat., 8 p.m.; Sun., 7 p.m. Admission: \$12, \$10 for students/seniors. Information: 242-3285. A farcical detective story in the film noir style, melding hip-grinding dance with gender-bending comedy.

"Picasso at the Lapin Agile"

Hasty Pudding Theatre, 12 Holyoke St., Cambridge. April 28-June 5: Tue.-Sat., 8 p.m.; Sun., 7 p.m.; Sat. and Sun. matinees, 2 p.m. Alternating with "Hot 'n' Throbbing" through May 14, call theater for details. Admission: \$18-36. Information: 547-8300. First full-length play by Steve Martin (*Roxanne*, L.A. Story), about a fictional meeting between the young artist Pablo Picasso and the young scientist Albert Einstein, both captured before fame consumed them, along with other historical figures and a surprise visitor from the future, in a turn-of-the-century Parisian tavern.

Ongoing Theater

"Birth and After Birth"

Kresge Little Theater. April 22-23, 8 p.m. Admission: \$7, \$5 for MIT students with ID. Information: 253-2908. Dramashop presentation of a play by Tina Howe, directed by Sue Downing.

"Pigs Feet & Marble Skies"

Mobius, 354 Congress St., 5th Floor, Boston. April 22-23, 8 p.m. Admission: \$8, \$6 for students/seniors. Information: 542-7416. Solo performance by Joseph Wilson (Mobius Artists Group) exploring the relationships between American culture and the media as an art form.

"Rags"

Spingold Theater, Brandeis University, Waltham. April 22-23 & 29-30, 8 p.m.; April 24, 7 p.m.; April 28, 10 a.m.; May 1, 2 p.m. Admission: \$11-15. Information: 736-3400. Musical with songs by composer of "Annie" and book by author of "Fiddler on the Roof." Story of Russian Jewish immigrants in American coping with assimilation, greed, and power.

"The Mad Dog Blues"

Coyote Theatre, Institute of Contemporary Art, 955 Boylston St., Boston. April 22-May 8 (Thurs.-Sat., except April 28, at 8 p.m.; Sun., 7 p.m.) Admission: \$15-\$18. Information: 695-0659. Adventure comedy by Sam Shepard, following two rock-and-rollers, with an eccentric entourage, traveling the globe to find a buried treasure.

"Bare Essentials"

The Dance Complex, 536 Massachusetts Ave., Cambridge. Through April 30 (Fri.-Sun., 8 p.m.). Admission: \$15; group, student, senior discounts available. Information: 497-7070. Free-form improvisational show, with actress-dancer-comedienne Daena Giardella playing several characters who are trying to cope within the urban jungle.

"Krazy Kat"

Boston Center for the Arts, 539 Tremont St., South End, Boston. Through April 30 (Wed.-Sat., 8 p.m.; Sat. 2 p.m.). Admission: \$5.25-\$15.25. Information: 437-0657. Beau Jest Moving Theatre's original adaptation of the existential comic strip.

"Pump Boys and Dinettes"

Charles Playhouse, 76 Warrenton St., Boston. Through May 1 (Tue.-Fri., 8 p.m.; Sat 5 p.m.; matinees Thurs & Sun at 2 p.m.) Admission: \$10-\$30. Information: (box office) 426-6912, (group rates) 482-6574. A Tony Award-nominated musical tribute to life by the roadside, with audience participation as the "passengers" whose bus breaks down at a diner/filling station.

"June in White"

New Theatre Production, First and Second Church Theatre, 66 Marlborough St., Boston. Through May 8 (Thurs.-Sat., 8 p.m.; Sun., 7 p.m.). Admission: \$15, \$9 for students/seniors. Tickets and information: 247-7388. Comedy about estranged relatives gathering for a wedding and the sexual conflicts that are uncovered.

"Hot 'n' Throbbing"

American Repertory Theatre, Hasty Pudding Theatre, 12 Holyoke St., Cambridge. Through May 21 (Tue.-Sat. 8 p.m., Sun 7 p.m., Sat. & Sun. 2 p.m.). Admis-

sion: \$18-36. Information: 547-8300. New play by Paula Vogel that deals with the comic and tragic aspects of female pornography and sexual abuse in a woman's life.

Dance

Island Moving Company.

C. Walsh Theatre, Suffolk University, 41 Temple St., Boston. April 22-23, 8 p.m. Admission: \$12, \$10 for children/seniors/students, \$6 for Suffolk University/MIT staff and students. Information: (Suffolk U. box office) 573-8680. The Island Moving Co., along with Artistic Director Miki Ohlsen, comes together in the company's first visit to Boston this spring. Ohlsen has commissioned works embracing neo-classical ballet, the modern tradition, and a new work by choreographer Daniel McCusker with live accompaniment by Jeffrey Platz.

Boston Conservatory.

Boston Conservatory Theater, 31 Hemenway St., Boston. April 22-23, 8 p.m. Free admission. Student Choreography Concert, staged and performed by Conservatory dancers. Information: 536-6340. April 24, 3 p.m. Free admission. Senior Dance Concert. "New Pieces," choreographed and staged by Conservatory senior dancers Laura Manzella and Christien Polos. Original music by Garrette Byrnes. Information: 876-9819.

Dance Umbrella.

The Emerson Majestic Theatre, 219 Tremont St., Boston. April 27-May 1: Wed., 7 p.m.; Thur.-Sat., 8 p.m.; Sun. 2 p.m. Thursday and Saturday shows will be ASL interpreted for the deaf (TTY: 491-0360). Admission: \$20-30. Information: (box office) 491-7737. In collaboration with the Bill T. Jones/Arnie Zane Dance Company, the Dance Umbrella will perform from a repertoire of mercurial energy and virtuosity.

Comedy

Night at the Improv.

La Sala de Puerto Rico. April 23, 7-10 p.m. Admission: \$4 at the door, \$3 in advance. Advance sale of tickets today in Lobby 10. Sigma Iota Phi presents a comedy show for charity featuring: MIT's Roadkill Buffet, Dead Serious (Wellesley), False Advertising (Brandeis), Cheap Socks (Tufts), The Improvabilities (Bowdoin), The Swollen Monkey Showcase (Emerson), and This is Pathetic (Emerson).

U.S. Improvisational Theatre League.

Boston Baked Theatre, 255 Elm St., Somerville. Final performance on April 28, 8 p.m. Admission: \$10. Student discount: half price all single price tickets. Information: 864-1344. Competitive improvisational theatre, in which two teams of performers try to out-act each other with scenes created on-the-spot over three periods. The audience decides the outcome.

Lectures

MIT Architecture Lecture Series.

Rm. 10-250. April 26, 6:30 p.m. Free admission. Information: 253-7791. "Terragni and Type." Lecture by Diane Ghirardo of University of Southern California; President, Association of Collegiate Schools of Architecture.

MIT Communications Forum.

The Wiesner Building, E15 Lower Level. April 28, 4-6 p.m. Information: 253-0008 or 253-3144. "Unlocking the National Information Infrastructure." Dr. Charles Vest will outline the consensus framework developed to move the United States to a fully competitive communications market that will drive America's economic performance and standard of living in the future.

Exhibits

MIT Libraries.

Rotch Library, Rm. 7-238. On display April 22-June 3. Opening at Rotch Library, Friday, April 22, 4-6 p.m. The Libraries' Staff Programs Committee and the Rotch Library Exhibits Group announce the opening of an exhibit which will showcase artworks created by library staff members, including paintings, photography, sculpture,



The Island Moving Company premieres in Boston April 22-23 at the C. Walsh Theatre at Suffolk University.

and mixed media by 14 different artists.

