

Former President J.A. Stratton '23 Dies at 93

By Sarah Y. Keightley
EDITOR IN CHIEF

Julius A. Stratton '23, who served as MIT's eleventh president from 1959 to 1966, died of pneumonia on June 22, at the age of 93. There will be a memorial service on Wednesday, Sept. 21 at 1 p.m. in Kresge Auditorium.

Stratton was an internationally-known scientist who distinguished himself as both an educator and an administrator. He had been associated with MIT since his undergraduate years at the Institute, which began in 1920.

During his administration, Stratton revised the curriculum and expanded the graduate program. In the last three years of his tenure, more than \$40 million in new buildings were constructed. Stratton was also revered as a champion of student welfare. He helped with the development of McCormick Hall, the allotment of living space for married students, and the expansion of athletic facilities. When the student center opened in 1965, the student body requested that the building be named after him, in recognition of his devotion to student life and student affairs.

Along with his dedication to

MIT, Stratton served under several U.S. presidents on a variety of national boards and committees. Also, he was active in professional and scientific organizations and was a trustee of several education and cultural institutions.

Chairman of the Corporation Paul E. Gray said, "As professor, the first director of the first university interdepartmental laboratory, provost, chancellor, and as president, Jay Stratton provided distinguished, wise, and compassionate leadership to the Institute during a time in which the relationship between the research universities and the federal government was in flux, and the complexion and mission of MIT was also in transition. Jay's strong commitment to the arts and humanities at MIT was particularly important in a period when those activities were first flowering."

President Charles M. Vest said, "Jay Stratton's leadership in science and academia helped shape not only MIT, but institutions throughout the nation."

Contributed much to MIT, society

Stratton was born in Seattle, on May 18, 1901. When he was young,

his family lived in Germany, and he started school there. Later, growing up in Seattle, he developed an interest in the then-frontier field of radio.

Stratton came to MIT in 1920, and earned his SB in electrical engineering in three years. As an undergraduate, he was secretary of the Radio Society. He returned to MIT for his graduate work and received his master of science degree in electrical engineering in 1926. He did a doctoral study at the Swiss Federal Institute of Technology and received an ScD degree in mathematical physics in 1928.

He again returned to MIT, this time as an assistant professor in the electrical engineering department. He later transferred to the physics department, where he became an associate professor in 1935 and a full professor in 1941.

His research included work on the propagation of short waves, which at the time were not as well understood as the long waves used in radio transmission. He was a leading member of a group at MIT engaged in the study of electromagnetic theory and microwaves, laying the foundations for modern elec-



TECH FILE PHOTO

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Dr. Julius Adams Stratton '23 in 1975.

DOD Cut Threatens Research

By Ramy A. Arnaout
ASSOCIATE NEWS EDITOR

In a move that could have dire consequences for university-based research at MIT and schools across the country, the House Appropriations Committee last month approved a measure that would cut next year's Defense Department university research funding in half — from \$1.8 billion to \$900 million.

Should the Senate approve the bill when it comes up for debate next month, MIT would face a loss of \$34 to \$40 million in DOD funding next year, according to a release from the MIT Office of Government and Community Affairs. According to *The Boston Globe*, DOD funding represented \$72 million, or roughly 20 percent, of MIT's total research funding this year.

The proposed cut would also deal a heavy blow to other Massachusetts schools: the Woods Hole Oceanographic Institute could expect a loss of up to \$8.4 million; the University of Massachusetts, \$7.8 million; and Harvard University, \$6.8 million, the *Globe* reported. Overall, the proposed measure could cost the state \$100 million

next year in DOD university funding, and even more money in the future, as the reduction in research investment would dampen the usual growth of area spinoff companies, the *Globe* reported.

Faculty concerned

Faculty and staff alike expressed apprehension at the subcommittee's proposed funding cut, and cited both the historical and current importance of DOD support.

"I think [the implications of the outcome] will be very important for the Institute as a whole, and in fact for the scientific research and economic productivity in the country," said Professor Mujid S. Kazimi, head of the Department of Nuclear Engineering. "The DOD funding in areas such as communications, aerospace, and artificial intelligence has propelled such fields in the U.S. to more advanced levels than [in] the rest of the world. Consequently, the competitiveness of the U.S. in such areas will suffer as the introduction of new technology decelerates" in response to the cut, said Kazimi, whose department would be affected by the measure.

"The point that deserves atten-

tion is that the reason this [measure] passed the House is that there is some latent feeling in Congress that the budget of research universities should be cut," said Paul L. Penfield Jr. '60, head of the Department of Electrical Engineering and Computer Science, which stands to lose significant funding if Congress approves the cut.

"This is not a separate incident. Even if we win this year, this is an issue that will come back next year, and the next," Penfield said.

"It is not hyperbole to say that the impact would be devastating," said John C. Crowley, special assistant to the president and director of MIT's Washington office, in *Tech Talk*.

Provost Mark S. Wrighton agreed. "This is not budget trimming," he said in the *Globe*. "This is the budget ax."

The cut would also trouble the Undergraduate Research Opportunities Program, which is still fighting the effects of new overhead costs imposed earlier this year.

"What hurts MIT's research, hurts UROP," said UROP Coordi-

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SHARON N. YOUNG PONG—THE TECH

Students speak with Dr. Timothy M. Melchior, the principal of Memorial Junior High School who was one of the participants at the Showcase in Best Practices in Teaching Thinking. This program was held in lobby 13 yesterday.

MIT Aims to Comply with ADA

By Daniel C. Stevenson
ASSOCIATE NEWS EDITOR

Director of Special Services Stephen D. Immerman is currently forming an *ad hoc* committee to design and implement a strategy to improve MIT's services for disabled persons, according to John R. Squillante, an assistant in Immerman's office. The committee will work specifically to comply with the provisions of the 1990 Americans with Disabilities Act.

The creation of this committee comes during a period of intense activity with regard to physically modifying and upgrading buildings and facilities on campus, said ADA Projects Coordinator for Physical

Plant Roy E. Ward.

In a March letter to Senior Vice President William R. Dickson '56, former Undergraduate Association Vice President Anne S. Tsao '94 said that the disability services at MIT may not be in compliance with the ADA ["Institute Is Failing to Comply with Federal Disability Rules," Apr. 8]. "MIT is supposed to provide services and an environment for disabled students that are conducive to one's educational pursuits," Tsao said.

In her letter, Tsao raised concerns about building modifications, community awareness, and the role of a federally mandated coordinator.

The issue of a disabilities ser-

vices coordinator has yet to be resolved. The coordinator is "intended by the federal government to be a central person that could aid disabled students and personnel via counseling, referrals, and advocacy," Tsao said.

However, along with the present building and facility changes, a publicity and education campaign will address Tsao's concerns about community awareness, according to Michael K. Owu, an associate planning officer in the planning office.

Improvements are significant

The recent and upcoming build-

ADA, Page 6

Proposed Bike Lanes Upset Planning Office

By Sarah Y. Keightley
EDITOR IN CHIEF

The City of Cambridge has presented a proposal to create two bicycle lanes along Massachusetts Avenue, with one of the lanes replacing between 20 to 29 parking spaces along the Student Center side of the street. Massachusetts Avenue from Lafayette Square, at the Main Street intersection, to Memorial Drive would be affected.

At a hearing last month, the Cambridge Environmental Program and the Cambridge Community Development Department presented their proposal to the public. The MIT Planning Office voiced its opposition to the plan at the hearing because it does not adequately address pedestrian safety, said Director of Planning Ovadia R. Simha MCP '57.

Simha said that "in the plan the city has put forward so far, the plan

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WORLD & NATION

Officials Fight for Vaccine Program Despite Shortcomings

LOS ANGELES TIMES

WASHINGTON

The Clinton administration vowed Tuesday to press ahead with its embattled preschool vaccination initiative even as lawmakers released a congressional report raising fundamental questions about the program.

"This is no time to reverse course," U.S. Health and Human Services Secretary Donna E. Shalala said at a news conference called to respond to the report by the congressional General Accounting Office. "Congress and the president have set a course and our goal is within reach."

The GAO report questioned whether the Vaccines for Children program could begin on time, assure the integrity of highly sensitive vaccines and achieve its goal of boosting immunization rates by expanding the distribution of free vaccine. Four members of Congress who released the assessment promised to seek to delay the start of the program or scrap it entirely.

But a short time later, a phalanx of senior administration officials defended the \$500 million-a-year plan and expressed confidence that they can meet the Oct. 1 starting date. The program would expand the purchase of discounted vaccines and distribute nearly one-third of the nation's supply through a single facility in New Jersey.

The new program, which was touted by President Clinton as his first domestic policy initiative, will provide free vaccines to private physicians to immunize Medicaid recipients who are children, uninsured children and Native Americans. In addition, children whose insurance does not cover vaccines will be eligible if they receive their shots at a federally approved community health center or rural clinic.

Bosnian Serb Leaders Won't Disclose Peace Plan Decision

SPECIAL TO THE LOS ANGELES TIMES

BELGRADE, YUGOSLAVIA

Bosnian Serb leaders ended two days of heated debate Tuesday, refusing to publicly disclose their decision on a "last-chance" international peace plan that would partition war-ravaged Bosnia-Herzegovina.

Bosnian Serb officials, however, reportedly voted to give conditional approval to the accord — an answer previously described as a rejection by the plan's architects: the United States, Russia, Britain, Germany and France.

These five nations, acting in concert to try to end the two-year conflict that has claimed an estimated 200,000 lives, had set a Tuesday deadline for the warring parties to give a decisive "yes" or "no" to the peace plan, devising a package of punishments and rewards for them depending on their response.

In Washington, Anthony Lake, the White House national security adviser, warned the Bosnian Serbs they will face "consequences," if they reject the plan or attach unacceptable conditions to it. The plan would give the federation of Muslims and Croats 51 percent of Bosnia, leaving the rest to the Bosnian Serbs, who have seized control of 70 percent of the country.

Although he indicated the Clinton administration would be flexible on details of a peace accord, he said the U.S. government will not go along with attempts to annex Serb-controlled parts of Bosnia to Serbia.

Female Officers Charge The CIA with Discrimination

THE WASHINGTON POST

WASHINGTON

Nearly one-third of the CIA's female case officers have joined to allege that the agency's clandestine service has discriminated against women in promotions, country assignments and spying tasks.

Lawyers representing this group of women were prepared to file a class action complaint in U.S. District Court last year, but held off when the CIA agreed to enter negotiations to resolve the matter, according to the women's lawyers and CIA officials.

The dispute began in December 1992, when a mid-level female officer went to an attorney after she was denied promotion upon her return to the United States from an overseas tour. In succeeding months more women came forward with claims of discrimination, and agreed to file a lawsuit unless a settlement is reached.

According to an attorney representing the complainants, female CIA intelligence officers' careers have suffered because they have been given administrative and reporting functions when assigned overseas, rather than being sent to develop important agents.

Although agency officials say they are moving promptly to address the women's allegations, there has been some tension surrounding the dispute. CIA officials have required materials in the matter to be kept classified and are skittish about public reporting of any instances of alleged intentional CIA discrimination.

The settlement negotiations are expected to see the exchange of statistical data next month, with detailed talks beginning in September, according to both sides. The hope is for filing of an agreement in court next spring, according to the lawyers.

WEATHER

Sunny and Hot

NATIONAL WEATHER SERVICE

Today: Mostly sunny and hot. High in the lower 90's (35°C). Southwest wind 5 to 15 mph (8 to 24 kph) with local seabreezes possible.

Tonight: Mostly clear and muggy. Low 70°F (21°C) to 75°F (24°C).

Tomorrow: Hazy sunshine, hot and humid. High around 90°F (32°C).

Hutu Supporters Flee Rwandan Zone for Zaire

By Jonathan C. Randal
THE WASHINGTON POST

CYANGUGU, RWANDA

Several hundred thousand supporters of the ousted Hutu government of Rwanda have fled the French-protected zone in southwestern Rwanda and crossed into Zaire at this southern border post to begin an uncertain life as exiles.

Unlike the hundreds of thousands of exhausted and bedraggled refugees who have trudged into Zaire at Goma, at the northern end of Lake Kivu, many of those fleeing Rwanda's French zone in the last three days seem well-heeled and articulate. Many traveled in cars, trucks and buses, and almost all wore shoes.

Since the Tutsi-led Rwandan Patriotic Front declared victory over the Hutu-led government Monday, these refugees have become players in the end game of Rwanda's three-month-old civil war.

The stakes are high for the triumphant rebel front, which Tuesday swore in a "national unity" government in Kigali, the capital, after winning a war that has claimed an estimated 500,000 lives. Most of the victims have been members of the 14 percent Tutsi minority, slaughtered by government-backed Hutu militias.

Maj. Gen. Paul Kagame, the rebel leader who Tuesday became Rwanda's vice president and defense minister, has sought to reassure the majority Hutus that they have no reason to flee. Two moderate ethnic Hutus, Faustin Twagiramungu and Pasteur Bizimungu, were sworn in as prime minister and president. But the leaders of the ousted hard-line Hutu government

have mounted what appears to be an organized campaign, mostly through radio broadcasts, predicting Tutsi retribution, to persuade their supporters to follow them into Zaire.

The stakes also are high for France, whose much-trumpeted humanitarian security zone in southwestern Rwanda could become pointless if the estimated 1.3 million Hutus, who withdrew into the area in the face of advancing Tutsi rebels, cross en masse into Zaire. Its humanitarian intentions impugned first by the rebels and now by the defeated Hutus, the French army dropped pamphlets from helicopters Tuesday exhorting people now in the zone to stay put and to trust in France's promise to guarantee their safety.

The French mission has come under bitter criticism from the fleeing Hutus, many saying they are disappointed that Paris failed to prevent their defeat.

Only four weeks ago, at the start of the French intervention, Leonard, a Rwandan customs agent, had fashioned this border crossing point with banners celebrating French-Rwandan friendship and had beamed with goodwill toward "France, our savior." But Tuesday, the normally mild-mannered civil servant surveyed the nearby frontier with Zaire, eyed a French Foreign Legionnaire and spat out his hatred for what he called "double-talking France" and "all white men who have betrayed us." Outside his customs office, automatic weapons were stacked haphazardly as a humiliating reminder that Rwandan troops must abandon their arms if they choose exile in Zaire.

"We are 7 million now,"

Leonard said. "We Hutus will come back 17-million strong when our children avenge our fate and reoccupy this country we have emptied rather than accept (rebel) rule."

Col. Venant Musonera, the Rwandan army commander here, said his job was to arrange an orderly transfer of Rwandan troops to Zaire because "if the RPF comes here, the military will be their first victims." Already, more than half the Rwandan troops in the French zone, between 5,000 and 6,000 men, have crossed into Zaire, according to French sources.

Since the flood of Hutus began arriving here Sunday, Lt. Col. Jacques Hogard, a legionnaire who commands the French contingent here, has brought more troops into this border town to discourage an outburst of looting, theft and murder.