MIT/Harvard Aga Khan Program for Islamic Architecture.

MIT Student Center, 3rd Floor. April 27-29, 9 a.m.-5 p.m. Information: 253-1418.

"Bosnia-Herzegovina: Before, During and After the War": a photographic exhibit by Bosnian architect Amir Pasic, held in Twenty Chimneys. April 28, 6:30 p.m. "Mostar 2004": lecture by Amir Pasic, centered on an invitation to world leaders for the inauguration of the reconstruction of war-torn Mostar in the year 2004, to be held in the Mezzanine Lounge.

MIT Museum, 265 Massachusetts Ave.

Tues.-Fri 9-5, Sat.-Sun 1-5. Free to members of the MIT community, seniors, and children under 12. For all others there is a requested donation of \$2. Information: 253-4444.

Holography: Artists and inventors—The Museum of Holography Moves to MIT. In 1993, the MIT Museum acquired the complete holdings of the Museum of Holography in New York—the largest and most comprehensive collection of holography in the world. The show will explore the history of holography as well as technical and artistic applications. Curated by renowned photographers Professor Stephen Benton, head of MIT's Program in Media Arts and Sciences, and Betsy Connors, a former fellow with the MIT Center for Advances Visual Studies, graduate of and former instructor with the MIT Media Lab's Spatial Imaging Group.

Crazy After Calculus: Humor at MIT. The history of MIT "hacks." Doc Edgerton: Stopping Time. Photographs, instruments and memorabilia documenting the invention and use of the strobe light by the late Harold E. Edgerton ScD '27. Light Sculptures by Bill Parker '74. Vivid interactive light sculptures, each with its own personality and set of moods. Math in 3D: Geometric Sculptures by Morton G. Bradley Jr. Colorful revolving sculptures based on mathematical formulae. MathSpace. Hands-on exploration of geometry is the theme as visitors tinker with math playthings. Ongoing.

Thomas Jefferson and the Design of Monticello. The MIT Museum celebrates the 250th anniversary of Jefferson's birth with an unprecedented exhibition documenting the design evolution of Monticello. Through April 24.

Strobe Alley.

Ongoing. Information: 253-4444. Optical Alchemy. Full-color fluorescent photographs of corals and anemones by Charles H. Mazel SM '76, a research engineer in

the Department of Ocean Engineering, taken at night during underwater dives. Matched pairs of images offer a comparison between the subject under "normal" reflected-light photography and under illumination with ultraviolet light.

Hart Nautical Gallery.

55 Massachusetts Ave. Ongoing. Course 13, 1893-1993: From Naval Architecture to Ocean Engineering. Exhibition includes historic photos, models, and computer graphics, and highlights a sampling of current research including that performed by the department for Bill Koch's '62 successful America's Cup campaign with America³. Permanent Exhibition of Ship Models. Models which illustrate the evolution of ship design from the 16th through the 20th century.

List Visual Arts Center.

20 Ames Street. Both exhibits run through June 26 (Tues./Thur.-Fri., 12-6 p.m.; Wed., 12-8 p.m.; Sat.-Sun, 1-5 p.m.). Pieter Laurens Mol. Dutch artist's exhibition which uses elusive images combined with symbolic alchemical materials to address the moral and aesthetic traditions of the modern age. Traveling exhibition sponsored by the Ministry of Culture of the Netherlands. Sandy Walker: Woodblock Prints. A group of large, dramatic woodblock prints that hover between abstraction and representation, recalling the bold gestures of Jackson Pollock and the influences of oriental art.

Kaji Aso Studio/Gallery Nature and Temptation.

40 St. Stephen St., Boston. Through April 27. Information: 247-1719. Group Exhibition. "Images of Japan, Including Their Tradition of Japanese Calligraphy and Brush Painting."

Newton Free Library.

330 Homer St., Newton Centre-Main Hall. Information: 552-7145. Drawings and Paintings. Through April 28: Drawings by Alice Briggs. Through April 28: Reception held April 11, 7:30-9 p.m.: Paintings by Rita & George Guzzi.

Bromfield Gallery.

107 South St., Boston. Through April 30 (Tues.-Fri., 12-5 p.m.; Sat., 11-5). Information: 251-3605. Objects for Play and Contemplation. Ceramic sculpture by Debra Giller. Last Supper—Etchings. By Tom Hall. Two Red Rocks and Other Paintings. By Wendy Prellwitz.

Northeastern University African-American Master Artist-in-Residency Program.

76 Atherton St., Jamaica Plain. Through May 14 (Sun.-Fri., by

appointment; Sat., 10 a.m.-4 p.m. Information: 373-3903. Art Exhibit: "A Triangle of Abstraction: From the African Diaspora." Works by Deta Galloway, Khalid Kodi, and Keith Washington.

The Computer Museum.

300 Congress St., Boston. Through June 30, 2-5 p.m. daily (special schedule through April 24, 10:30 a.m.-12:30 p.m. & 2-5 p.m.). Admission: (museum) \$7, \$5 for students/seniors, free for member and children four and under; (helmet exhibit) additional \$3. Information: 423-6758 or 426-2800 x310.

"Virtual Adventure: Explore a Human Cell" Explore the microscopic world of cell biology using virtual reality technology. Donning a helmet, visitors will be transported to different parts of the human body using a hand device and experiencing cell processes via animation and sound effects. Other virtual reality exhibits, including video games and prototypes, will be shown.

Museum of Fine Arts.

465 Huntington Avenue, Boston. "The Label Show: Contemporary Art and the Museum." Twenty works from the permanent collection of the Department of Contemporary Art are installed in a variety of ways to illuminate strategies of display and interpretive text to the viewer. Works by Mapplethorpe, Kiefer, Lawler, Poons and other will be accompanied by multiple perspective labels and signed by their authors. Through May 1.

"Early Twentieth-Century Prints: Picasso to Johns" Exhibition which traces the course of printmaking in the first half of the 20th century, from Picasso's first etching in 1904 to one of Jasper Johns' first lithographs of 1960. Prints by other artists will illustrate the diversity and vitality of expression in printmaking during early modernism. Through June 19.

"Painting the Maya Universe: Royal Ceramics of the Classic Period." Pre-Columbian painted masterpieces on pottery will be featured in this exhibition. Little-known 7th-9th century A.D. paintings that embody the highest aesthetic achievements of the Maya will be displayed. Through June 26.

"Silks for the Sultans." This exhibition features velvets and brocades made during the Turkish Ottoman period. The textiles, some of the most sumptuous ever produced, were made by the court weavers in the Ottoman capitals of Bursa and Constantinople, cities of European/Asian confluence. These works are part of the Museum's renowned permanent collection of textiles and costumes. Through Sept. 4.

"An Oriental Odyssey: Carpets from the Permanent Collection" Currently on view in the Tapestry

Gallery. Through Oct. 2.

"Venetian Ways" Mabel Louise Riley Seminar Room. Series which explores the special approaches of Venetian painters, architects, and sculptors from the 7th century through the Golden Age. First in series of four lectures. Thursdays, April 28; May 5, 12 at 7 p.m. Admission: \$40, \$35 for students/seniors/MFA members. Tickets may be charged to Visa or MasterCard at 267-9300 x306. Information: 267-9300 x300.

Isabella Stewart Gardner Museum.