That outburst of violence coincided with the departure from the humanitarian security zone — at French insistence — of the president of the interim regime in Kigali that took power after President Juvenal Habyrimana died in a plane crash April 6. Before leaving here with his ministers, interim president Theodore Sindikukwabo had launched a radio appeal to all Hutus inside the French zone to follow him to Zaire.

Hogard said he believed that the peak of the exodus was over, now that 300,000 Hutus had passed through Cyangugu into Zaire. But U.N. officials estimated that as many as 600,000 Hutus were still headed for this town from Kibuye at the northernmost point of the French zone, and that a similar number was on the march from Gikonkoto, at its easternmost point.

South Pole Scientists Get View of Jupiter-Comet Clash

By Robert Lee Hotz
LOS ANGELES TIMES

In a frozen wilderness where explorers once died for the sake of a penguin's egg and chunks of petrified wood, Hien Nguyen is collecting spectacular images of a fire in the sky.

At the South Pole — atop an icepack two miles thick, where it is drier than the Sahara and colder than parts of Mars — astronomers such as Nguyen this week are getting what may be the clearest view on Earth as Jupiter and a comet clash in the heavens overhead. While their colleagues at other major observatories around the world contend with rain, fog, pollution and viewing opportunities constrained by daylight, Nguyen and his colleagues at the South Pole Station can be assured of pristine darkness throughout the celestial encounter.

At this time of year, the sun at the South Pole never rises and Jupiter never sets, because the station is centered on the axis of the earth's rotation.

As the death rattles of the comet Shoemaker-Levy 9 on Jupiter ignited blazing fireballs and dark storms larger than Earth itself, almost the entire staff of the station huddled together in the cold by Nguyen's small infrared telescope to marvel at the sight before them.

"For the first time, the whole station felt like we were together," Nguyen reported Tuesday via a satellite link.

Nguyen, who fled Vietnam to Southern California in 1981, is among 26 scientists spending the six

months of continuous winter darkness under the blue geodesic dome of the National Science Foundation's South Pole Station. Now a research associate at the University of Chicago, he is the station science leader.

The spreading bruise of debris and superheated gases in Jupiter's southern hemisphere caused by Monday's explosion of a two-mile-wide comet fragment now rivals the 300-year-old "Great Red Spot" as the most prominent feature on the planet's immense surface, astronomers said. The red spot measures 20,000-by-8,000 miles.

Two more comet fragments hit Jupiter Tuesday. The white-hot glow from one impact — Fragment K — was at least three times the size of Earth. Starting Wednesday, three more large fragments were to slam into the planet's upper atmosphere, hitting the same spot repeatedly over a period of 20 hours.

"You'll have three — boom, boom, boom," said planetary scientist Heidi B. Hammel, who is leading the scientists analyzing the images from the Hubble space telescope. "You are going to have one heck of a mess."

By Tuesday, the South Pole Infrared Explorer Telescope that Nguyen is operating had detected five of the nine comet fragments that had struck Jupiter, he said in an interview conducted via electronic mail.

"For this particular event, our polar site is unique since the sky is continuously dark during the impact period," he said. "Had this occurred during the summertime, our detector

would be immediately saturated by the shining sky background and probably would not be able to detect Jupiter itself, let alone the explosions."

Conditions are so extreme — the temperature Monday was minus 80 degrees Fahrenheit, with 25 mph winds drifting snow over the telescope — that the atmospheric impurities and water vapor that blur most astronomical images freeze out of the air.

The frigid atmosphere over the South Pole contains less than one-tenth the water vapor found over the Mauna Kea observatories in Hawaii, one of the best of all existing telescope sites.

Infrared light, an invisible form of light emitted by heat, is more easily detected in the bitter chill. Because the telescope also is more sensitive when it is refrigerated, the small 24-inch SPIREX instrument is yielding some of the most dramatic and important images of the impacts on Jupiter.

"The atmosphere at the Pole is many times more stable and transparent than for the best mid-latitude infrared observatories," said John P. Lynch, the NSF's director of polar astronomy and astrophysics. "Because of the cold, dry atmosphere and the cold telescope itself, a two-foot telescope at the South Pole might be comparable to a 30-foot telescope — like the Keck at Mauna Kea — at those infrared wavelengths."

"That is an awfully extreme thing to say, but that is what the numbers show," Lynch said.

Clinton Administration Delays Haiti Intervention Until Fall

By Kenneth Freed and Doyle McManus
LOS ANGELES TIMES

PORT-AU-PRINCE, HAITI

Despite a steady drumbeat of threats aimed at frightening Haitian military leaders out of power, the Clinton administration has set aside any plan for armed intervention until September at the earliest, U.S. and foreign officials said Tuesday.

The main reason is practical, the officials said: The U.N. force that would be needed to provide order on the island after U.S. troops come ashore will not be ready before the fall.

At the same time, administration officials noted, Democratic leaders in Congress have asked President Clinton to hold off, expressing fears

that the American public is not yet convinced that an invasion is justified.

"I don't think we're talking months," a senior U.S. official said when asked how long the option of military action was being delayed, "but weeks, sure." Asked if that meant that no invasion was likely before September, he nodded affirmatively.

In Washington, a State Department official involved in Haiti policy said it is becoming clear that no military action would be launched in August.

And in Jerusalem, Secretary of State Warren Christopher said he was willing to wait for some time before recommending an invasion.

The officials' estimates conflict-

ed with the administration's own public threats against the regime of Lt. Gen. Raoul Cedras, the military leader who overthrew Haiti's elected president, Jean-Bertrand Aristide, in 1991.

Only a week ago, in Berlin, Clinton said that the Cedras regime's continued existence is intolerable. But even while he is keeping the military option ostentatiously on the table, Clinton still hopes that Cedras will decide to leave without an armed confrontation, the officials said.

Diplomats in the Haitian capital said the main factor delaying military action is the inability of the United States and its key allies to assemble an international force to handle peacekeeping duties on the island after any invasion.

Health Insurance for 95% Will Satisfy Universal Coverage Goal

By Ann Devroy
THE WASHINGTON POST

BOSTON

President Clinton said Tuesday that health insurance for 95 percent of all Americans would satisfy his long-standing goal of universal coverage.

Clinton, speaking to the National Governors Association, also said that he was not wedded to one of his plan's most divisive elements — the requirement that all employers pay most of the insurance bill for their workers, the so-called employer mandate.

Signaling his flexibility to a Congress struggling to write health care legislation, Clinton called for a

"phased-in, deliberate effort" to provide insurance to all Americans and for the first time said he could accept coverage of "somewhere in the ballpark of 95 percent upwards."

Senate Minority Leader Robert J. Dole, R-Kan., who had addressed the governors immediately before Clinton, and Majority Leader George J. Mitchell, D-Maine, drew sharply divergent messages from the president's remarks that tended to reinforce their respective positions.

Dole, who opposes employer mandates, said he regarded the president's remarks as a significant shift in position. "Apparently he's now willing to drop his demand for

employer mandates," Dole told reporters after senators' weekly caucus luncheons. Mitchell, who supports employer mandates, said he understood Clinton to "say what he's said before — that mandates are the most efficient way to assure universal coverage but he is willing to consider alternatives."

The Finance Committee is alone among the four committees that passed health bills in rejecting the mandate.

In the House, where support for the employer payment is stronger, proponents of comprehensive reform said the president may simply be trying to find a way to achieve universal coverage.

Senate Panel Unanimously Approves Breyer's Nomination

LOS ANGELES TIMES

WASHINGTON

Stephen G. Breyer's nomination to the Supreme Court won unanimous approval from the Senate Judiciary Committee on Tuesday, clearing the way for his expected confirmation by the full Senate within several days.

Committee Chairman Joseph R. Biden Jr., D-DeI., said the vote by 10 Democrats and eight Republicans should bring the panel's recommendation before the Senate by Friday or early next week. Commending Breyer on his fairness and his skill in explaining complex issues, Biden said: "These qualities should serve Steve Breyer well on the Supreme Court."

Breyer, 55, would become the nation's 108th justice, replacing the retiring Harry A. Blackmun. He is President Clinton's second appointment to the Supreme Court, following the nomination of Ruth Bader Ginsburg last year.

A federal jurist since 1980, Breyer is chief judge of the U.S. 1st Circuit Court of Appeals in Boston and a former chief counsel of the Judiciary Committee.

Koreans Say Goodbye to One Leader, Pledge Loyalty to Another

LOS ANGELES TIMES

SEOUL, SOUTH KOREA

In an outpouring of tears and wailing expected to continue Wednesday, more than 2 million North Koreans in Pyongyang bade farewell Tuesday to the late President Kim Il Sung, and, according to communist media, pledged loyalty to Kim Jong Il, his son and now successor.

Analysts said a mass "memorial" — which was to be held Wednesday as a funeral follow-up — would be used to turn North Koreans' emotions toward the son, who has been groomed for two decades for Communism's first hereditary takeover.

In North Korean broadcasts — aired by the American Cable News Network but shown only on sparsely viewed South Korean satellite channels — a sedate Kim Jong Il, 52, saw off a stretch-limousine bearing the crystal casket of the "Great Leader" on its roof.

TV announcers tearfully repeated declarations of sorrow and occasionally added pledges of respect and allegiance to Kim Jong Il.

A flower-framed portrait of Kim Il Sung — which was three times the size of the car on which it was mounted — was followed in the funeral procession by a massive wreath atop another vehicle that bore a ribbon with Kim Jong Il's name on it.

South Korean officials and analysts predicted that North Korea would announce Wednesday — during or after the memorial service — what new posts Kim Jong Il would assume.

Graduate Student Council

Summertime,
summertime,
sum, sum,
summertime.....



Just a few events to keep everyone busy and enjoying themselves!

TRIPS!

July 23

Hampton Beach Trip Join us for a relaxing day at the beach! For \$5, we'll bring you there, take you back, and not disturb you the rest of the time! Sign up now!

August 7

Tanglewood Spend your Sunday afternoon listening to the Boston Symphony Orchestra at their summer home in the Bershires. Only \$15 for show and transportation. Tickets on sale now.

To keep us organized, the meetings continue....

Tuesday, July 26 - Activities Committee

Thursday, July 28 - Housing and Community Affairs Committee

Monday, August 1 - Orientation Committee

Wednesday, August 10 - Academic Policies and Projects Committee

Tuesday, August 16 - General Meeting



Meetings are at 5:30pm in the Graduate Student Lounge, Walker Memorial Room 222.

All MIT graduate students are welcome to attend any GSC meeting.

Come on by, we always feed you dinner!

For more information about the GSC, send email to gscadmin@mit, or call 3-2195. To keep up to date on all our events, add yourself to our mailing list. Within athena type **blanche -a username gsc-students**, or write to gsc-request@mit. See you soon!

OPINION

Letters To The Editor



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Soccer Not Highly Regarded in United States

I am writing in response to Michael K. Chung's column regarding international soccer ["Soccer Needs More Television Coverage," June 21]. I never knew soccer was one of the most popular sports in the United States. In *The Boston Globe* about one-quarter of the people interviewed knew that the World Cup was a soccer event.

I agree that soccer is a very popular sport abroad, but in the United States its enthusiasm is held mainly by younger kids who play the sport.

I know only one person who is interested in watching a soccer match in the World Cup. Television stations would be crazy to broadcast the games since the American public only has a passing interest in the sport.

Soccer is not very popular in the United States. There is a little-known professional league in the United States (I saw one game on ESPN). I don't know of or have never heard of a college championship for soccer. The U.S. World Cup team is unknown to most of the people here. Ask someone if they could name one person on the team and you'll see what I mean.

Soccer games are very low scoring, a key to drawing excitement. How popular do you think American football, basketball, and baseball would be if they ended in 0-0 ties many times? While hockey is low scoring, it is much more physical and fast-paced, adding excitement to the game. Soccer is a sport which isn't highly regarded here in the United States.

John A. Parente '96

Cyclists Should Speak up for Proposed Bike Lanes

A photo caption describing a proposed bike lane along Massachusetts Avenue which appeared in the June 22 issue of *The Tech* is erroneous. The proposal calls for removing one parking lane in order to create two bike lanes, one in either direction, adjacent to the outer travel lanes, not a single lane on one side. (Note that neither of these lanes would be between the curb and the parking lane, as has been supposed by the MIT Planning Office and reported to callers requesting information.)

The main objection to the project is a loss of temporary parking spaces. This is a serious concern. The City of Cambridge is currently looking for alternative spaces, such as on side streets, to replace the 21 spaces that merchants will lose.

As for the spaces adjacent to MIT, the position of the MIT Planning Office is that these 29 spaces represent a "precious resource" to the MIT community which cannot under any circumstances be violated — even though MIT has more than 2000 spaces in its inventory, (for which it charges \$20 per year) and even though the MIT Planning Office issued a Bicycle Plan encouraging the City of Cambridge to provide safer bicycle routes.

Ovadia R. Simha, director of planning at the MIT Planning Office, believes he speaks for the MIT community when he says that the need for parking has a higher priority than safer and more comfortable roadways for bicyclists. I believe he does not. Send your comments to him directly. The design decisions will be finalized over the coming weeks.

Paul M. Schimek G

Legislators Should Be Careful when Regulating Internet

The letter written by Shamsul A. Sopiee '97 ["United States Needs Internet Regulations," May 27] raises an important issue regarding Internet, but only skims its surface. The solution offered is little more than a meaningless blank statement. However, the topic is one which should be explored further.

Internet has traditionally been the domain of academia. As such, it was self-regulated. And such self-regulation worked. However, it has become increasingly accessible to others during the past decade, and with such commercial online services as Delphi and America Online offering connections to Internet, the door has been opened for further accessibility. Businesses, too, are using Internet to greater degrees. The global impact of Internet, allowing persons around the world to communicate instantaneously, is enormous. The question is whether self-regulation can continue to effectively govern the rapidly-expanding Internet.

Self-regulation continues to work. When rules are transgressed, the offender is ostracized from Internet. Case in point: a few months ago, a lawyer decided to use Internet to advertise his company's services in helping aliens in the annual green card lottery. He proceeded to post the announcement in every Usenet newsgroup he had access to. The response to this commercial use of Internet was overwhelmingly unfavorable. The system administrator of the site the lawyer was using was flooded with messages urging him to cut the lawyer's access, which he readily did. Self-regulation works.

The issue now is not whether Internet should be regulated. It is clear that regulation is antithetical to the research and Internet traditions. The issue, rather, is whether government should introduce legislation governing crimes that occur through Internet and what the philosophy of such legislation should be.

The problem of legislation is much deeper than the problem of teenagers plying pornography from the Internet. Sopiee touches briefly upon some of the problems involved with Internet, namely the problems of crackers, privacy, and authentication. A full discussion of each of these issues takes far more space than I have now.

Let us focus specifically upon the case that hits closest to home: the David A. LaMacchia '95 case. Countless letters have been written to newspapers concerning the case and many have probably already passed judgment on LaMacchia, as "un-American" as that may be. The LaMacchia case is a useful base for this discussion since it demonstrates the inadequacy of existing legislation to handle the intricacies involved with cases involving Internet.