280 The Fenway, Boston. Open Tues.-Sun., 11 a.m.-5 p.m. Admission: \$6, \$5 for students/seniors, \$3 youths (ages 12-17), free for members and children under 12; Wednesdays, \$3 for students with current ID. Information: 566-1401. Special Exhibition. Isabella Stewart Gardner: The Woman and the Myth will re-examine the life and times of this 19th-century figure via paintings, vintage photographs, letters, and diaries. Through Aug. 14.

The museum, itself an example of 15th-century Venetian palaces, houses more than two thousand arts objects, including works by Rembrandt, Botticelli, Raphael, Titian, and Matisse. Ongoing.

Museum of Our National Heritage.

33 Marrett Rd., Lexington. Admission and parking for the Museum of Our National Heritage is free. Hours: Monday-Saturday 10-5, Sundays noon-5. Information: 861-6559.

"Discover Greatness: An Illustrated History of Negro Leagues Baseball" Classic photographs and memorabilia highlight this exhibition drawn from the collection of the newly-formed Negro Leagues Baseball Museum. The 90 black-and-white photos, 10 oversized prints, and artifacts such as pennants, uniforms, and game day poster depict the exceptional teams and players. Through May 1.

"Angler's All: 500 Years of Fly Fishing." This traveling exhibition has been hailed as the finest collection of fly fishing artifacts and memorabilia ever gathered for public view. Presented are rods and reels by the most famous makers of the past few centuries. Gear used by anglers Bing Crosby, Ernest Hemingway, and Herbert Hoover is also on view, along with a wide array of tackle, flies, and rare books. Through May 15.

"Patchwork Souvenirs: Quilts from the 1933 Chicago World's Fair." A selection of one-of-a-kind historic quilts recreates an important chapter in the history of American quiltmaking. More than half of the 30 quilts featured are commemorative quilts incorporating themes from the Fair. In addition, award-winning traditionally patterned

quilts are displayed, along with photographs and artifacts documenting the 1933 World's Fair. Through July 17.

"Deer Camp: Last Light in the Northeast Kingdom." Sixty richly-detailed photographs by documentary photographer John Miller record the traditions and lore related to deer hunting and deer season in Vermont's fabled Northeast Kingdom. Accompanying narratives and oral histories reveal the richness of the hunting culture and its place in rural life. Through August 14.

"Let It Begin Here: Lexington and the Revolution" Explore the causes and the consequences of the American War for Independence as seen through the eyes of typical New England men and women. The exhibit begins with an introductory audiovisual presentation about the events on Lexington Green. Ongoing.

Events

International Fair '94.

Kresge Oval and MIT Student Center steps. Free admission, open to MIT community. Information: Lila Koumandou at 225-6348, or Erica Kashambuzi at 225-8388. More than 30 different countries are represented in this fair. All the international clubs of MIT bring out elements of their cultures. Food, music, dance performances, and a fashion show will all be included. April 22, 10 a.m.-4 p.m. Dance performances—10 a.m.-3 p.m.; fashion show—12-1 p.m.

Amnesty International: 6th Annual Students for Students Human Rights Day.

Faneuil Hall Marketplace, Boston. April 24, 12-6 p.m. Suggested donation: \$2. T-shirts available for \$10. Information: 623-0202. Students for Students includes a march, live bands, speakers, and a raffle. The theme of the days is students in the northeastern U.S. helping other students around the world whose human rights are being violated. Sponsored by AIUSA and the Reebok Human Rights Foundation.

Japan Festival 1994.

Kaji Aso Studio, Institute for the Arts. 40 St. Stephen St., Boston. April 24, 2-6 p.m. Admission: \$5 donation; children under 12 years, \$2. Information: 247-1719. Festival features: demonstrations of Japanese Calligraphy & Sumi Painting by Kaji Aso; reading by members of the Boston Haiku Society; ikebana by Evan Frank; live Shakuhachi music (Japanese bamboo flute); origami, crafts, and hand painting fans; sushi a la carte; and "satokagura" (Japanese mime comedy).

Announcements

MIT Japan Program.

Orientation—Wednesday, April 27, 5-6:30 p.m., in the Mezzanine Lounge of the Student Center. Information: 253-2839 or 253-8737. Go to Japan for a year of fun, excitement, and professional advancement — ALL EXPENSES PAID — with the MIT Japan Program. This is a chance for MIT undergraduates and graduate students in science, technology, management, and architecture to meet the Managing Director, staff members and some former interns of the program. The details and requirements of the Program will be explained, and refreshments will be provided.

New England Film/Video Fellowship Program.

This program is designed to foster the production of independent film and video by New England media artists. Eligibility requirements: only individual projects are considered (no collaborative efforts); only non-commercial, non-instructional projects, with the individual in complete creative control are eligible; music videos geared toward promotion of a group are not eligible; previous NEF/VEP recipients are not eligible; students and projects must not be connected with a degree program; and applicants must be at least 18 years old. Funding and technical assistance available. Submission: five copies of application forms and detailed workplans, with one copy of current work-in-progress and/or other sample works, must be received no later than May 16, 5 p.m. For more information, contact the New England Film/Video Fellowship Program, BF-VF, 1126 Boylston St., Boston, MA 02215, or call Cherie Martin, Artists' Resources Director, at 536-1540.

Menudo Predicts Sunday's First Five NFL Draft Picks

Let's Argue from Page 24

he has only four KO's in eight fights as a heavyweight. Although this history is similar to that of both Holyfield and Michael Spinks, Moorer has not fought anyone of note, except his wife. Holyfield's only weakness is still that he takes too many punches. Evander should be able to take all that Moorer has in the early rounds, and finally use his tremendous stamina to outlast and punish him in the later rounds. With God on his side and Mike due out of jail soon, Evander will not lose out on a major payday in '96. Look for The Real Deal in 10.

Incidentally, Moorer's wife served Michael with court papers for child support payments this week, to try to distract her estranged husband from the fight. Holyfield's wife also served him with divorce papers in

the week before he beat Buster Douglas for the title to try to distract him. Someone ought to tell these women that it is better to let him win the fight, so that he's got more money to take (see any of Johnny Carson's ex-wives)....

We take a peek into Menudo's crystal ball as he predicts the first five picks of Sunday's NFL Draft:

Cincinnati. Coach Shula has a lot of needs to fill (WR, O Line, Stadium, etc.), but will not pass on the opportunity to team up Ohio State's Dan Wilkinson with a good young defense (led by a pair of last year's first team All Rookies, defensive end John Copeland and linebacker Steve Tovar). Big Daddy plays the D line and has the strength to shoot the gaps and plug the necessary holes.

Indianapolis. With the 2nd and 7th picks overall, the Colts are looking to pull off somewhat of a heist.

With the 2nd pick they will take running back Marshall Faulk, a stud from San Diego State. With their next pick, they are hoping QB Trent Dilfer of Fresno State will still be around for them to select (not so says Menudo). Anyway, it's hard to pass on Faulk, a player in the mold of Barry Sanders.

Washington. The four 'Skins have one critical need: a quarterback and a new owner (okay, that's two). After releasing Rypien, Coach Turner made it clear that they will take Tennessee QB, Heath Shuler. At 6-4, Shuler has the size to stand in the pocket and take some licks, but has the mobility to scamper in a Flutie-esque manner if necessary.

Pats. If the top three picks go as planned, the P-men are in trouble. Their major needs are at D line and receiver (and running back, if Russell is not signed). If Wilkinson is

gone, there are no other linemen that warrant going this high (Walldrop and Adams will go a little later). Sources close to Menudo, however, say Parcels has a big trade in mind in order to switch positions in the draft.

Rams. With the release of Jim Everett, the Rams need a Q (Rubley is no Ferragamo, either on or off the field) to complement Jerome Bettis. With Dilfer sliding this low, the Rams will take him as the fifth pick. If the Pats are weasels, though, and make a move (read: Dilfer is not available), LA will take Rob Waldro, the Outland winner from Arizona.

Comeback Player of the Year

Once again we have listed the services of the baseball guru, Jeff "Grandma" Ma '94, in order to bring you the favorites for baseball's comeback player of the year award.

For any of you who follow baseball, or sports in general, there is no greater joy than seeing one of your old favorites bounce back from a down year to put up monster stats. There are many candidates for comeback player of the year once again this year. In evaluating these guys the important things to look for are players at the end of a contract and players rebounding from a recent injury.

American League

Mark McGwire was having a great season last year until he was sidelined with an injury. The As think that they can rebound from last year's pathetic performance, with McGwire being the key. Imagine if he played in Colorado.

Jose Canseco should have a great year, as there are positive reports about his attitude and health. He crushed a couple home runs in the spring close to 450 feet and looks ready to return to his old form. Like McGwire, Mr. Madonna looks to flirt with membership into the 50 dinger club. With Clark, Gonzalez, and Palmer hitting around him, however, his chances are much better than Mark's.

Teddy Higuera is a sentimental favorite for the award. The Brew Crew brass is high on the way he threw the ball in the spring, and they inserted him in the rotation. When healthy he was one of the league's finest.

Steve "Bye Bye" Balboni has been given a contract with Oklahoma City (Texas' AAA club) and looks to be stroking the long ball like he did when he was with the Columbus Clippers. Although a household name in Toledo, Rochester, and Richmond, Bye Bye will finally get his respect this year.

National League

Doug Drabek is a solid pitcher who had difficulty living up to expectations last year in Houston. As a big money free agent returning to his childhood digs, Drabek felt the heat to perform well. This year Drabek, a former Cy Young winner, will win 20 and discover just how cozy the Astrodome confines are.

Another Astronomical, **Greg Swindell**, also looks to return to his old form. A dominant pitcher with the Longhorns (UT), Indians, and Reds, the southpaw has started the season strong, posting a 3-0 record

out of the gate.

Derek Bell doesn't really qualify for this award but he's worth mentioning since the Padres front office had given up on him until his impressive spring. In fact they were so down on him they were trying to trade him to the Red Sox for the right to have Lou Gorman as their GM. Bell has been impressive so far this season with his blend of power and speed. He wasn't minor league player of the year for nothing.

Pookie's Cup

Last week's Genie vs. Wonder Woman clash really seemed to arouse excitement on campus (especially in the men's bathrooms), as *The Tech* mailboxes were flooded with votes cast for each of the contestants. In the end, though, it was Genie nipping it out over the Lady in the star spangled bottom. This week, cast your votes at sports@the-tech.mit.edu for: Genie vs. The Girls of Hee Haw.

Mondongo's Hueso de la Semana

To Charlotte Hornet center, Alonzo Mourning "Woody," who got himself tossed out of Friday's game versus the Bulls. Zo was trying to show off his manhood by bullying the tough man from Down Under, Luc "2 inches" Longley. Zo got booted from both the Bulls and the following game (versus NY) and the Bugs lost the game. Charlotte, fighting for the last playoff spot with Miami, beat the Knicks.

Race for Futility

Following a 20-26 start, the Philadelphia 76ers are a measly 4-29 without rookie Shawn Bradley. This is particularly futile, considering that Bradley is so skinny. Not that we have neglected the goings on in the Windy City, as the Cubs have opened the season 0-8 at home while the Blackhawks have lost nine straight play off games.

Trivia Question of the Week

What three major league teams have never had a no-hitter pitch for them? (Hint: two are gimmes.) Send answers, comments, and your favorite Belly lyrics to sports@the-tech.

Answer to last week's question: Lou Whitaker and Joe Morgan. Kudos to Tim Dawson and Dave Alexander '94 who got it right. They win the right to surf dance at tomorrow night's SCC concert. Just show up at Howard Johnson at 8 p.m., fork out 12 bucks, and join the crazies inside.

Rumblings from Around the 'Tute

This in from Kevin Dahm G: "As far as beanballs go, I agree with you entirely about Montgomery's throwing at Fletch. He deserved to get ejected.

"But at the same time, this charging the mound stuff has gotten completely out of hand in the last couple years. Where did Reggie Sanders get off charging the mound after he got hit in the Montreal game? It was the 8th inning, Montreal was only ahead 2-0, the count was 0-2, and the pitcher was gunning for a perfect game. Did Sanders seriously think he was being thrown at or was he just pissed at being deprived of the opportunity to strike out?"

Beware of the National Scholarship Survey

A group called the National Scholarship Survey is contacting MIT students through the mail announcing that they are eligible for a scholarship. In order to qualify for that scholarship and to identify other scholarships that the students might be eligible for, the group instructs the recipients to complete a questionnaire and to send a \$35.00 fee. It has been the experience of the MIT Student Financial Aid Office that these scholarship search offers are money-making schemes for the organizations and rarely provide information to students that is not already publicly available for free. Calls by the MIT Student Financial Aid Office to the National Scholarship Survey to inquire about their service have not been returned. It is our recommendation that you do not send any information or payment to this group.

Stanley Hudson
Director
MIT Student Financial Aid

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UPCOMING HOME EVENTS

Friday, April 22

Women's Water Polo vs. Mt. Holyoke College, 5:30 p.m.

Saturday, April 23

Women's Water Polo vs. Harvard University, 10 a.m.

Softball vs. Wheaton College, 1 p.m.

Women's Water Polo vs. Amherst College, 1:45 p.m.

Women's Crew at New England Women's 8 Regatta, time TBA

Tuesday, April 26

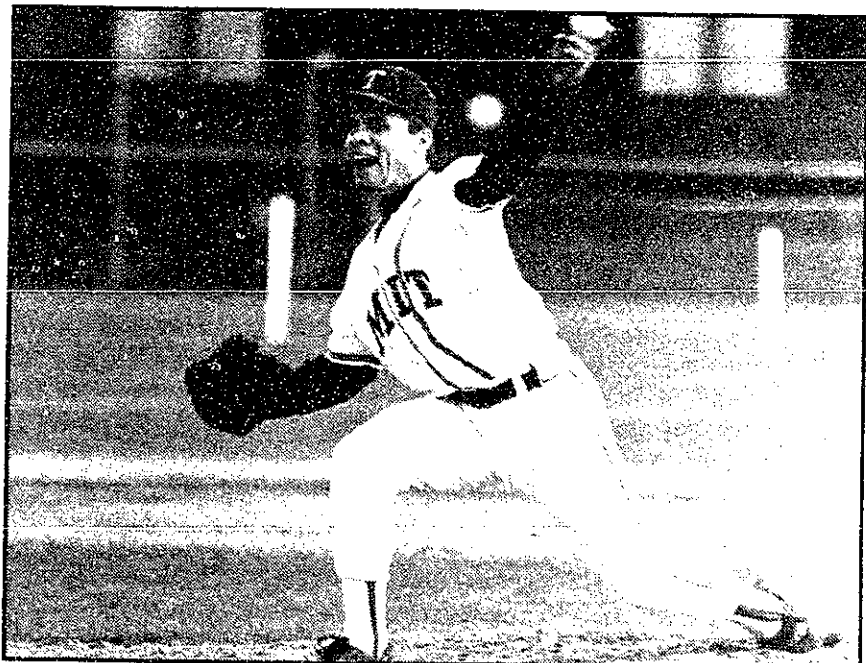
Men's Lacrosse vs. Roger Williams University, 1 p.m.