Since regional boundaries are blurred when dealing with Internet, it is never clear whether such a case should be prosecuted at the state, federal, or international level. When information travels through Internet, it may pass through state boundaries via wire, air, or even through satellites orbiting the Earth, even when its destination is a computer down the street. Information does not discriminate by physical proximity; neither should the law in such cases. It is inappropriate to call the LaMacchia case an international conspiracy.

Mail is often an issue in such cases, as it was in the Steve Jackson case, where a bulletin board was seized and investigators read the electronic mail exchanged between users on the system. In that case, Jackson won damages under the Electronic Communications

Privacy Act because of the seizure of the mail. However, the judge did not rule for Jackson on the complaint that the agents had "intercepted" the mail when they read it. It is difficult for legislators and judges to make the mental leap to understand the analogy between electronic mail and physical mail. Most people have the same expectation of privacy when they write electronic mail to others as they do when they send a letter to a friend through the U.S. Postal Service. Both pieces of mail should be protected under the same laws.

Evidence in computer crimes is easily falsified. The techniques for falsifying electronic mail are well known and easily utilized. It is trivial for an individual to frame another through faked mail. There is very little one can do to trace the origins of a file that is found on a system. Authentication is a continuing problem on Internet. Evidence found on a computer system should never be taken at face value. The analogy between reality and cyberspace must not extend into this realm. A simple plain-text signature is simply not enough to prove authorship of a letter any more than a written name is enough to show who wrote a note; otherwise, we would have no need for signatures and handwriting analysis.

In the LaMacchia case, a piece of mail allegedly written by LaMacchia is a key part of the prosecution's evidence. But is a simple plain-text signature at the end of the file enough to prove authorship? Let us hope it does not. Digital signatures are slowly coming into use. The universal adoption of such authentication tools is years in the future.

Many people have dismissed the LaMacchia case as just another pirate bulletin board system that was "busted." However, this case does have some very serious implications for the whole of Internet. Is the operator of a bulletin board responsible for all the traffic which is going through it? Even if the operator knows what is going through the board, does he have a responsibility to put an end to it? To expect an operator to know everything that is going through a bulletin board is ridiculous. To many, it's just a hobby that they spend an hour working on every night. These people have no desire to wade through the endless sea of networked newsgroups and conferences. Such a task would be a full-time job.

To make LaMacchia responsible is to make MIT responsible for what goes on in every Usenet newsgroup. Let us assume for the moment that LaMacchia knew fully well that people were exchanging copyrighted software through his board. Note that his board was only the means of exchange. To my knowledge, there is no solid proof that LaMacchia took any personal part in the exchange. The bulletin-board operator is like a newspaper editor. The editor knows that some advertisements for escort services are just fronts for prostitution rings, yet he doesn't have to reject these ads. To make LaMacchia responsible for what others did on his bulletin board is to make the editor responsible for printing the ad.

Fundamentally, legislators must understand where the analogies between real-space and cyberspace are and are not appropriate. This requires getting the lawmakers connected to Internet so they understand what their laws will be doing. The solution is NOT regulation of Internet per se, but rather the passage of laws that recognize the electronic medium as a legitimate means of communication.

Victor Y. Tsou '97

Opinion Policy

Editorials, printed in a distinctive format, are the official opinion of *The Tech*. They are written by the editorial board, which consists of the chairman, editor in chief, managing editor, executive editor, news editors, and opinion editors.

Dissents, marked as such and printed in a distinctive format, are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

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

Letters to the editor are welcome. They must be typed, double-spaced and addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or by interdepartmental mail to Room W20-483. Electronic submissions in plain text format may be mailed to letters@the-tech.mit.edu. All submissions are due by 4 p.m. two days before the date of publication.

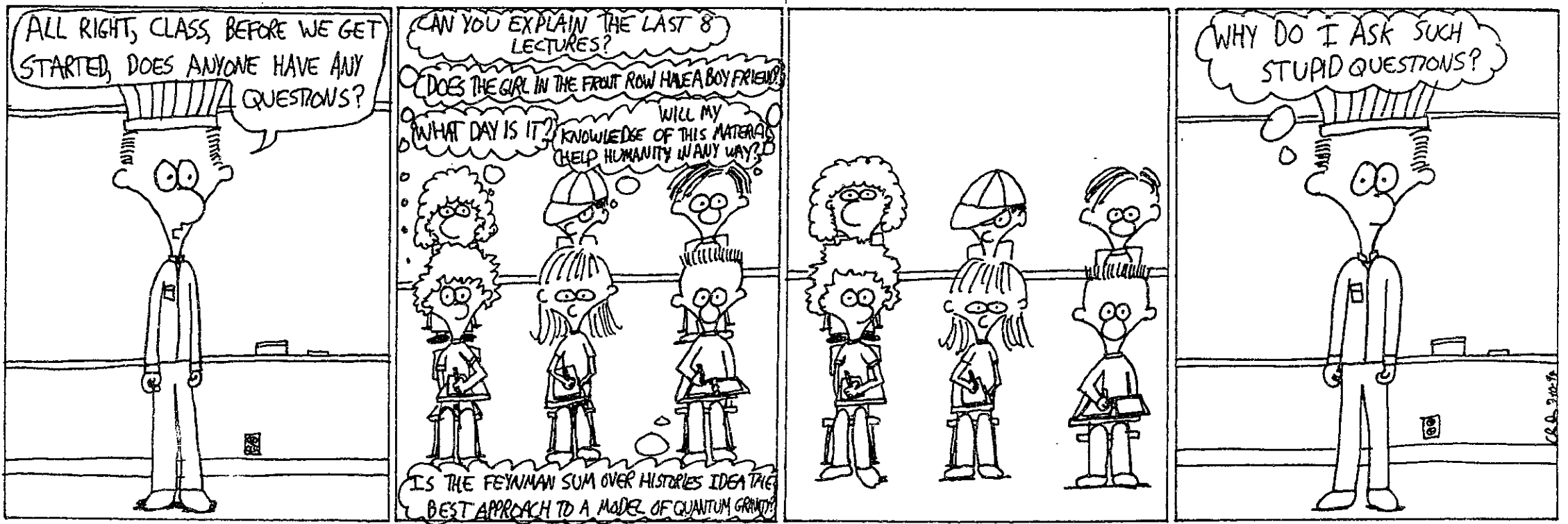
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The Tech's telephone number is (617) 253-1541. Electronic mail is the easiest way to reach any member of our staff. Mail to specific departments may be sent to the following addresses on the Internet: ads@the-tech.mit.edu, news@the-tech.mit.edu, sports@the-tech.mit.edu, arts@the-tech.mit.edu, photo@the-tech.mit.edu, circ@the-tech.mit.edu (circulation department). For other matters, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person.

Nick

by Chris Doerr



PUZZLE SOLUTIONS

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TYCOON	SEQUINED
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PUZZLE, PAGE 10

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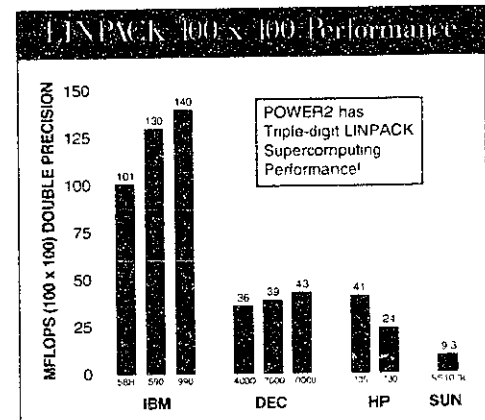
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Data Chart Source: University of Tennessee LINPACK Performance Report, Jaek J. Dongarra, Oak Ridge National Laboratory, March 1994

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GIVE SMOKING A KICK IN THE BUTT.



Institute to Lobby Against DOD Cut

DOD, from Page 1

nator Norma McGovern. "Even though we can no longer waive overhead on sponsored research — which of course this DOD money is — faculty will continue to hire students for research, but not if there are millions of dollars less of it."

Murtha wants to 'send message'

Rep. John Murtha (D-Pa.), who chairs the House subcommittee, spearheaded the move to cut the budget as an effort to "send a message" to Congress and the Pentagon to bring university research into line with other DOD spending, according to reports in the *Globe* and the journal *Science*.

According to the National Science Foundation's annual survey of research and development spending, university-based research spending has risen 22 percent over the past four years, while defense spending has dropped 15 percent. "With everything else going down, research shouldn't be going up," Murtha said.

Despite the impact the proposed cuts will have on university research funding, Murtha does not refute the merit of basic research, he told *Science*. Instead, the decision was made more in an effort to rescue defense than to punish research: in an age of military budget cutbacks, the value of university research pales before the long-term importance of defense and the military, he said.

However, in spite of his committee's target of cutting Defense Department spending by half, Murtha has said that he would not oppose efforts to restore funding when the measure comes up for final approval in Congress, the *Globe* said. While his outlook

should ease universities' efforts to block the measure's passage, it also raises questions as to Murtha's goal in pushing through such a conspicuously deep spending cut. Recent reports in the *Globe* and *Nature* suggest that the proposing such a deep cut might serve mainly as an attention-getter and as a starting point from which to work toward a more conservative cutback. Murtha remains confident that a compromise can be struck: "Now that we've got their attention," he said in *Science*, "I think we can make some progress on the issue."

MIT engages lobbying effort

Whatever the motive, the passage of the measure in the House subcommittee has gotten the full attention of area universities. Murtha's statement coincides with the launching of a massive lobbying campaign by MIT and other universities in Massachusetts and elsewhere to prevent the subcommittee's decision from passing in the Senate next month.

In a news briefing sent out last week, the Office of Government and Community Affairs called upon the MIT community to urge their Congressmen to prevent the proposed cuts from becoming final.

"Inform your colleagues and ask for their help in opposing these cuts," the briefing said. "Time is of the essence... Efforts are underway to persuade the Subcommittee on Defense of the Senate Committee on Appropriations," chaired by Sen. Daniel K. Inouye (D-Hawaii), "to restore the funding," it said. The briefing further recommended that individual and group efforts should be geared toward petitioning Inouye and Sen. Ted Stevens (R-Alaska) to fully restore the threatened funding.

Changes Promote Accessibility

ADA, from Page 1

ing and facility improvements represent a historically significant effort. Ward said. "Each individual element is not large, but when you put them all together the impact on accessibility from where I'm sitting seems to be quite significant."

For the summer, "there's probably a million dollars worth of work that's happening," Ward said. Of this amount, \$600,000 will be in the "main group" of buildings alone, which generally includes Buildings 1 to 14, Ward said, with other work scattered around the campus.

Work in the main buildings includes a new ramp at Building 14, eight new elevator cabs, entrance modifications, and telephone booth and bathroom modifications. "There is an enormous range" of projects regarding disabilities access, Ward said.

The summer spending is part of slightly more than \$1.33 million already committed to construction projects since the ADA went into effect, Ward said. In total, "MIT has allocated a little over \$2 million," Ward said, with the remaining funds yet to be committed to specific projects.

While the work on disabilities services is not nearly as large as the Cogeneration Plant or the construction of the new biology building, in regards to improving disabilities services "it's a fairly significant venture," Ward said.

"Other institutions aren't quite as aggressive or generous as MIT is in their efforts regarding disabilities services," Ward said. "We've spent a lot of time and energy both in dollars and in manpower making an effort to do this intelligently and in a way that's going to make our response to it the most appropriate for intelligently and rationally providing access."

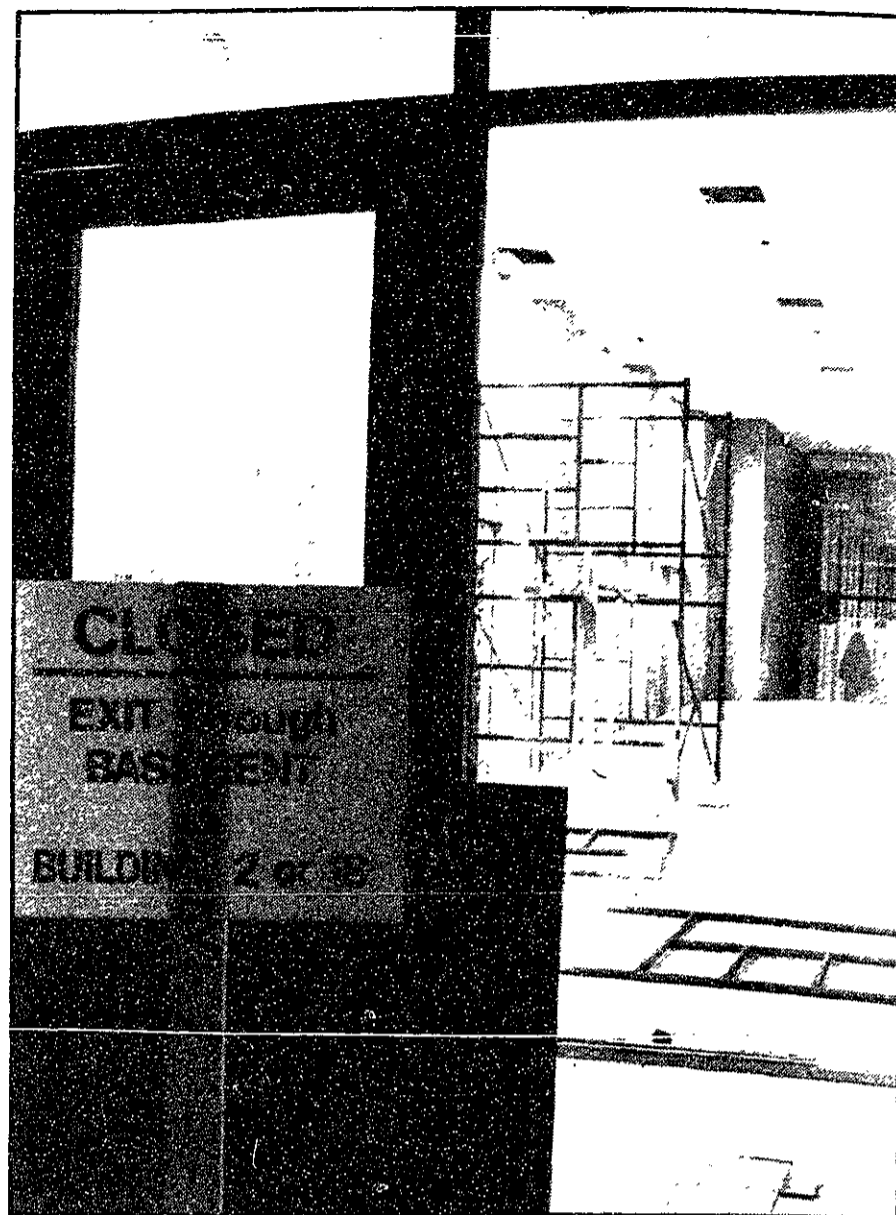
No current disabilities coordinator

While no one person is currently coordinating disabilities services, people working on disabilities issues will use the *ad hoc* committee to "meet to update each other on what's going on and to make sure we're following a coordinated effort," Owu said.