Softball vs. Clark University, 3:30 p.m.

All event dates, times, and locations are subject to change.



RICH DOMONKOS—THE TECH



MARK D. BOCKMANN—THE TECH

Brian Christensen '94 (left) fires a shot to first to convert on the double play. Although the Engineers made a valiant effort in the last two innings of the game on Sunday, their two-run effort fell short of the victory. MIT lost against Brandeis University, 5-2. Brooks Mendell G (right) pitches in Thursday's game against Wentworth Institute of Technology. MIT lost 8-6.

Mor Cycles to Third Place in Criterium

Cycling, from Page 24

had equal success in the time trial with Jeff Byars G finishing 5th with a very respectable time of 7 minutes 28.2 seconds.

The real action came during the criterium. The criterium was a high speed race held on the streets of West Point and featured tight turns and a steep descent. John Konz G finished with a respectable 13th in the C race, but the real surprise came when Mor seemingly got blocked in for the field sprint during the B race, but then came charging up the left hand side while everyone had their heads turned to the right and stole a 3rd place.

The weekend finally ended with

the A race criterium. The suspense built up when Tsai was involved in a crash and came into the pit for a wheel change. He quickly got back into the race and three laps later he was off the front of the main pack trying to catch up to a breakaway that occurred earlier. His attempt was unsuccessful, but he still finished 19th in the race.

Overall, the team did very well in light of the stiff competition from such big name schools as BU, BC, and UVM. The team is looking forward to their next race this weekend which is being held at the University of New Hampshire and preparing themselves both mentally and physically for the Eastern Championships two weeks from now.

One Year of College Hebrew in a Summer

Boston's Hebrew College announces its new *Mekhinal* for prospective and current Jewish Studies students and others who wish to build their language skills in a total immersion program.



Session I: July 11 - Aug. 4
Session II: Aug. 8 - Sept. 1
Time: 9 AM - 12:30 PM (Mon. - Thurs.)
Eight Credits (4 per session)

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Call Harvey Shapiro, Director, Shoolman Graduate School of Education,
at (617)232-8710 for more information.

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Call 492-3179 or 492-3170

Monday - Thursday, 11:30 a.m. to 10:00 p.m.

Friday - Saturday, 11:30 a.m. to 11:00 p.m.

Closed Sunday

M.I.T. Community Summer Softball 1994

Organizational Meeting Wed. May 4
New Team Entries Accepted

5:30 P.M.

Student Center
Room 407

For more information, contact:
Marino D. Tavarez, MITCSS Commissioner
MIT Rm. 20B-131, Messages: 262-9032

SUMMER JOB AT M.I.T.

PROGRAMMING A PC-BASED NETWORK AUDIO SERVER

The Speech Communications Group (within RLE, MIT) is looking for a **C programmer** to implement a **PC-based network audio server** for use within the Lab for audio stimulus presentation, data collection, etc. The PC server will communicate with numerous engineering workstation class machines over **ethernet** in order to play out audio waveforms residing in files on the workstations, and conversely, to record similar waveforms in a laboratory environment and store them on the workstations.

The project entails **IPC code development** on PCs, VAXes running the VMS operating system, and multiple OSF/1 and Unix platforms, using sockets libraries, realtime hardware and supporting libraries, compilers and debuggers on the various systems. A **familiarity with realtime issues** on any or all of the above platforms would be a definite plus, as would **X11 development experience**.

Pay is commensurate with experience and ability.

Contact: Dr. Perkell, M.I.T., Rm 36-591, 253-3223,
perkell@speech.mit.edu

CLASSIFIEDS

■ Events
■ Help Wanted
■ Positions Wanted
■ For Sale

■ Housing
■ Services Offered
■ Lost & Found
■ Greeks

■ Travel
■ Information
■ Clubs
■ Miscellaneous

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10 or more insertions	\$2.10

All other advertisers.....\$5.00

■ Events

Eat, Watch, Talk, FREE!! "Brazil," Twilight Zone, Monty Python and more. Tuesday nights in April, 8:00pm, room 6-120, we'll watch these, have refreshments, and talk about social, economic, and political liberty. Info: libertarians@mit.edu.

Experience True Meditation Awaken the completely natural healing and balancing energy within us all. On-going meditation workshops- always free. Tuesdays at Stratton Student Center, 8-9:30 p.m. 4/19- PDR #3. 4/26- Mezzanine Lounge. (617)354-6069 or (508)287-0244 info.

■ Help Wanted

Student Worker Needed for Interlibrary Services. Duties include processing ILB books, notifying users, preparing books for mail. Hours: 2 hours per day, 5 days week for a total of 10 hours. \$6.85/hr. Contact Michael Pavelecky, 3-5684; michaelp@mit.edu.

C Programmer needed for small fixed price job. Must have own computer for setting up windows 3.1 application using InstallShield. Call Chris at 617 937-7095.

International Employment - Make up to \$2,000-\$4,000+/mo. teaching basic conversational English in Japan, Taiwan, or S. Korea. No teaching background or Asian languages required. For info. call: (206) 632-1146 ext. J5033

Attn.: Ex-managers from College Pro, Student Painters, etc... Our firm has a serious postgraduate position for you. For recruiting info. call: 1-800-TO-CHECK. (800-862-4325).

■ Help Wanted

Spend your summer building the Information Superhighway in Washington D. C.- Interactive Television Association looking for talented students with political and communication skills for summer internships. Fast paced politics on leading edge of telecom revolution. Make corporate, media and govt contacts. Call 202-452-1630 today.

Summer Camp Counselors needed for coed children's camp in Maine for Photography, Basketball, Horseback Riding, Archery and a WSI certified Swimming Instructor. Interview required. Call weekdays, (617) 721-1443.

Cruise Ships Now Hiring - Earn up to \$2,000+/month working on Cruise Ships or Land-Tour companies. World Travel. Summer & Full-time employment available. No experience necessary. For more information call 1-206-634-0468 ext. C5033.

Motivated, High-energy people wanted! Network Services is looking for a select group of students to assist in providing support to MIT's network users. Both Help Desk and on-site work is involved. 7+ hours per week. Good pay, based on experience and displayed merit. Please send resumes to Cynthia Endriga, E40-334.

■ For Sale

Air Conditioners for sale. Get yours before the heat waves hit! \$110 for 8000 btu unit in very good condition. \$40 for 4900 btu unit in good condition. Great for dorm rooms! Call Vipul at 576-9428.

■ For Sale

Colorado Memory Systems Jumbo 250 Tape Backup Unit: brand new and in perfect condition. Purchased for one-time use. Includes all original packaging materials, manuals, cabling, and software. Selling for \$175 or best offer. Price is negotiable. Contact Arif at 225-6184 or arifh@mit.edu.

Stuff for Sale: Women's shoes: Brown leather shoe-boots w/side zippers, size 10B, never worn, \$20; black suede pumps w/1 1/2" heels, size 8 1/2 B, worn once, \$15. Black wooden dresser, 5 drawers, 2'x4'x4', great condition, \$50. Call Marie at x3-8408 or mail marie@psyche.mit.edu

Macintosh Classic II 4/40 w/ extended keyboard in excellent condition. Includes Microsoft Word, Encyclopedia & Dictionary, external microphone, virus protection, lots of other software too, including multilingual spellcheckers. \$500 or B/O. Lawrence @ 236-5004/ Lisa @ 283-1123.

■ Housing

Summer housing! 15 minutes' walk from MIT, two blocks from T, near Central Square. Large room in shared apartment with great panoramic porch views of Boston. Only \$315/month (incl. hot water). Call Josh at 253-1541.

Luxury Living 101 Greenhouse Apartments. Study in one of our unique floor plans; workout in the healthclub; relax by the pool; cram for exams in our library. Register for summer/fall occupancy. Call (617) 267-6777.

■ Housing

Sublet All new ocean view room w/ air, unlim. parking, T-access, GTM, furnished, living w/ 2 med. students, males only. ** 237.50 ** 288-1093.

Summer sublet 15 minutes' walk from MIT, close to Central Square, 5 minutes from T. Room in shared apartment. Just \$300/month. Call Pradeep @ 492-6229 or email pradeep@mit.edu.

■ Services Offered

Don't get a job! Learn Spanish this summer in Latin America, Mexico, Costa Rica, Guatemala and more- Study Abroad Services has language-schools perfect for you! Call SAS: 247-1001 email: jtgiffor@world.std.com.

■ Travel

Catch a Jet! Europe only \$169; Coast to Coast: \$129; Carib/Mexico: \$189 r/t. AirHitch@ 1-800-326-2009. Call for program descriptions!

Gay Provincetown: Alumnus offers luxury accommodations in restored sea captain's home; fireplaces, heated pool/spa. Gay & Lesbian clientele. Off-season from \$45/night. The Brass Key Guesthouse. Brochure: 800-842-9858.

■ Misc

Donate Your Live Brain to Science! (well, for 15 minutes anyway...) The Dept. of Brain & Cognitive Sciences seeks subjects whose first language is American English for exciting psycholinguistic research. Pays \$3 for 15 minutes. Call Marie at 253-8408 or send e-mail to marie@psyche.mit.edu

■ Misc

Donate Your Live Brain, Part II The Department of Brain & Cognitive Sciences seeks subjects with various linguistic backgrounds for experiments about all kinds of cool stuff that pay some amount of money for varying lengths of time. Send e-mail to mollylab@psyche.mit.edu for a questionnaire and details.

RAM for Mac IIsi Needed: Looking for four 1, 2, or 4 Mb SIMM's for my Mac IIsi computer. Please call 494-8931 and ask for Ben or send e-mail to tao@mtl.mit.edu if you have some to sell.

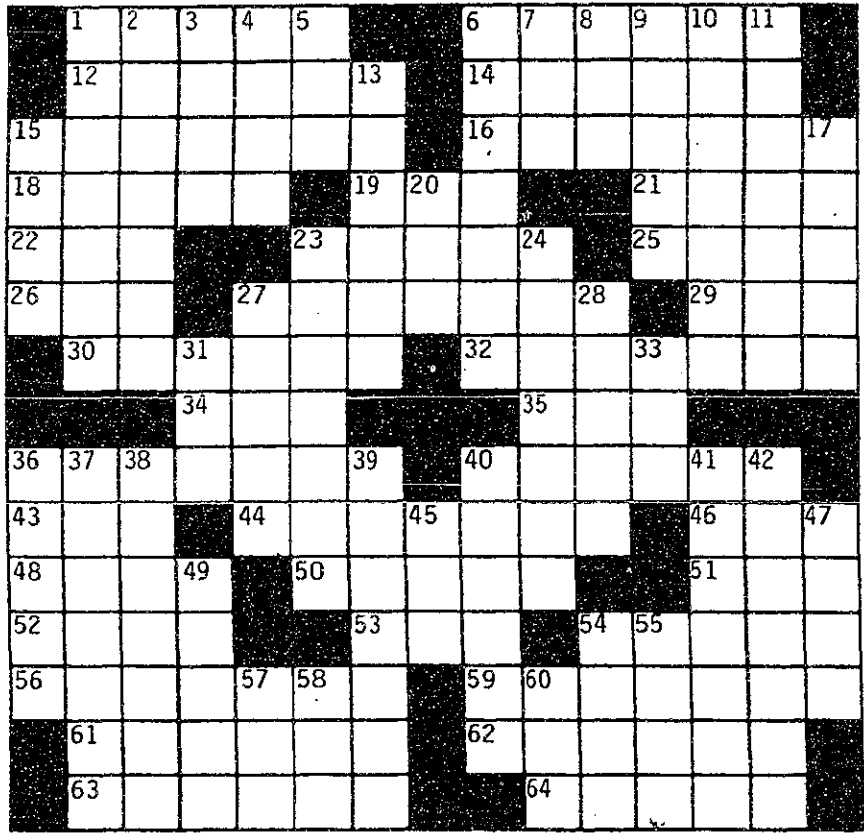
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Graduate Papers on Latin America Research on: Environment, Oil Tourism, and Education in Latin America. Selected papers will be contacted for interview to explore possibility of publishing. If interested send a one page abstract to: S.P.M. P.O. Box 398035 Cambridge, MA 02139.

■ Information

June degree candidates who have student loans should schedule an Exit Interview with the Bursar's Office in E19-215 (x8-5664). Exit Interviews are mandated by the U.S. Office of Education and are required by the Institute. If you received a notice in the mail but are planning on staying at the Institute, please call to let us know of your plans.



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ACROSS

- 1 "Beat it!"
- 6 Sticks together
- 12 Illness symptom
- 14 Biblical mountain
- 15 Labor
- 16 Aircraft landing aid
- 18 Engages
- 19 Former Middle East initials
- 21 See 52-Across
- 22 Former basketball league
- 23 Archie Bunker, for one
- 25 Accordingly
- 26 Calendar abbreviation
- 27 Places
- 29 Was corrosive
- 30 Calm
- 32 Rushed violently
- 34 Jazz pianist Tatum
- 35 Shanty
- 36 Glitter
- 40 Choose
- 43 Ad _____
- 44 Actor Peter _____

- 46 Unit of resistance
- 48 Soviet sea
- 50 Forays
- 51 Prefix: new
- 52 With 21-Across, Calif. college town
- 53 _____ soup
- 54 Saying what's on one's mind
- 56 The Three _____
- 59 Innocence
- 61 Make certain
- 62 Formally withdraw
- 63 Considered
- 64 "Nothing could be _____"

- 11 Act
- 13 Artificial channel
- 15 Defrost
- 17 _____ out (defeated)
- 20 _____ Khan
- 23 Soft drink manufacturer
- 24 Restraining lines
- 27 Songbirds
- 28 Human beings
- 31 To give: Sp.
- 33 Path (abbr.)
- 36 Hits
- 37 Plundered
- 38 Marine mollusk
- 39 Passed away, as time

DOWN

- 1 Penmen
- 2 Cary Grant movie
- 3 Split
- 4 Seward's folly (abbr.)
- 5 Roman 1051
- 6 Guard units
- 7 Exist
- 8 Frivolous _____
- 9 Pay for
- 10 College in Indiana

- 40 Certain automobiles
- 41 Acknowledge defeat
- 42 College major
- 45 Golf ball's position
- 47 Beauty mark
- 49 _____ change
- 54 Veni, vidi, _____
- 55 Item for Wolfgang Puck
- 57 Postage stamp ingredient
- 58 Sooner than
- 60 World War I group