Since Tsao's letter there has been confusion over who is serving as the Institute's disabilities services coordinator.

Squillante initially said he believed that Owu was the "Section 504 coordinator," as the federally mandated position is called. When asked, however, Owu said that the late Vice President Constantine B. Simonides '57 held the position. Squillante later said that Immerman believed Simonides was the coordinator.

In her March letter Tsao, who was informed that Owu was the Section 504 coordinator, said that



SHARON N. YOUNG PONG—THE TECH

The passageway between Building 14 and Building 2 nears completion for next semester.

Owu had "a rather low profile (close to nonexistent) on campus." The Institute "has not pursued the spirit and intent of having this position," Tsao said.

The focus of the *ad hoc* group will be more operational in nature, as opposed to a permanent policy group, Squillante said. "Steve had thought about doing this for a while and it was just a matter of timing," he said.

Personnel involved with improving disabilities services are currently "taking a fresh look at it to see where we are and preparing for another intense period of activity," Owu said.

The *ad hoc* committee will be "regrouping and seeing where we are and seeing what's going to be involved to keep the process moving," Owu said. "There are various levels of things that are continuing to be done over time."

Barrier removal

Another major disabilities services-related project Immerman is involved with is "working with Michael Owu designing a barrier removal program for the entire campus," Squillante said.

The barrier removal program is "sort of an ongoing process where we try to identify barriers [to disabled individuals] on the campus

and develop a system of removing those barriers over time," Owu said.

Barriers in the context of disability services are defined as "things that impede the free movement of people with disabilities," Owu said. One common example is a flight of stairs as an access barrier for someone in a wheelchair. The barrier removal program in this instance could involve construction of a ramp.

However, barrier removal includes both physical construction and signs indicating where an accessible entrance is, Owu said.

"MIT has been removing barriers for 15 or 20 years," Owu said.

In addition, part of the effort to provide increased disabilities services involves a publicity and education campaign, Owu said. "If people don't know how to relate to people with disabilities, that in itself can be a major problem for them," he said.

The *ad hoc* committee will be working to "step up getting the word out as to what exactly disabilities are," Owu said. The group will work with the MIT News Office and the computing support services lab, according to Owu.

The ultimate format of publicity and education could include pamphlets, publications, or presentations, Owu said.

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The Jack C. Tang Center for Management Education is currently being constructed in front of Building E51.



Cambridge Fire Department fire engines arrive at the Student Center in response to a fire call last night.

MICHAEL K. CHUNG—THE TECH

Bike Lanes Part of Bigger Plan

Bike, from Page 1

has dealt only with the removal of parking spaces and ... has not yet addressed the question of pedestrian safety; potential conflicts between the bus stop and the cycleway; signage, clarity, and instruction for bicyclists; and other ways of making it clear where various people have rights of way," Simha said.

The elimination of parking spaces is also a problem because the Institute does not provide any visitor parking in lots, as consistent with a city ordinance, Simha said. Many people use the spaces for short-term parking, he said.

Part of a larger project

This plan is part of the larger Lafayette Square/Massachusetts Avenue reconstruction project, said Cara B. Seiderman, project manager of the Cambridge Environmental Program. Though the parking spaces along the Student Center side of the street will be replaced with a southbound bike lane, the spaces on the other side of the street will remain, with the northbound bike lane being placed between the travel lane and the parking spaces.

Along with the bicycle lanes, there will be new street lighting and improvements to the drainage system, roadway, and landscape, according to the project description. Construction is not scheduled to begin until 1996.

"In any planning for [Massachusetts Avenue], one of the more important considerations is the development of safety for pedestrians," Simha said. He said he asked the city to consider extending the sidewalk, which would make it easier and safer for students to cross at busy intersections.

Simha said that the city has not stated whether this bikeway would be part of a master plan. "Should the city introduce a bikeway which is only partially implemented," he said.

Moreover, the Planning Office did a survey of cyclists on campus, and the results show that some choose not to bike because "they fear for their lives" on Massachusetts Avenue and prefer quieter streets where they "don't have to compete with fast-moving vehicles," Simha said. If we are going to encourage people to cycle to MIT, we want the route to be as safe as possible, Simha said.

However, Seiderman said that studies around the country show that the introduction of bike lanes increases the number of cyclists, even on streets with heavy traffic. Also, "bicyclists generally want to have the most direct route," she said.

The city is seeking the "safest and best design for all users of the roadway," Seiderman said.

Seiderman said that the loss of parking spaces seems to be a "primary concern" for MIT. She said that through a replacement parking program, spaces could be made along side streets. Still, there is a parking freeze in Cambridge, meaning that the total number of spaces cannot be increased, she said.

"The city has a commitment to make improvements in this area," Seiderman said. In addition, under the Vehicle Trip Reduction Ordinance which was passed two years ago, the city has to promote other forms of transportation. This bikeway would encourage some commuters to cycle rather than drive, she said.

Seiderman did say that the project planners would like to go over

design details of the crosswalk at 77 Massachusetts Ave. with MIT officials.

"We hope we can find some happy resolution with the city and the people proposing this plan," Simha said.

Simha added that the Institute has a commitment to create a bikeway along Vassar Street as soon as funds are available. This commitment was part of the deal where MIT promised to give a rehabilitation shelter a permanent building on MIT property in exchange for city streets, including Vassar, around campus.

Stratton Remembered As Scientist, Educator

Stratton, from Page 1

tronics. In 1941 he published "Electromagnetic Theory," a scientific classic regarded as an authoritative text. He was also the author of many articles and technical papers, as well as the co-author of several books.

In the 1940s, Stratton worked on radar development at the newly created Radiation Laboratory, and in 1942 he went to Washington, D.C. as an expert consultant. He was active in improving the use of radar for the war effort by organizing technical advisory committees to the Air Force on programs of ground radar, radar fire control, and radar bombing. In 1946 he was awarded the Medal for Merit for his services.

As an administrator, Stratton had a great impact on MIT's directive and expansion. Through his efforts, the School of Humanities and Social Sciences was created in 1950. With his experience as director of the Research Laboratory of Electronics, which started out as the Radiation Laboratory, he set the standard for the organization of interdisciplinary programs at MIT and elsewhere.

Stratton became MIT's first provost in 1949 and was also made a vice president in 1951. He was named chancellor in 1956 and became acting president in 1957 when then-President James R. Killian Jr. was appointed special assistant to President Dwight D. Eisenhower for science and technology. In January 1959, Stratton became president. He retired in 1966 and was elected a life member of the MIT Corporation. He was a life-member emeritus at the time of his death.

After a tenure as Chairman of the Board of Trustees of the Ford Foundation from 1966 to 1971, he returned to Cambridge to work on a history of MIT.

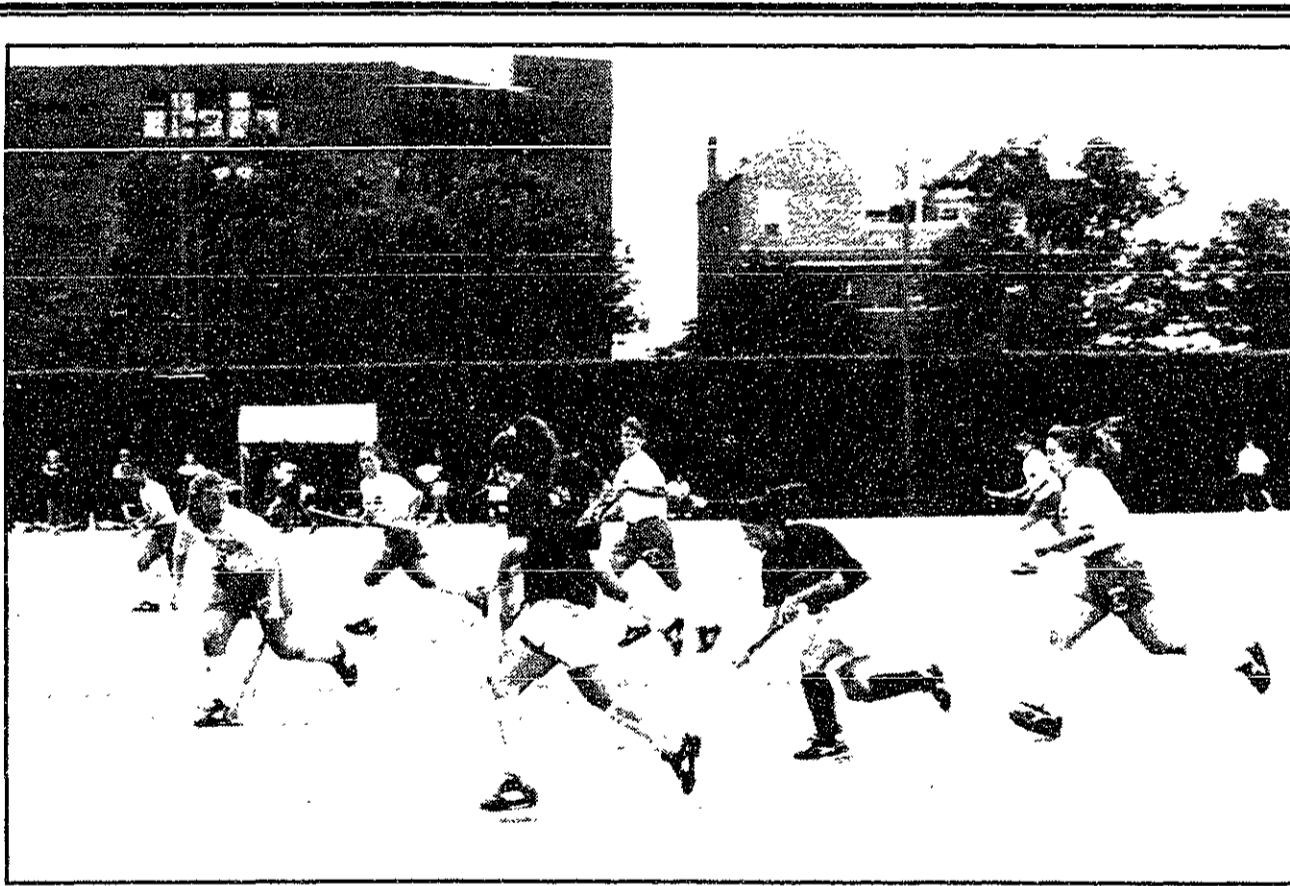
Recipient of many awards

Stratton served as vice president of the National Academy of Sciences from 1961 to 1965. In addition, he was a member of the American Philosophical Society and the Council on Foreign Relations; a Fellow of the American Academy of Arts and Sciences, the American Physical Society, and the American Association for the Advancement of Science; a life Fellow of the Institute of Electrical and Electronics Engineers; a member of Sigma Xi, Tau Beta Pi, and an eminent member of Eta Kappa Nu.

He was a Life Trustee and Member of the Corporation of the Boston Museum of Science and member emeritus of the Draper Laboratory.

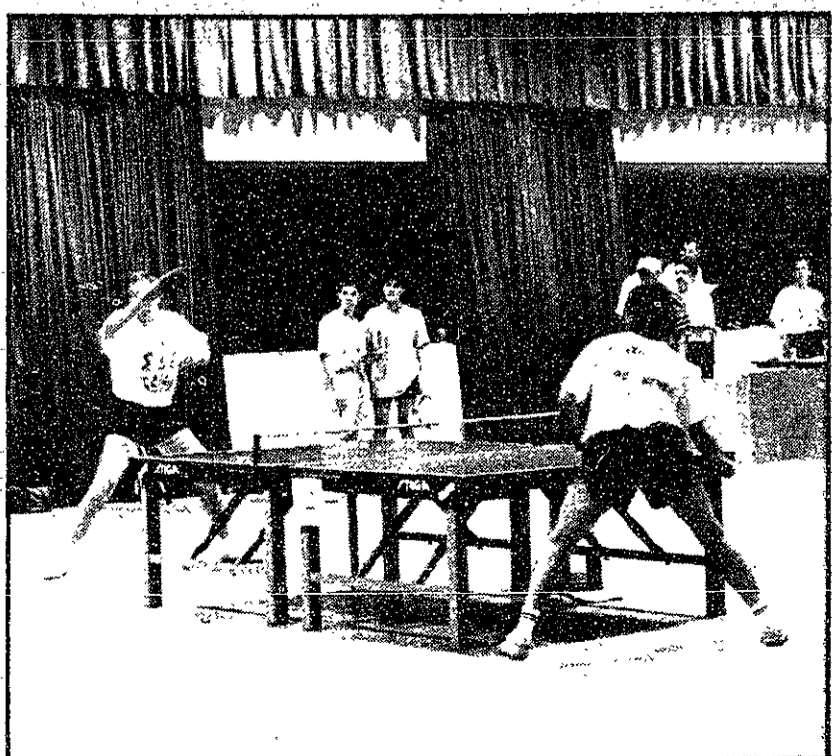
He received the Distinguished Public Service Award of the U.S. Navy, the Medal of Honor of the Institute of Radio Engineers, the Faraday Medal of the British Institution of Electrical Engineers, and the Boston Medal for Distinguished Achievement. He held 17 honorary degrees from universities in the United States, Great Britain, and Canada.

Stratton is survived by his wife, Catherine N. (Coffman) Stratton, three daughters, Catherine Nelson Stratton of London, Mrs. Lew (Cary) F. Boyd of Newbury, Mass., and Mrs. Laura Thoresby of London; and a granddaughter, Caroline Stratton Boyd.



A scholastic field hockey competition takes place in the Bay State Games, which were held at

MICHAEL K. CHUNG—THE TECH



MICHAEL K. CHUNG—THE TECH

Men's singles players compete at the Bay State Games Table Tennis tournament, which took place in the Johnson Athletic Center last weekend.



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THE ARTS

True Lies spoils great action with bad story**TRUE LIES**

Directed by James Cameron.
Written by James Cameron.
Starring Arnold Schwarzenegger,
Jamie Lee Curtis, Tom Arnold, Bill Paxton,
Art Malik, and Tia Carrere.
Loews Cheri.

By Scott Deskin

ASSOCIATE ARTS EDITOR

The new Arnold Schwarzenegger action film *True Lies* is a true test of his recently-challenged clout at the box office. After last year's *Last Action Hero*, which sank like a lead balloon after inflated expectations, everyone wants Schwarzenegger to bounce back with a resounding success. Schwarzenegger senses

this too, which is probably why he chose James Cameron (of *The Terminator* and *T2* fame) to get him back on track. As such, *True Lies* offers its audience a dazzling array of action, lowbrow farce, and awe-inspiring special effects. The problem with this film is that the underlying story is too weak to match the intensity of the film's action sequences and effects.

The film's title is a reminder of the several role reversals in the story, a warning that everything is not as it appears to be at first glance. Harry Tasker (Schwarzenegger) is a top-secret superspy for the Omega Sector, the "Last Line of Defense" in the realm of international security; Harry concentrates his efforts on foiling acts of nuclear terrorism. But, to his unsuspecting wife Helen (Jamie

Lee Curtis), Harry's just a boring computer salesman who seeks nothing more in life than his career and some domestic complacency. Neither seems to realize that they are imperfect halves of a whole, passive participants in a dead-end marriage. Helen yearns to break out of her timid shell as a secretary-housewife, and Harry just wants to be a good husband.