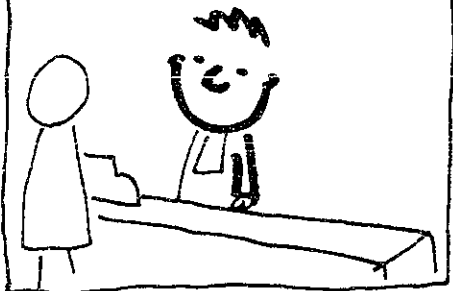
PUZZLE SOLUTIONS FROM LAST ISSUE



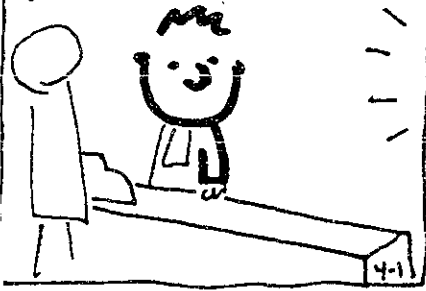
Jim's Journal

By Jim

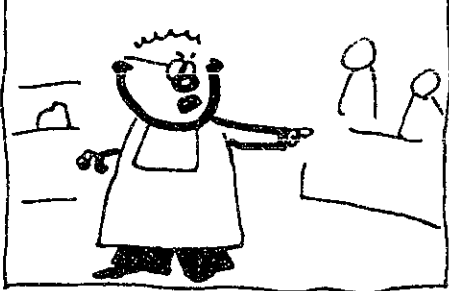
Today I worked the afternoon shift at the copy store.



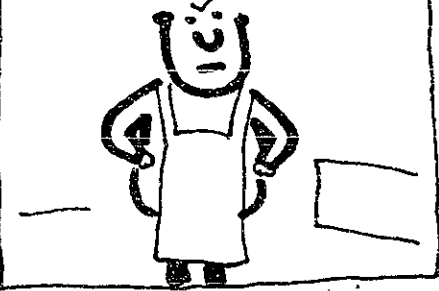
I was working the register when I heard yelling and boxes being thrown in the back room.



Then I saw Dan stomp out of the store, pointing to Joel, saying, "I'm sick of your crap!"



All the customers stared, and Hal, the manager, stood there not saying anything.



MIT Dominates Against Penn

Water Polo, from Page 24

on passes from Smith. Penn State answered with a goal on a 6 on 5 situation, but Clara Yang '95, scoring the first of her three goals, and Klepser tallied to push the MIT lead to 4-1. Just before the end of the first quarter, Penn State scored again to make it 4-2. The second quarter was all MIT as Klepser and Smith took over and stretched MIT's lead to 9-2 at the half.

Penn State never could cut into MIT's seven-goal halftime margin. Joynt added her second goal while Stacy Nemeroff '97, Cynthia Santilan '96, and Karin Muller G also scored, ending the game, 17-4.

MIT didn't play as well in their losses to Princeton and Brown. Princeton scored on their first four shots in the first three minutes and led 10-0 after one quarter. MIT

goalie Janet Woods '95 had 16 saves as MIT's defense tightened up and allowed only six goals in the final three quarters. Princeton played a very tight, aggressive defense that thwarted any MIT offense. Klepser finally scored in the fourth quarter, and the game ended 16-1.

The game against Brown was closer than the other two, though the scoreboard didn't reflect this. Brown scored first, but Klepser answered to tie the game 1-1 two minutes into the first quarter. Brown then scored six unanswered goals to take a 7-1 halftime lead. However, Harvard's malfunctioning game clock caused some controversy. On Brown's fifth goal, the 35-second shot clock failed to buzz. Brown's seventh goal came just after time had run out in the first half, but the buzzer again failed to sound.

Brown added six more goals in

the second half with MIT's only score coming when Klepser put in the rebound of a shot by Smith. Brown was able to capitalize on its scoring opportunities, but MIT failed to do the same. Though the final score was 13-2, Brown out shot MIT only 19-12. MIT also failed to score on its four-player advantages after kick-outs, including a six-on-four opportunity, while Brown converted both of their six-on-fives.

MIT will host the Women's Water Polo Non-League Championships this weekend at the Alumni Pool. MIT faces Mt. Holyoke College at 5:30 p.m. Friday, and Harvard at 10 a.m. and Amherst College at 1:45 p.m. Saturday. MIT hopes to avenge earlier losses to Amherst and Harvard. The Amherst rematch should be particularly good; MIT had entered the fourth quarter leading 6-4, only to lose by a score of 8-6.

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Women's Crew Sweeps 5 Races

By Megan Jasek

TEAM MEMBER

The MIT Women's crew team cleaned up in their races last weekend. The team sent five boats to Worcester last Saturday to race against Williams College, Connecticut College, and Worcester Polytechnic Institute. Three varsity boats raced along with two novice boats; all five boats won.

The first varsity eight crossed the line with a time of 7 minutes and 30.84 seconds beating Connecticut College by 5.44 seconds, Williams by 19.38 seconds, and WPI by 1:29.66 seconds. This boat had the best weather for their race suffering only from a 10-minute downpour in their warmup. During the race it was cloudy and dry.

The second varsity eight ended up with a time of 7:54.50 beating Connecticut College, their nearest competitor, by 37.46 seconds. It was an extraordinary performance by this boat as they faced heavy rain and strong winds for the last half of their race. One rower noted that it felt like the last 250 meters took 60 strokes (as opposed to the usual 25).

The third varsity boat raced Williams College and beat them by 37.8 seconds with a time of 9:17.25. This boat also faced severe weather in the last part of their race. The six seat commented that she felt like the sky opened up in the last 500 meters.

The first novice eight finished with a time of 9:05.44 beating Connecticut College by 8.08 seconds, Williams by 19.37 seconds, and WPI by 1:8.72.

The second novice eight beat Williams by 41 seconds with a time of 9:52.00. They defeated Connecticut College by 1:10. This boat had an interesting struggle when one of the rowers caught an over-the-head crab during the race. She recovered her oar, but could not manage to get her seat back in the proper position and consequently rowed part of the race off of her seat. These difficulties did not stop the boat from victory, however.

Varsity women's coach Mayrene Earle said that these were big wins for MIT. "The sweep shows the depth of our team from the strongest to the weakest rower. The winter training that we did is really starting to show." She also commented on the conditions, "The conditions were unbelievable. We have never raced in such a strong wind and a severe rain." Next week the varsity crew will focus on cleaning up its sprint. All crews and coaches are looking forward to the New 8 Regatta next Saturday.

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SPORTS

Water Polo Finishes 1-2

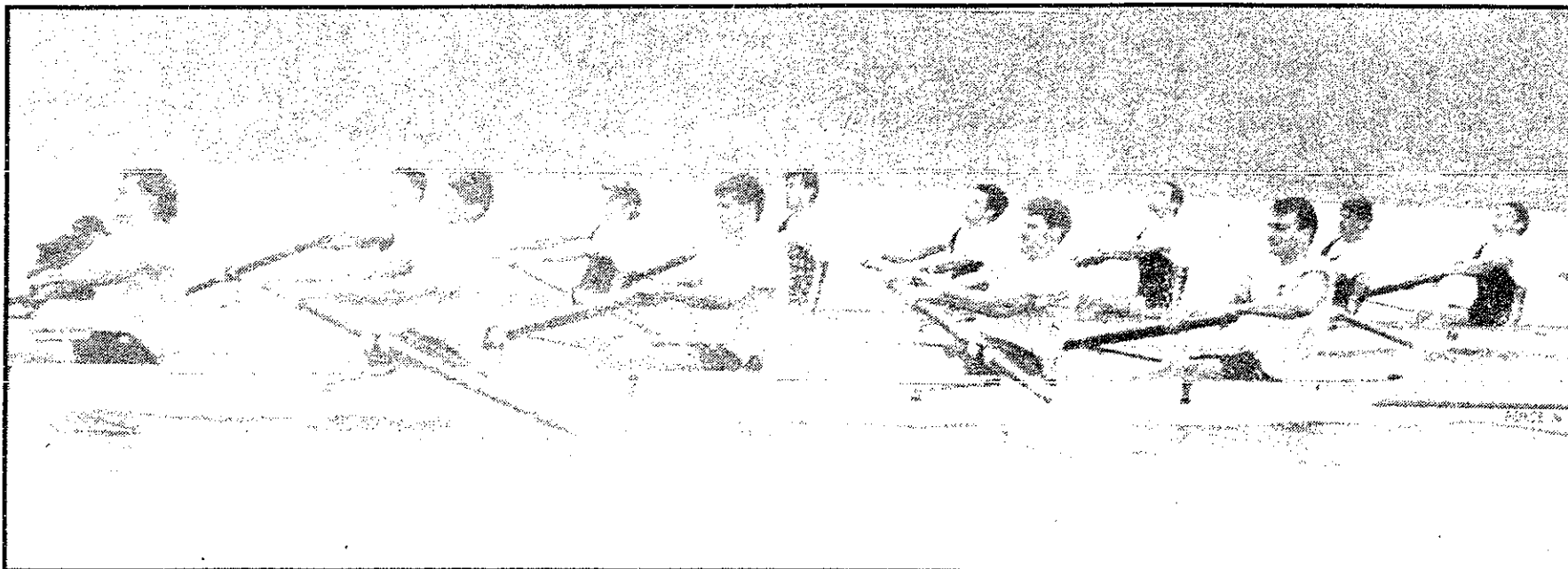
By Darren Castro

MIT's women's water polo team traveled up Memorial Drive last weekend to participate in the Harvard Invitational Tournament. They finished 1-2 for the weekend, defeating Penn State while dropping matches to Princeton University and Brown University.

MIT thoroughly dominated Penn State outscoring them 17-4 and outshooting them 25-10. MIT's two main players were Amy Smith G and Cheryl Klepser G. Smith's pressing defense and orchestration of the offense set up many goals. She controlled mid-pool, distributing the ball for nine and scored three times herself. Klepser, playing hole set, received several of Smith's passes and tallied five goals on six shots, while also contributing two assists.

Gillian Lee '95 and Katie Joynt '94 staked MIT to a quick 2-0 lead

Water Polo, Page 23



JONATHAN LI—THE TECH

MIT places third in the varsity heavyweight crew race Saturday.

Heavyweight Crew Falls to Nation's Best

By Lorin Theiss

TEAM MEMBER

The heavyweight crew lost to Harvard and Princeton on the Charles last Saturday in the Compton Cup race. Harvard and Princeton are currently considered two of the three fastest crews in the nation. MIT will face both of these crews again at Eastern Sprints in May.

The first varsity boat came off the starting line quickly staying right with Harvard and Princeton through the first 500 meters. MIT was down three seats to Princeton and four to Harvard. MIT stayed in contact through most of the first 1,000 meters. Gradually Harvard

moved away from Princeton to take the lead as Princeton moved on MIT. Harvard finished the course in a time of 5:56.2 with Princeton at 6:01.2 and MIT at 6:17.4. "We keep improving each week, but we have a way to go to compete with crews like Harvard and Princeton," said oarsman Nate Crosswhite '95.

In the second varsity race, MIT with a time of 6:47.5 lost by 45 seconds to Harvard, while Harvard beat Princeton by less than 3 seconds. The second varsity rowed a strong first 1,000 meters staying close to Harvard and Princeton. At the 500-meter mark, MIT was half a length down on Harvard and three-fourths of a length

down on Princeton. Tech stayed in contact until about 750 meters into the race. "We could have rowed technically better, but we're improving each week," said coxswain Peter Yao '95.

The third varsity race was won by Princeton followed by Harvard and next MIT. The freshmen first boat, with a time of 6:42.2, finished 36 seconds behind Princeton and 28 seconds behind Harvard. The second freshmen boat lost to Princeton by 35 seconds; Harvard finished three seconds behind Princeton.

The Engineers have a bye next weekend but face Tufts University on April 27.



Christine Sai-Halasz participates in a time trial Sunday. She finished ninth.

Sai-Halasz Wins 2nd In Women's Cycling

By Yehoram Hofman

TEAM MEMBER

Last weekend, the cycling team traveled to West Point to participate in the Army Spring Classic, edging out top schools such as Boston College and Penn State in some events. The racers arrived with a determination to win in their respective events and rack up points towards the national championship.

The schedule consisted of three different races, each with individual classes determined by distance, that were held over a two-day period. It included a very hilly road race, an individual time trial and hill climb, and a high-speed criterium held within the West Point campus.

On Saturday, the weekend began with the men's A-team racing a whopping 75 miles through a very difficult road course. Larry Tsai G finished a respectable 16th, considering the race was being held during

a torrential downpour and had as many as 50 people competing in an event. In the men's B's, Andy Mor '94 finished 5th after a grueling 48-mile road course.

Then the sun came out and the roads dried off. In celebration of this wonderful weather, Christine Sai-Halasz '94 finished 2nd in the women's B race, winning the field sprint with a huge smile on her face. Despite the recent successes in the road race, the C and D teams weren't as lucky and did not place.

The team's luck quickly changed for the better Sunday morning when Jeff Roth '96 came in 3rd in the individual time trial. The time trial consisted of a 2-mile hill climb on the outskirts of the West Point campus. Racers were sent off individually in 30-second intervals and drafting was prohibited. The B team

Cycling, Page 21

Holyfield Will Outlast Moorner in Heavyweight

By Mike Duffy
and Andrew Heitner

SPORTS COLUMNISTS

Greetings once again to our faithful. Your humble scribes are a bit weary this week, having both turned in times of 4:20 at the Boston Marathon on Monday. Because of car troubles, the first 2:10 was spent running from Somerville to Hopkinton to get to the starting line. Nevertheless, the race was easy to complete with the aid of the "beer on a stick" hats that the brainiacs over in the Cognitive Sciences department rigged up for us....

Before the festivities begin, we give a hearty *Let's Argue* welcome home to some former MIT sports luminaries who are making their way back to the Hub for the weekend. Not since Thomas Jefferson dined alone has so much greatness been assembled in one place at the same time: Chris Sonne '91 (basketball), Ken "Case" Chay '91 (lacrosse),

John "The Potato" Sell '91 (wrestling), Alex Virgilio '92 (basketball), Sue Scruggs-Virgilio '93 (soccer), Willie Scruggs '92 (soccer), Denae Goodhope-Scruggs (basketball), Mike Bowers '92 (sailing), Dr. Steve Hao '92 (lacrosse), Alex Medina '92 (4-square), Tom Aviv '91 (hackysack), Andy Obst '91 (beaver huntin'), and His Majesty, Sir Vix Antaramian '92 (rugby)....

After a more-than-5-month lay off, the heavyweight title (there is only one, and Lennox Lewis does not have it) is finally on the line again, as Evander Holyfield laces 'em up to take on challenger Michael Moorner tonight in Las Vegas. Moorner has an impressive record at 34-0 with 30 KO's, including the first 26 in a row. But his first 22 fights came as a light heavyweight, while the next four were as a cruiserweight. Meanwhile,

Let's Argue, Page 20



MARK D. BOCKMANN—THE TECH

Kenneth Mills '97 approaches the net and continues to score the goal in MIT's game against Western New England College last Thursday. MIT lost 12-10.