Sparks start to fly when Harry discovers that his wife may be having an affair. Simon (Bill Paxton) convinces Helen, through a series of "chance" encounters, that he is a spy and needs her assistance to help him complete his mission. With a slimy air of confidence, he seduces Helen into joining his fantasy world, just because it offers her a chance to escape from the boredom of her everyday life. Harry

doesn't act so sympathetically to this imminent marital fling (especially after learning that Simon is taking credit for his exploits), so he intervenes and gives Helen a real adventure working for the agency — all just to add a little spice to the marriage.

The plot becomes increasingly ludicrous and complex: What more could one expect from an American film that has to outdistance the French film on which it was based (*La Totale*)? The story centers around Harry's battle of wits with an extremist terrorist faction and its leader Aziz (Art Malik), who proves as fearless of driving a motorcycle off a high-rise hotel onto an adjacent rooftop as when he is holding most of Florida hostage with a nuclear warhead. Harry's exploits with a beautiful art dealer named Juno (Tia Carrere) provide a momentary romantic diversion from Harry's mission, but she's just window dressing in an otherwise underdeveloped script.

Many of the action scenes are coated with tongue-in-cheek humor, but much of it is laid on too thick to be charming. In the best line in the movie, which continues Schwarzenegger's kinder-and-gentler image for the 1990s, Harry tells Helen that he has really killed people in his line of work: "Yeah; but they were all bad." On top of this, the audience is expected to believe that Harry Tasker's image identification with James Bond in the film's opening sequence does not imply that he isn't faithful to his loving wife: a better question from Helen would have been, "Have you ever cheated on me?" but the filmmakers chose to ignore that option.

These considerations aside, *True Lies* is everything one could want in a summer blockbuster. The cast seems comfortable with the outrageous demands of the plot, and Tom Arnold is a pleasant surprise as Tasker's sidekick and friend at the agency. The special effects in the film are first-rate. Whereas Cameron's *Terminator 2: Judgment Day* focused on morphing effects for its biggest thrills, the thrill to be found in Cameron's latest effort is the seamlessness of the final product — one (or at least one's eyes) has a hard time doubting a Harrier jet hovering over the streets of Miami or one of the bridges in the Florida Keys getting blown to pieces by some heat-seeking missiles. For sheer visual impact, *True Lies* is a non-stop thrill ride, once it is set in motion.

In short, *True Lies* provokes and is typified by mixed feelings. It is equal parts French farce and American action picture, but it never really feels like a natural mix. Admittedly, most of the film's characters and situations never progress beyond the comic-book level, so it's hard to compare its comic levity with the apocalyptic vision of the *Terminator* films. So, *True Lies* is an entertaining and humorous display of effects and storytelling. It's too bad the story is little more than dumb fun.



Arnold Schwarzenegger is Harry Tasker and Jamie Lee Curtis is his wife Helen in the new action comedy, *True Lies*.

doesn't act so sympathetically to this imminent marital fling (especially after learning that Simon is taking credit for his exploits), so he intervenes and gives Helen a real adventure working for the agency — all just to add a little spice to the marriage.

The plot becomes increasingly ludicrous and complex: What more could one expect from an American film that has to outdistance the French film on which it was based (*La Totale*)? The story centers around Harry's battle of wits with an extremist terrorist faction and its leader Aziz (Art Malik), who proves as fearless of driving a motorcycle off a high-rise hotel onto an adjacent rooftop as when he is holding most of Florida hostage with a

Mellencamp mixes old and new on latest release**DANCE NAKED**

John Mellencamp.
Mercury Records.

By Scott Deskin

ASSOCIATE ARTS EDITOR

John Mellencamp is probably one of the hardest-working pop-rock singers alive today. His new album, *Dance Naked*, is hardly a revelation: It's a collection of nine simple, straight-ahead tunes that hearken back to his "John Cougar" period of the early 1980s. This album comes out less than a year after his previous release, *Human Wheels*, which was hailed at the time as a simultaneous reclaiming of roots and a maturing of sentiment. If it lacked the scope and melodic finesse of such albums as his *Scarecrow* (1985) and *The Lonesome Jubilee* (1987), it forged a more honest, relaxed path that Mellencamp continues on his latest album.

Although he hasn't been blessed with a number-one single since "Paper in Fire," John Mellencamp still possesses a knack for old-fashioned rock 'n' roll. Mellencamp isn't afraid to explore the harsher sides of American society in his music, but he isn't going to shy away from its small victories and pleasures. Like the naked body entwined with barbed wire on the album's cover, *Dance Naked* likes to juxtapose joy with sorrow and

triumph with tragedy in its lyrics. He recorded and mixed the entire album in two weeks at a recording studio, presumably to get a feel for the material and perform in a pared-down fashion for a natural sound.

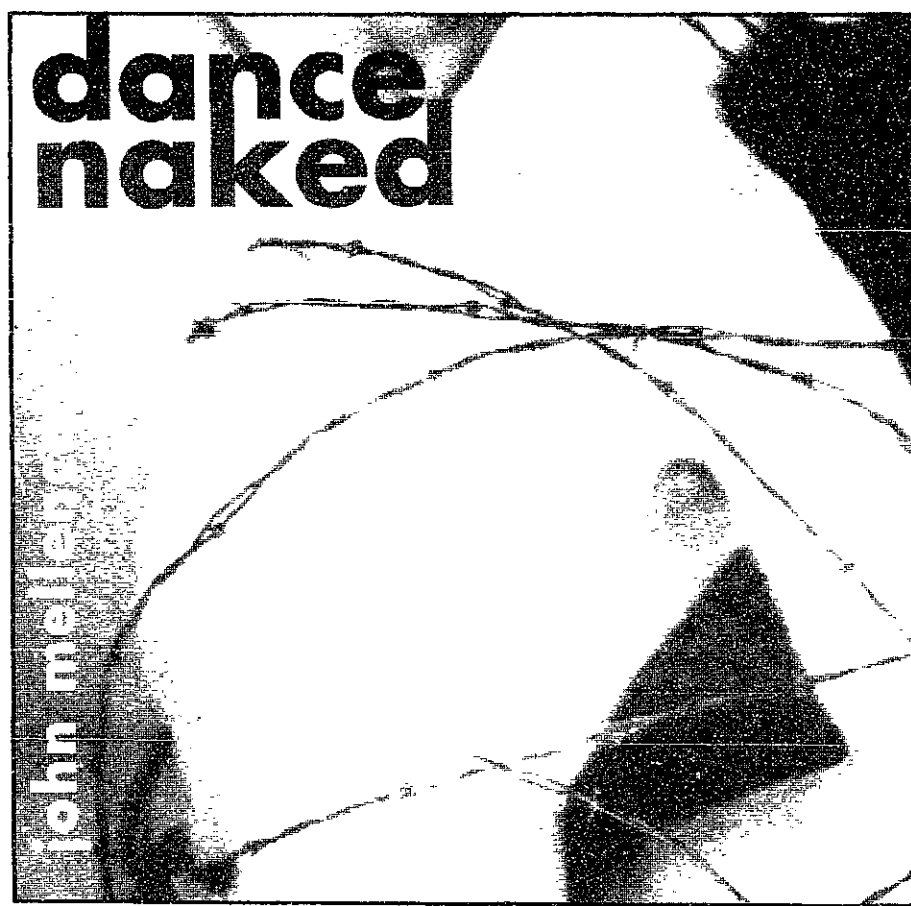
The title track leads off the album, and although the tune sounds like a throwaway, the lyrics help to set the mood for the rest of the album: "I want you to dance naked/So I can see you/I'd like to get to know you/You don't have to act naughty." So much for the slow, gentle approach. Other songs offer family portraits ("Brothers"), global awareness ("Another Sunny Day 12/25"), and self-awareness ("The Breakout"). The simple evocative morals of the lyrics complement the simple arrangements of guitars and drums in songs like "Too Much to Think About," which — as Mellencamp himself has stated — hasn't been apparent on his albums since the single "Hurts So Good" in 1982.

Most likely, the biggest song on the album (i.e., most likely to get radio airplay) is his cover of Van Morrison's "Wild Night," which he shares as a duet with newcomer Me'Shell NdegéOcello. This is a sparer, tighter version than Morrison's version (note the missing horns and the wailing guitars), which doesn't better its source material but adds some funk and jubilation about midway

through the album. The next song, "L.U.V.," is a protest song that is miles from Bob Dylan's "Subterranean Home-sick Blues," but nevertheless provides a little social commentary about middle America.

Dance Naked is not a tour-de-force for Mellencamp. As stated above, the songs come out fast and relatively laid-back, and they don't quite carry enough intensity to sway the listener to try and sing along. But the music is good enough to get its audience moving around to its emotional beat. *Dance Naked* shows that John Mel-

lencamp is still alive and kicking, a vital force to be reckoned with into the next century.

**Blown Away is a bomb, despite the Boston setting****BLOWN AWAY**

Directed by Stephen Hopkins.
Written by Joe Batteer and John Rice.
Starring Jeff Bridges, Tommy Lee Jones,
Lloyd Bridges, Forest Whitaker,
and Suzy Amis.
Loews Cheri.

By Evelyn Kao

When MIT is mentioned in a movie amidst the words "bomb" and "explosion," one has to wonder: What could be better than a film in which MIT is blown to bits?

Unfortunately, MIT remains intact, and

Blown Away is almost a complete disappointment. The film starts off with the head of the Boston Bomb Squad, James Dove (Jeff Bridges) being called to MIT to defuse a bomb in the computer lab. The "computer lab" turns out to be a classroom with many desks and a single PC. The situation can't help but be more amusing than it is scary.

The premise is pretty straightforward: Dove spends the length of the movie trying to catch bad guy Gaerity (Tommy Lee Jones), an escaped prisoner who can make "bombs from Bisquick." Complicating things is the fact that Gaerity holds a long-time grudge against Dove and is out to exact revenge by killing Dove's family, friends, and coworkers. The

movie attempts to integrate Boston into the story by using Irish characters, but the Irish element falls flat, and the movie, with its narrow focus, does not find the city. References to Irish culture eventually only seem to be flimsy attempts at believable excuses for the explosions to take place in Boston.

Stephen Hopkins, director of such masterpieces as *Nightmare on Elm Street 5* and *Predator II*, is unable to make his movie credible. This dearth of substance causes the first hour to drag. Tommy Lee Jones is a disappointment as Gaerity, not living up to his performance in *The Fugitive*. And when Gaerity begins to sing along with U2 one feels embarrassed to see Jones debase himself in such a

way. Though it is interesting to watch the interaction between father and son, in Lloyd and Jeff Bridges, the acting is otherwise unremarkable.

The actual explosions save the film from being a total bomb. The frustrations with the characters occasionally find release in their fiery mutilation and destruction. And these tense scenes make the heart beat faster. The recognizable shots of Boston also make the film more interesting. However, these are not enough to compensate for a weak story and flimsy characters, and they don't make this a film worth watching.

Kiss tribute album includes some standout tracks

KISS MY ASS: CLASSIC KISS REGROOVED.

Various Artists.
Mercury Records.

By Scott Deskin
ASSOCIATE ARTS EDITOR

Many groups came and went with the 1970s. They range from the relatively minor, like Foghat, to major ones that burned out on their own intensity, like the Sex Pistols. Kiss lies somewhere in the middle ground of this generalization, but their popular influence is probably more far-reaching than their actual artistic accomplishment. However, between 1973 and 1977, Kiss was one of the premier glam metal bands in the world. Not surprisingly, the new Kiss tribute album, entitled *Kiss My Ass*, focuses on this fruitful period in their history. The bands who perform on the album all acknowledge an artistic debt to Kiss (in varying degrees), and each artist puts a particular spin on the song that they cover.

The song that leads off the album is "Deuce," performed by Lenny Kravitz. He layers his vocals over a wide groove that moves quite nicely, tied together after each refrain by a guest harmonica overdub by Stevie Wonder. The next song, Garth Brooks' version of "Hard Luck Woman," is a surprisingly heartfelt effort that gains strength from country-pop star Brooks' assured lead. Other standouts include forceful versions of "Plaster Caster" and "Detroit Rock City" by two local favorites, the Lemonheads and the Mighty Mighty Bosstones. Both of those songs rock

as close to the original versions as anything else on the album. But the track that closes the album should come as a sonic surprise: Yoshiaki joins with the American Symphony Orchestra for a classical version of Paul Stanley's "Black Diamond," which suggests some alternate facets to the band's personality.

There are a few downers on the album, though. The Gin Blossoms' version of "Christine Sixteen" is serviceable, but the vocals are too anonymously sweet to convey any feelings of lust in the singer. Even worse is Toad the Wet Sprocket's incredibly lame country version of "Rock and Roll All Nite," which compromises the touchstone of Kiss's repertoire for an unfeeling, emotionless rendition by a band whose musical convictions lie in drawn-out chords and a lead singer's ability to whine. On the other side of the spectrum, a rendition of "Calling Dr. Love" by Shandi's Addiction (made up of members from Rage Against the Machine, Tool, and Jane's Addiction) is a little too emotionally grating to be enjoyable.

Like the Jimi Hendrix tribute album *Stone Free*, *Kiss My Ass* is a conditional

success. As long as the bands stick primarily to arrangements in the same hard-rock mold as the original Kiss, the songs sound surprisingly fresh. So, for diehard fans of the band (in their original '70s incarnation), this album is not bad for recycling old songs for profit, as well as providing the new Kiss with some publicity for an upcoming album.

Another item of note: The liner notes for

the CD offer the owner a view of several Kiss fans' tattoos in a collage form that conspicuously obscures original member Ace Frehley's face. Maybe Gene Simmons and Paul Stanley, who are still with the band today, are a little too vain to be taken seriously anymore. The Kiss name may still be attached to a band in 1994; but, as they say, the '70s are over.



KISS members Paul Stanley, Gene Simmons, Eric Singer, Bruce Kulick

ON THE SCREEN

— BY THE TECH ARTS STAFF —

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

★★★ **Backbeat**

As a gratuitous entry for the 30th anniversary of the Beatles' arrival in the United States, this film may seem a little shallow at first. However, director Iain Softley offers a different perspective on the group's history, at a time when the lads from Liverpool were struggling for recognition in sleazy Hamburg nightclubs. The story focuses on the friendship between art school mates John Lennon (Ian Hart) and the original "fifth Beatle," bassist Stu Sutcliffe (Stephen Dorff), and uses it as a vehicle to explore Sutcliffe as a tortured artist, as well as his burgeoning relationship with German existential photographer Astrid Kirchherr (Sheryl Lee). It's not the conventional Beatles biopic that you'd expect, as it casts the other group members in the shadows. This may prove especially distressing for some Beatles fans, but Ian Hart's uncanny emulation of Lennon's acerbic wit is the film's saving grace. Of course, there's music,

and the re-recorded R&B gems provide an infusion of popular flair. —Scott Deskin. *Brattle Theatre, Wednesday, Aug. 17.*

★★★ **Fatal Attraction**

The first of Glenn Close's famous psycho films, this one is a constant thrill. It begins innocently enough, but quickly slides into a terrifying swirl of insanity and deception. As the adulterous suburban husband, Michael Douglas's motivations are ill-defined, but he recognizes that as well as we do and credibly portrays a man trying not so much to make himself understandable as to make amends for his erratic and treacherous behavior. And the best part is: just when you think things couldn't get any worse, the supremely wicked Close comes up with an even more terrifying act to stand your hair on end. — Ann Ames. *LSC, Friday, July 22.*

★★★★ **The Lion King**

Disney's newest animated feature is amazing. The story — a lion cub runs away, fearing that he is responsible for his father's death — is simple enough for children to understand, yet still entertaining for adults. The ani-

mation is first-rate, including both computer and traditional hand-drawn graphics mixed to perfection. And, in the tradition of *Aladdin*, *Beauty & the Beast* and *The Little Mermaid*, the music is superb. Finally, the characters of *The Lion King* are some of the most memorable of all the recent Disney creatures. All-in-all this is one of the best Disney films. — Patrick Mahoney. *Loews Copley Place.*

★★★ **Speed**

Keanu Reeves stars as Los Angeles SWAT team member Jack Traven, who effectively becomes a hero when he incurs the wrath of Howard Payne (Dennis Hopper), a mad bomber who seeks to extort money from the city. As with every great action vehicle, there has to be a gimmick: Payne has wired a transit bus with explosives that become armed when the bus exceeds 50 miles per hour, and will detonate if the bus dips below that speed. After that, it's up to Jack, along with a perky damsel on the bus (Sandra Bullock) and Jack's expendable partner Harry (Jeff Daniels), to save the day. If all this sounds rather corny, rest assured that director Jan DeBont (former cinematographer who shot

Die Hard) knows his action pictures well, and keeps *Speed* going at a frenetic pace. The dialogue is patchy and the characters are pretty simplistic, but the real drama is carried by the thrilling stuntwork and explosions. Plus, the *New Yorker* called *Speed* the "movie of the year." What more could anyone ask of a no-brainer action film? — SD. *Loews Cheri.*

★★★★ **32 Short Films About Glenn Gould**

This film really is what the title says: a series of 32 films, ranging in length from 45 seconds to between 10 and 15 minutes. A brilliant pianist, the eccentric Gould was known for his insightful interpretations of J.S. Bach's work, and this film is full of Bach-like preludes and fugues, some subtle and some bold, but all fascinating. Styles vary as much as length; there are dramatized scenes from Gould's life, interviews with friends and relatives, and avant-garde selections that explore Gould's music in the cinematic art form. Some of these experimental pieces seem aimless, but the joy of sitting in a darkened theater listening to Gould playing Bach or Hindemith is more than enough to sustain these few moments of visual emptiness. This is as thorough an outline of a man's life as can be presented in two hours, and it is cleverly disguised as total fiction. At the end of the film, you will be surprised to find that in addition to having had a wonderful time, you have learned something. — AA. *Brattle Theatre, Wednesday, July 20.*

★★ **Wolf**

The choice to cast Jack Nicholson as a werewolf in this film seems like a reasonable idea. He plays Will Randall, an emotionally restrained editor at a publishing house whose career and marriage are being sabotaged by external forces. Only after he receives a bite from a wolf on a dark New England road does he begin to externalize his animal instincts and take control of his life. He becomes attracted to the company owner's daughter (Michelle Pfeiffer) after learning about the infidelities of his wife (Kate Nelligan) with a power-hungry colleague (James Spader). This material is promising, but in the hands of director Mike Nichols, one can't be sure how to interpret this modern horror fable — as a drama of emotional crises or as light satire. Nichols accomplishes neither. Nicholson is also partly to blame: his outlandish screen persona in previous films tends to negate his portrayal of an emotionally restrained character who gets turned loose. The climactic action sequences nearly qualify as camp humor, sowing further confusion for the audience. Spader has the most to work with in his character, but he can't save this misguided attempt at modern horror. — SD. *Loews Cheri.*



Dan Gallagher (Michael Douglas) is disturbed to discover Alex Forrest (Glenn Close, left) visiting his wife, Beth (Anne Archer) in *Fatal Attraction*.

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Weekend child care provider for MIT faculty family on an occasional basis during the summer, extendable to the fall. Travel with us to Vermont and care for our son for about 12 hours over the weekend. Compensation negotiable. Call Ed Crawley at 3-7510 or crawley@mit.edu.

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Travel Abroad and Work. Make up to \$2000 - \$4000+/mo. teaching basic conversational English in Japan, Taiwan or S. Korea. No teaching background in Asian languages required. For information call: (206) 632-1146 ext.J5033.

Positions Wanted

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Director of a transgenic mice facility: The facility is equipped with the newest technology, located in the new Biomedical Research Building. Experience with microinjections and preferably also with embryonic stem cells is required. A very competitive salary, excellent opportunities for promotion and academic interactions are available. Please send a CV to Dr. Katya Ravid, Biochemistry K225, Boston University School of Medicine, 80 East Concord St., Boston, MA 02118.

Research Assistant Needed to work on a project involving adaptive technology; more specifically, a computing environment for the physically, sight and/or hearing impaired. For more information contact Steve Sherman of Adaptive Technology Research and Associates at (617) 846-3733.

Inventors/Entrepreneurs A leading global industrial/construction fastener & tool manufacturer is seeking new products/ideas for investment, acquisition, licensing, or joint ventures. Submissions should be within the scope of industrial/construction fasteners, tools, and accessories. Interested parties must be willing to sign standard disclosure agreements. Direct inquiries to: Charlie Beacham, P.O. Box 44100, Newtown, OH 45244.

For Sale

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.

Two Eagles Tickets. In exchange for round-trip transportation to Eagles concert at Great Woods on August 5th, you receive two tickets for the Sunday performance for \$20 each (valued at \$45.50 each). Terms are negotiable. Call Terry 730-8458.

1981 Honda Accord Hatchback: Very good engine, 30 mpg, minimal rust (it used to live in Fla.), high mileage. New brakes and tires, recent electrical re-wiring and transmission work. \$575. Call Kara at 321-4336.

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Apartment Wanted. Low Rent/No Rent Studio/One Bedroom Apartment wanted in the Brookline/Harvard/MIT/Boston area in exchange for housesitting, errands, etc. I need private kitchen, bath, and entrance. Excellent references. Call Terry 730-8458.

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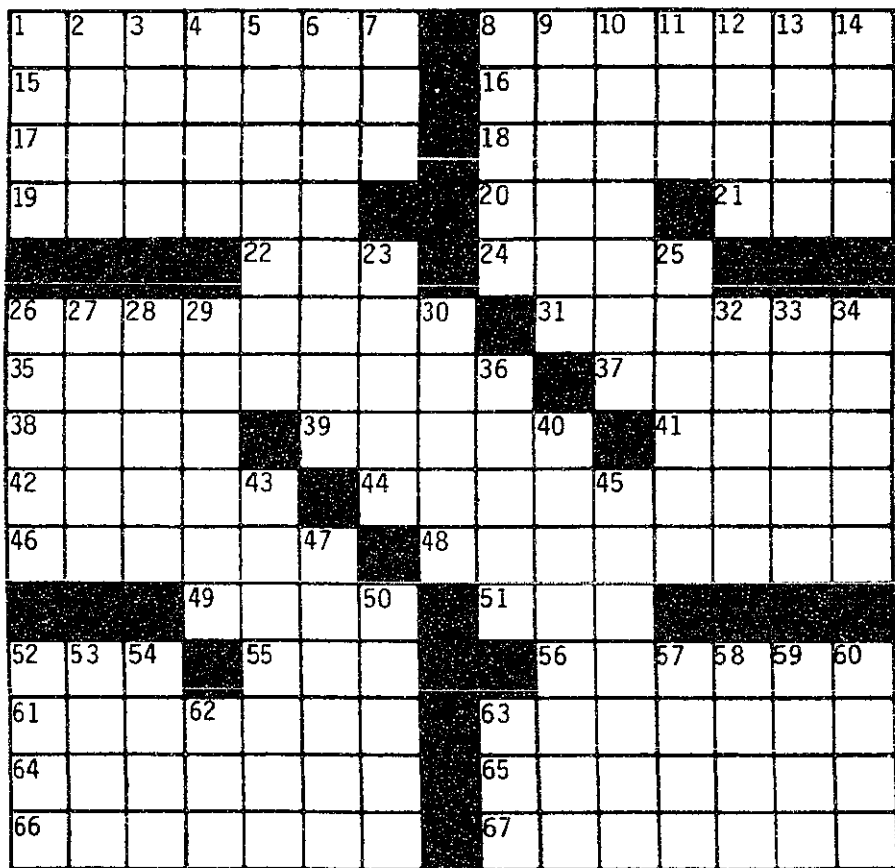
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Miscellaneous

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 225-7599 or send e-mail to lissa@mit.edu.

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 lissa@psyche.mit.edu for a questionnaire and details.



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ACROSS

- 1 Book covers
- 8 Western hemisphere country
- 15 Chilean seaport
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- 17 Promote the development of
- 18 Wolfgang Mozart
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- 39 Cut
- 41 Actress Grey, et al.
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- 48 Like Liberace's clothing

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- 63 Daughter of Minos and Pasiphae
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- 13 Scandinavian king (var.)
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- 29 "Things — what they seem"
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- 40 Like some courses
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- 52 Killer whale
- 53 Line of stitching
- 54 Eye layer
- 57 Prefix: nose
- 58 Miss Adams
- 59 Baseball hall-of-famer Slaughter
- 60 Fender imperfection
- 62 Suffix for count
- 63 Mighty Joe Young, for one

DOWN

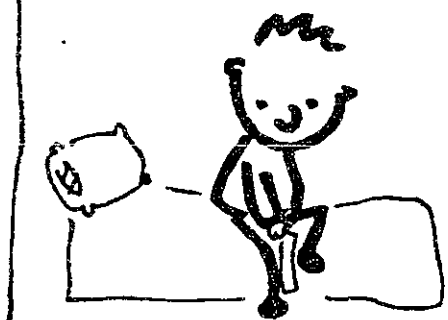
- 1 Islamic spirit
- 2 Beginning for lung
- 3 Mr. Gowdy
- 4 — and kin
- 5 Unchanging
- 6 Attendances
- 7 Meet a poker bet
- 8 Let out (displayed shock)
- 9 Oedipal symptom
- 10 Tax
- 11 Roulette color
- 12 Angers

SOLUTIONS PAGE 5

Jim's Journal

By Jim

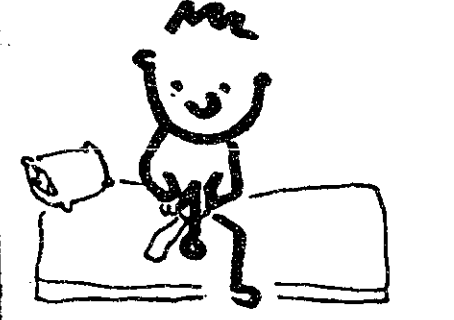
Today when I got out of bed the floor was kind of cold, so I put some socks on.



Afterwards, I thought the sock felt odd, like it was on the wrong foot.



I took it off and put it on my other foot and it felt fine.



I wonder if socks are made to fit a left or right foot, or if they're all exactly the same.



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Classical Music

Longy School of Music

All events held at Edward Pickman Concert Hall, 27 Garden St., Cambridge, unless noted otherwise. Information: 876-0956.

Bach's Lunch Concerts

All mid-day concerts are Wednesdays at 12:15 p.m. Free admission. July 20: Carol Epple, flute; Diane Hefner, clarinet; Judith Bedford, bassoon—classical trios performed on period instruments. July 27: Voice students of Janet Irving—a program of songs and arias. August 3: Jazz from Longy—standards and originals performed by Longy's jazz faculty and guest artists. August 10: Donna Dreisbach, oboe; Shaylor Lindsay, piano—music of Bartok, Schumann, Godard and others.

Master of Music Recital

July 25, 8 p.m. Free admission. Jon Simmons, piano. Program: Maurice Ravel, *Le Tombeau de Couperin*; Beethoven, *Sonata in E-Flat Major, Op. 31, No. 3*; Chopin, *Ballade in F Major, Opus 38*.

International Baroque Institute at Longy

All concerts start at 8 p.m. Admission: \$10; \$5 for students and seniors, payable at the door (except where noted). July 31: Frances Conover Fitch, virginal. Program: "Composed by Famous Masters"—Works of Byrd, Bull, and Gibbons. August 2: The Longy Early Music Faculty. Program: "Voices of London"—Music to include vocal works of Purcell and Haydn. August 4: Chamber Music of the English Baroque (suggested donation: \$5). August 5: Collegium Atlantis—Paul Leenhouts, recorder; Jed Wentz, flute; Manfred Kraemer, violin; Phoebe Carrai, cello; Arthur Haas, harpsichord. Program: "London's Triumph"—Works of Purcell, Handel, deFesch, and J.S. Bach. August 6: The International Baroque Institute at Longy Orchestra (suggested donation: \$5). Program: "Royal Fireworks"—Music of Handel, Purcell, Geminiani, and Corelli.

Longy Special Events

August 11, 8 p.m. Suggested Donation: \$5. Longy Summer Orchestra; Jeffrey Rink, conductor. Program: Mendelssohn, *Symphony #5 "Reformation,"* with other works to be announced. August 12, 8 p.m. Free admission. Longy Flute Orchestra; Trix Kout, director. Program: Original works and transcriptions for flute orchestra.

Federal Reserve Bank of Boston, Midday Performance Series

Bank Auditorium, 600 Atlantic Ave., Boston. All concerts begin at 12:30 p.m. Free admission. Information: 973-3453. July 28: The Chopin Society—Danuta Sava-Wysocka, soprano; Christina Dietrich, piano. August 4: Dances by Isadora. August 11: The Chopin Society—Christina Dietrich, piano (solo).

Harvard Summer School Orchestra

August 3, 4 p.m.: Harvard Yard, Cambridge. August 12, 8 p.m.: Lowell Hall (across from Sanders Theatre on the corner of Oxford and Kirland Streets), Cambridge. Free admission. Information: 625-9364. Concerts are under the direction of Judith Zuckerman. Program: Robert Schumann, *Symphony No. 1*; Edward Elgar, *Concerto for Cello and Orchestra*—Feng Hew, soloist.

Harvard Summer School Chorus

Lowell Hall (see above listing), Cambridge. August 5, 8 p.m. Free admission. Information: 492-7039. Directed by Beverly Taylor, Associate Director of Choral Activities at Harvard University. Program: Ralph Vaughan Williams, *Sea Symphony*.

Popular Music

Harvard Summer Pops Band

July 27, 7 p.m.: Payson Park, Belmont. August 3, 4 p.m.: Harvard Yard, Cambridge. August 6, 8 p.m.: Hatch Memorial Shell, The Esplanade, Boston. Free admission. Information: 625-9364. Each concert is directed by Thomas Everett, Director of Bands at Harvard University. All programs feature the music of Edvard Grieg, Leroy Anderson, Charles Gounod, and selections from the motion picture *Aladdin*.

World Music

World Music at the Roxy
The Roxy, 279 Tremont St., Boston. July 27, 7:30 p.m. Admis-

On The Town

A weekly guide to the arts in Boston

July 20 – August 25

Compiled by Scott Deskin

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



Paul McCartney (Gary Bakewell), George Harrison (Chris O'Neill), Pete Best (Scot Williams), John Lennon (Ian Hart) and Stuart Sutcliffe (Stephen Dorff) perform in Hamburg in *Backbeat*.

sion: \$22, available from World Music (876-9240) or TicketMaster (931-2000). Information: 876-9240. Africa Fête '94, an extravaganza of African and Caribbean music and dance, returns to Boston with a show of four continuous hours of music. The showcase features Kassav', Angelique Kidjo, and Ziskakan, and will bring the audience into a carnival-like atmosphere.

Los Mueñquitos de Matanzas

Kresge Auditorium. July 28, 8 p.m. Admission: \$12, available through Bostix (723-5181) or Ticketmaster (931-2000). Information: 262-1342 or 253-4003. Cuba's number-one folkloric ensemble comes to MIT to bring their unique songs and rhythms. Sponsored by the MIT Office of the Arts and *Inquilinos Boricuas en Acción*.

Film

Brattle Theater

40 Brattle St., Harvard Square, Cambridge. Admission: \$6 for all shows; \$4 for Brattle members; \$3 for seniors/children under 12. Information: 876-6837.

Special Programs

Laughter in the Dark: American Comedies from 1924-1955. All showings are Fri-Sat. July 22: *The Gold Rush* (Charlie Chaplin, 1928); 3:45, 7:45 p.m. *Safety Last* (Sam Taylor, 1924); 5:45, 9:45 p.m. July 23: *The Thin Man* (W.S. Van Dyke, 1934); 2:15, 7:55 p.m. *Libeled Lady* (Jack Conway, 1936); 4:05, 9:45 p.m. *Mr. Blandings Builds His Dream House* (H.C. Potter, 1948); 6 p.m. July 29: *All Bugs Revue: Bugs Bunny at Looney Tunes* (Chuck Jones, Friz Freleng, Bob McKimson, et. al., 1950-57); 4:15, 6, 8, 9:50 p.m. July 30: *His Girl Friday* (Howard Hawks, 1940); 4, 7:55 p.m. *Bringing Up Baby* (Howard Hawks, 1938); 2, 5:50, 9:45 p.m. August 5: *She Done Him Wrong* (Lowell Sherman, 1933); 5, 8 p.m. *I'm No Angel* (Wesley Ruggles, 1933); 6:15, 9:20 p.m. August 6: *The Awful Truth* (Leo McCarey, 1937); 4, 7:45 p.m. *Theodora Goes Wild* (Richard Boleslawski, 1936); 2, 5:50, 9:35 p.m. August 12: *Bombshell* (Victor Fleming, 1933); 4:10, 7:50 p.m. *Platinum Blonde* (Frank Capra, 1931); 6, 9:40 p.m. August 13: *The Palm Beach Story* (Preston Sturges, 1942); 2:15, 7:45 p.m. *The Lady Eve* (Sturges, 1941); 4, 9:30 p.m. *Easy Living* (Mitchell Leisen, 1937); 6 p.m. August 19: *How to Marry a Millionaire* (Jean Negulesco, 1953); 4:10, 8 p.m. *The Girl Can't Help It* (Frank Tashlin, 1956); 6, 9:50 p.m. August 20: *Some Like it Hot* (Billy Wilder, 1959); 3:30, 7:50 p.m. *Born Yesterday* (George Cukor, 1950); 1:30, 5:45, 10 p.m. *The Wild Ones*. All are Sunday showings. July 24: *Rebel Without a Cause* (Nicholas Ray, 1955); 3:30, 7:30 p.m. *Days of*

Being Wild (Wong Kar-wai, 1991); 1:30, 5:30, 9:30 p.m. July 31: *Lawrence of Arabia* (David Lean, 1962); 12 noon, 4, 8:15 p.m. August 7: *Giant* (George Stevens, 1956); 12 noon, 4, 8 p.m. August 14: *The Graduate* (Mike Nichols, 1967); 2:30, 7 p.m. *Who's Afraid of Virginia Woolf?* (Nichols, 1966); 4:30, 9 p.m. August 21: *The Godfather* (Francis Ford Coppola, 1972); 12 noon, 6 p.m. *GoodFellas* (Martin Scorsese, 1990); 3:15, 9:15 p.m. *Film Noir*. All are Monday showings. July 25: *Rear Window* (Alfred Hitchcock, 1954); 4, 7:50 p.m. *Pushover* (Richard Quine, 1954); 6:05, 9:50 p.m. August 1: *Reservoir Dogs* (Quentin Tarantino, 1992); 4, 8 p.m. *Blood Simple* (Joel and Ethan Coen, 1984); 6, 10 p.m. August 8: *The Shadow, Parts 1-5* (James W. Home, 1940); 4, 7:45 p.m. *Nocturne* (Edwin L. Marin, 1946); 5:55, 9:30 p.m. August 15: *The Shadow, Parts 6-10* (Horne, 1940); 4, 7:45 p.m. *The Racket* (John Cromwell, 1951); 5:55, 9:30 p.m. August 22: *The Shadow, Parts 11-15* (Horne, 1940); 4, 7:45 p.m. *The Big Heat* (Fritz Lang, 1953); 5:55, 9:30 p.m. **Jackie Chan Returns.** All are Tuesday showings, all feature Hong Kong actor/director Jackie Chan. July 26: *Police Story* (Jackie Chan, 1985); 3:30, 7:40 p.m. *Project A* (Chan, 1983); 5:30, 9:45 p.m. August 2: *Armour of God* (Chan, 1986); 3:30, 7:55 p.m. *Police Story II* (Chan, 1988); 5:20, 9:45 p.m. August 9: *Dragons Forever* (Samo Hung, 1988); 4, 7:45 p.m. *Dragon Lord* (Chan, 1982); 5:45, 9:30 p.m. August 16: *Armour of God II: Operation Condor* (Chan, 1991); 3:30, 7:50 p.m. *Project A II* (Chan, 1987); 5:45, 10 p.m. August 23: *Police Story III: Super Cop* (Stanley Tong, 1992); 4, 7:50 p.m. *Crime Story* (Kirk Wong, 1993); 5:55, 9:45 p.m. **Recent Raves.** All are Wednesday showings. July 20: *Thirty-Two Short Films about Glenn Gould* (Francois Girard, 1993); 4, 6, 8, 9:55 p.m. July 27: *Faraway, So Close* (Wim Wenders, 1993); 4:45, 7:25, 10 p.m. August 3: *White (Krzysztof Kieslowski, 1994)*; 4, 7:50 p.m. *Blue (Kieslowski, 1993)*; 5:55, 9:45 p.m. August 10: *The Accompanist* (Claude Miller, 1993); 3:30, 7:50 p.m. *The Piano* (Jane Campion, 1993); 5:30, 9:55 p.m. August 17: *Backbeat* (Iain Softley, 1994); 4, 8 p.m. *Dazed and Confused* (Richard Linklater, 1993); 6, 10 p.m. August 24: *Midnight Cowboy* (John Schlesinger, 1969); 3:15, 5:30, 7:45, 10 p.m. **Bertolucci, Visconti, Antonioni.** All are Thursday showings. July 21: *The Leopard* (Luchino Visconti, 1963); 2:30, 8:15 p.m. *Ludwig* (Visconti, 1973); 5:45 p.m. July 28: *Red Desert* (Michelangelo Antonioni, 1964); 3:30, 7:50 p.m. *The Innocent* (Visconti, 1976); 5:40, 9:55 p.m. August 4: *The Damned* (Visconti, 1969); 7 p.m. *Before the Revolution* (Bernardo Bertolucci, 1964); 4:45, 9:45 p.m. August 11: *Death in Venice* (Visconti, 1971); 2:45, 7:45 p.m. *Luna*

(Bertolucci, 1979); 5:05, 10 p.m. August 18: *L'Avventura* (Antonioni, 1960); 2:30, 7:25 p.m. *La Notte* (Antonioni, 1961); 5:10 p.m. *L'Eclisse* (Antonioni, 1962); 10 p.m. August 25: *1900* (Bertolucci, 1977); 1:30, 7 p.m.

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.

Premiere Engagement

The Women from the Lake of Scented Souls (Xie Fei, 1992); August 4, 5 p.m.; August 7, 12 noon; August 11 & 18, 8 p.m. Playing with *Farewell, My Concubine* (Chen Kaige, 1992); August 4, 7 p.m.; August 7, 2 p.m. Double feature admission: \$10, \$9 for MFA members/students/seniors.

Special Programs

Two by Bertrand Blier. July 21: *Merci la vie* (Bertrand Blier, 1990); 5:30 p.m. *Un Deux Trois Soleil* (Blier, 1993); 7:45 p.m. Both have encore showings on July 24 at 12:30 and 2:45 p.m., respectively. Double feature admission: \$10, \$9 for MFA members/students/seniors. **The Alloy Orchestra Accompanies Silent Classics.** July 28: *The Lost World* (Harry O. Hoyt, 1925), preceded by *Trip to the Moon* (Georges Melies, 1902); 6:30 p.m. Playing with *Metropolis* (Fritz Lang, 1926); 8:15 p.m. Double feature admission: \$11.50, \$10.50 for MFA members/students/seniors. **Gay Youth.** August 11: *OUT: The Story of Gay and Lesbian Youth* (Mark Adkin, 1993); 6 p.m. (encore showing on August 14 at 3 p.m.). August 14: *Queer Son* (Vickie Seitchik, 1994), preceded by *Homoteens* (Joan Jubela, 1993); 1 p.m. (encore showing on August 18 at 6 p.m.). Two-program series: \$10, \$9 for MFA members/students/seniors. **Film Concerts.** August 19: *Gather at the River: A Bluegrass Celebration* (Robert Mugge, 1994); 6, 8 p.m. (encore showings August 28 and September 3 at 1:30 p.m.). August 26: *The Kingdom of Zydeco* (Mugge, 1994); 6:30, 8:15 p.m. (encore performances on August 28 at 3:30 p.m. and September 3 at 3 p.m.). September 2: *True Believers: The Music Family of Rounder Records* (Mugge, 1994); 7 p.m. — the film is followed by a full concert set with Steve Riley and the Marmou Playboys. Three-film series: \$20, \$16 for MFA members/students/seniors. Double feature: \$10, \$9. Admission to *True Believers* plus concert: \$10, \$8.

Hong Kong Festival 1994

July 22: *The Legend of Fong Sai-Yuk II* (Corey Yuen, 1993); 6 p.m. *The Tai-Chi Master* (Kirk Wong, 1994); 8 p.m. (encore showing on July 30 at 1 p.m.). July 29: *Once Upon a Time in China III* (Tsui Hark, 1993); 5:45 p.m. *Once*

Upon a Time in China IV (Yuen Bun, 1993); 8 p.m. (encore showing on July 30 at 3 p.m.). August 5: *Super Cop: Police Story III* (Stanley Tong, 1992); 6 p.m. *Once a Cop* (Tong, 1993); 8 p.m. Encore showings of both films are on August 6 at 1 and 3 p.m., respectively. August 12: *The Bride with White Hair* (Ronnie Yu, 1993); 5:30 p.m. *Bullet in the Head* (John Woo, 1990); 7:30 p.m. Encore showings of both films are on August 13 at 12:30 and 2:30 p.m., respectively.

Theater Openings

"Dream on Monkey Mountain"

The Trinidad Theatre Workshop, Boston University, 264 Huntington Ave., Boston. July 21-31, time TBA. Admission: \$23-28, \$5 discount for students and seniors; call for tickets at 266-0800. Information: 353-5899. In celebration of the 35th anniversary of the Trinidad Theatre Workshop, award-winning playwright Derek Walcott's "Dream on Monkey Mountain" will be presented, directed by Albert Laveau.

"The Taming of the Shrew"

Open Door Theater, Pinebank Kettlebowl, Jamaica Pond Park, on the Jamaica way in Jamaica Plain. July 28-August 27 (Thu.-Sat.), 8 p.m. Admission: \$12, \$10 for students/seniors/Jamaica Plain residents. Information: 524-4007. "Riz" Risley's original gender-switching adaptation of Shakespeare's comedy on the battle of the sexes brings the play into the 1990s with a comic romp that explores what it really takes to "tame" a spouse — and make a marriage work.

Dance

Harvard Summer Dance Center

Lowell Hall (across from Sanders Theatre on the corner of Oxford and Kirland Streets), Cambridge. July 21-23, 8 p.m. Admission: \$10-15. Information: 495-5535. Spencer/Colton Dance Company performs.

Exhibits

MIT Museum

265 Massachusetts Ave. Tue-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 Invention 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. "The Center for Advanced Visual Studies: 25 Years." Curated by Otto Piene, Professor Emeritus and past director of the CAVS, the installation will showcase the work of 25 former fellows. Videos, a catalogue, and a CD-ROM presentation will incorporate works by all the former fellows of CAVS. Through Oct. 2.

Compton Gallery
Through October 2. Information: 253-4444.

"Charles H. Woodbury, Class of 1886: Artist." Exhibition of the paintings of one of the premiere American impressionists, who was also an MIT mechanical engineering graduate.

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 century through the 20th century.

Bromfield Gallery

107 South St., Boston. Hours: Fri, noon-5 p.m.; Sat, 11 a.m.-5 p.m. Information: 251-3605. Through August 12: "Lunatics and Lovers," a midsummer exhibition; a special program with performance, poetry and music is scheduled for Saturday, July 23, 5-7 p.m.

The Newton Free Library

330 Homer St., Newton. Hours: Mon-Thu, 10 a.m.-9 p.m.; Fri, 10 a.m.-6 p.m.; Sat, 9 a.m.-5 p.m.; Sun, 1-4 p.m. Information: 552-7145. Through July 28: "An Exhibit of Contemporary Sculpture by Distinguished Local Members of the New England Sculptors Association." Various artists.

The Computer Museum

300 Congress St., Boston. Through June 30, 2-5 p.m. daily. 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.

John Fitzgerald Kennedy Library

Columbia Point, Boston. Through Sept. 5, 9 a.m.-5 p.m. (general museum hours). Museum admission: call for details. Information: 929-4500. "World War II: Personal Accounts—Pearl Harbor to V-J Day." This exhibit opens on the 50th anniversary of the Allied landing on the beaches of Normandy, and devotes itself to commemorating history's most devastating global war. The exhibit features hundreds of dramatic letters, diaries, photographs, and objects from participants who witnessed the war's heroics and horrors. Sponsored by the National Archives and Records Administration, and organized by the Lyndon B. Johnson Library.

Isabella Stewart Gardner Museum

265 Fenway, Boston. Open Tue-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; Wed, \$3 for students with current ID. Information: 566-1401.

Museum of Our National Heritage

33 Marett Rd., Lexington. Admission and parking for the Museum of Our National Heritage is free. Hours: Mon-Sat, 10 a.m.-5 p.m.; Sun, noon-5 p.m. Information: 861-6559.

SPORTS

World Cup Game Proves to Be a Memorable Experience

Column By Daniel Wang
ASSOCIATE SPORTS EDITOR

EAST RUTHERFORD, N.J.

Many months ago, in late October, I thought I had made a stupid mistake to mail in my entry and credit card number into the lottery for tickets to see games at World Cup USA 1994. I was hoping not to receive the tickets and be able to spare my wallet.

When I was notified in January that I was chosen to order tickets, I thought that I would end up throwing my money away. But my views on my luck changed when I came home in late May. By that time, most sports-oriented commercials focused on soccer (oddly known as "football" everywhere else in the world). When the event started on June 17, I heard the news about the astronomical prices people were paying to see individual games. People had told me that I could sell my two tickets for more than 10 times the \$60 I paid for each of them. My immediate reply was: "No way! I'm going to see the game!"

I had the chance to witness the stunning upset by Bulgaria over the defending champion Germany in the quarterfinals. The game was held at Giants Stadium, where I discovered even the cheapest seats provide a fantastic view.

In this article, I will not try to report on the actual game, as much as the experiences I had of being part of the world's largest single sporting event. The sights and sounds were indeed truly memorable. Anyone who attended any one of these games can attest to it.

My experience started out early in the morning, as my friend and I started our trek from my home to the venue. Near the area where I

parked, a banner was draped in front of a portable toilet, which read, "Andres Escobar, our prayers are still with you." For those who do not know, Escobar was a star on the Colombian team who was murdered for accidentally kicking the ball into his own team's goal in the game against the United States. This incident is tragic, displaying the extreme and unfortunate consequences of sports fanaticism in other parts of the world.

All throughout the parking lot, there were small gatherings. German colors were everywhere to be seen, as well as colors of other countries. However, Bulgarian supporters, or at least their colors were nowhere to be seen. Even before entering the stadium gates, the crowd favorite was easy to determine.

I had purchased the least expensive tickets, but they felt like they were among the best seats in the house. My seat was located five rows from the front, almost directly behind the goal. Nearby, hordes of autograph-seekers tried to flag down various players who just happened to pass by.

When the German goalie Bodo Illgner came out and started his warm-up, the crowd erupted, then quickly quieted. He and another teammate were on the field for about 10 minutes before the rest of the German team came out and began a rather disorganized warm-up. Soon after, the Bulgarian team took the other end of the field. The Germans took awhile before they started actually kicking balls, but when they took shots on the goal, they sent many balls flying into the stands. There was fear — for being hit by a ball is not the most pleasant

feeling — yet excitement whenever a ball came nearby.

The players left the field, then the announcer gave the starting line-ups. When the announcer said the names of the German players, fans would shout out each of the last names.

The players then returned to the field, and the crowd sent a deafening roar in response. They went near the sidelines in the center of field and lined up facing the stands. Next, the U.S. Naval Academy band delivered the national anthems, first for Bulgaria, then for Germany. As if out of ceremony, the players jumped for joy after hearing their anthem.

Play commenced soon after. The contest pitted Germany, the defending champion, and undefeated so far in the tournament, against Bulgaria, the Cinderella-story of the entire tournament. Bulgaria had never won a game in previous editions of the World Cup, but this team had already defeated favored Argentina and in the previous elimination round, scored an upset against Mexico in a penalty kick shootout tie-breaker.

The game was filled with numerous offensive opportunities. Although the first half ended in a scoreless tie, the action was always fun to watch.

The crowd always seemed to deliver thunderous applause whenever a goal seemed inevitable. The partisan pro-Germany fans certainly did so when the referee awarded a penalty kick to German player Lothar Matthaus early in the second half. To their fortune, he delivered with the goal to put Germany ahead, 1-0.

An interesting thing happens at

half time: Not all of the players exit the field. Team members not starting just sit out near the bench area, and there is no half time show. Anyone who stayed, like I did, just watch ground crews pick debris off the turf and try to smooth out the uneven spots.

The medical crews were quite busy on this day. Early in the second half, Bulgarian player Trifon Ivanov was hit and knocked down by a shot traveling 70 miles per hour, causing play to stop. As medical attention was delivered, screens replayed the shot a few times, giving the spectators a chance to feel the pain he felt. Ivanov seemed unconscious but returned to the game. Later on, a German player was knocked out and seemed to have a more serious injury.

From where I sat, it was difficult to see the action on the other end of the field. With my luck, however, I saw the two goals that Bulgaria scored to tie, then win the game. Both of them seemed to happen within the blink of an eye. I did not realize that a goal was scored, let alone how good the shots were, until the ball was long buried in the net.

There was just as much noise over Bulgaria's goals as there was for Germany's goal. I had the feeling that there were many spectators like me who cheered for both sides. In the final stages of the game, the cheers were louder and more for Bulgaria.

Throughout the entire game, both teams had many spectacular offensive drives. Especially near the Bulgarian goal, the closer the offense came, the harder it was for the crowd to stay in their seats. The noise level also picked up whenever

there was a near-miss or a great save by either goalkeeper. Of course, there were also the boos whenever the Bulgarians stalled to run down the clock.

The minutes after the unofficial game clock expired were tense moments, since only one person, the referee, knew exactly how much time was left. The Bulgarians just tried to keep the ball away, waiting for time to run out. On the other hand, the Germans desperately tried to beat the clock with a game-tying goal.

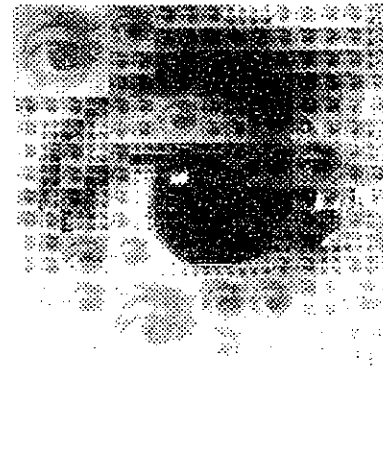
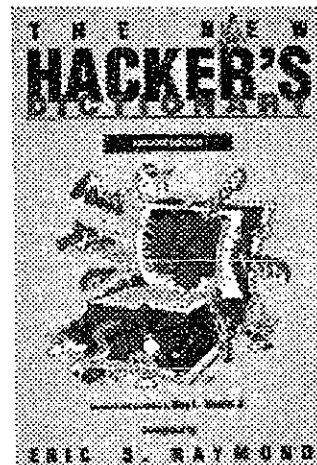
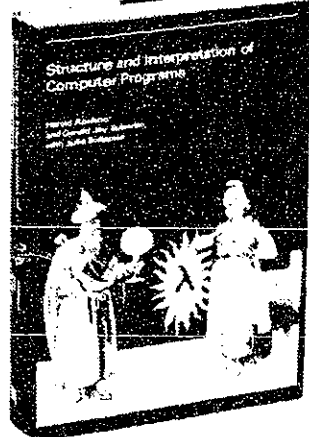
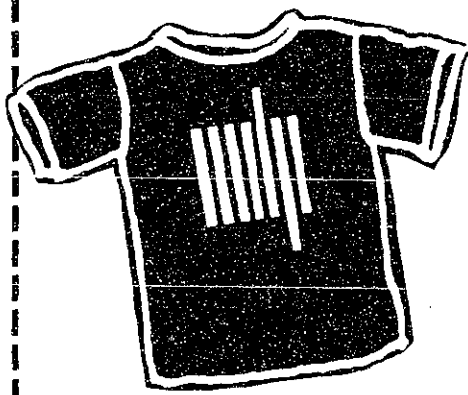
When the final whistle sounded, the Bulgarian team made their ecstasy known. There were small factions of fans who waved the Brazilian flag and showed their support, somehow feeling that the one team that could defeat their team, had been eliminated. Immediately after the game ended, police officers wasted no time to stand along the perimeter of the field, staring directly at the audience, as if expecting trouble to occur. The Bulgarian players' celebration seemed short-lived, as both teams quickly left the field.

Outside, Bulgarian supporters were relatively few in number, but their cheers were still emphatic. The victory was reportedly one of the greatest moments in the history of the country.

The feeling I had at the game was certainly one of excitement and intensity. However, the extreme case of uncontrollable pandemonium, usually associated with soccer, did not occur. Even so, I believed that the experience was well worth it. Although I am not a big soccer fan, I would love to see another World Cup game. I am glad that I used the best opportunity to do so.

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WORLD & NATION

Republican Senators Threaten Showdown on Crime Bill

NEWSDAY

WASHINGTON

Republicans led by Minority Leader Bob Dole of Kansas Wednesday proposed that the Senate vote on 10 amendments to the \$30.2 billion crime bill that would strike \$5 billion in "social spending" from the package supported by President Clinton and passed Sunday in the House of Representatives.

Majority Leader George Mitchell of Maine called the Republican initiative "a very carefully thought out proposal" intended to kill the bill. If the changes were adopted, he said, the measure would likely die after reverting to the House, where 10 days of painful negotiations were needed to pass a delicately crafted compromise. "My concern is that the crime bill will never become law," Mitchell said.

"So what? It goes back to the House. Then they act on it," Dole said, arguing that if Congress acts quickly, Clinton could be signing a new bill into law "in a matter of days."

Throughout the day Wednesday, Dole threatened that unless the Democrats agreed to negotiate on the amendments, he would call a procedural vote and effectively kill the bill with the support of 41 Republicans.

Still, late Wednesday, neither party leader had a clear handle on how many members they actually controlled, with both men acknowledging that any votes on the crime bill would be close.

Russian Officials Recover 22 Pounds of Stolen Uranium

LOS ANGELES TIMES

MOSCOW

Russian security officials, adding weight to promises that they would work harder to stop nuclear smuggling, announced Wednesday that they had recovered more than 22 pounds of uranium stolen from a closed nuclear center.

The uranium-238 was not weapons-grade and Atomic Energy Ministry spokesman Georgy Kaurov said the material was so harmless it could best be used as a weight for a fishing lure or "to make presses for buckets of sauerkraut."

But in the wake of German accusations that plutonium recently seized in the Munich airport originated in Russia, the uranium case served as concrete reassurance that Moscow would try harder to keep its nuclear stocks under control.

The actual origin of the Munich plutonium has not been established, but German suspicions that it came from Russia — it arrived on a Lufthansa flight from Moscow — were so strong that Chancellor Helmut Kohl dispatched his intelligence coordinator for three days of talks with Russian security chiefs.

The meetings yielded joint resolutions Monday to fight the nuclear black market harder and with more coordination, but no definitive word on where the plutonium came from.

Majority of World's Religions Support Population Conference

THE WASHINGTON POST

WASHINGTON

Despite the strong opposition voiced by the Vatican and Muslim religious leaders, a majority of members of the world's religions support the aims of the upcoming Cairo conference on population and development, a panel of theologians of various faiths said Wednesday.

While they said they knew of no polls or measurements to gauge that support, four speakers — two Protestants, a Jew and a dissident Catholic — told a telephone news conference that family planning is embraced by most religions, and that people of many faiths have applauded the United Nations conference's goal of educating and empowering women.

Many religious leaders and theologians, including Protestant, Jewish, Buddhist, Hindu and others, have voiced general support for the conference, which begins Sept. 5. But their often-equivocal pledges of support have been drowned out by the passionate and increasingly unified opposition mounted by the Roman Catholic Church, conservative Protestant groups and Muslims.

The Clinton administration, a strong backer of the Cairo conference, has been besieged recently by detractors and has turned to other religious voices for reinforcement.

WEATHER

Fair Weather to Continue

By Michael C. Morgan
STAFF METEOROLOGIST

The anticyclone that has provided the fine late summer weather for the region will slip offshore today — allowing winds to become more southwesterly. These southwest winds will bring back some mugginess and boost temperatures a bit. A weak cold front, crossing the area tonight, will produce a few scattered showers tonight and then skies should clear. The weekend looks mostly sunny and, for the most part, dry. Sharply cooler weather is indicated for the first half of next week.

Today: Partly cloudy and milder. High around 80°F (27°C). Winds southwest 10-13 mph (16-21 kph)

Tonight: Partly cloudy with a few showers possible. Winds becoming westerly by dawn. Low 64°F (18°C)

Friday: Clearing early and continued mild High around 80°F (27°C).

Saturday: Partly sunny and warm. High 84-87°F (29-31°C) Low 64°F (18°C).

Nuclear Rocket Dumped Radiation on Los Angeles Residents in 1965 Test

By Melissa Healy
LOS ANGELES TIMES

WASHINGTON

A federal agency's test of a nuclear-powered rocket in 1965 produced a radioactive cloud that drifted over Los Angeles before dissipating over the Pacific Ocean, according to a lawmaker who charged Wednesday that the area's 6 million residents were used as human guinea pigs in the experiment.

Citing documents released by the Energy Department in recent weeks, Rep. Ed Markey (D-Mass.) said the radioactive cloud of nuclear material was the result of an "intentional accident" designed to monitor the effects of a malfunction aboard the rocket.

While radioactivity levels were extremely low and unlikely to have caused illnesses, Markey said "an intentional reactor accident releasing a radioactive cloud should not be considered prudent public policy."

The incident is the latest disclosed as a result of an Energy Department effort to expose government testing programs in which humans may have been exposed to radiation without their knowledge or informed consent. A panel of scientists and ethicists commissioned by Energy Secretary Hazel O'Leary is investigating a range of radiation experiments involving humans between 1945 and the late 1970s. The panel also is expected to recommend compensation and medical follow-up for victims.

In a letter sent to O'Leary Wednesday, Markey urged the secretary to refer the rocket test to the investigating panel for consideration as a human experiment. If the panel

accepts the experiment as an episode of human experimentation, Los Angeles residents who can demonstrate they were affected by the test could be eligible for some compensation. More likely, however, area residents would be subject to efforts to trace the long-term health effects of the test.

"The history of the Atomic Energy Commission's nuclear-powered rocket program is already one of unrestrained radioactive hubris," Markey wrote in a letter to O'Leary.

The test was conducted by the Atomic Energy Commission, a predecessor of the Energy Department, with the assistance of the U.S. Public Health Service and a private contractor.

At 10:58 a.m. PST on Jan. 12, 1965, scientists conducted what they called a "controlled excursion."

The rocket took off from Jackass Flats at the Nevada Test Site and burned off part of its radioactive core in a spectacle that scientists said "resembled a Roman candle." Prevailing winds pushed the resulting cloud of radioactive debris Southwest from the test site, over Death Valley, and then onward over "the Los Angeles area," according to the documents. Aircraft stopped tracking the cloud when it drifted over the Pacific Ocean.

Public Health officials taking routine air samples from Barstow, San Bernardino, Los Angeles and San Diego observed "increased

radioactivity" on the two days following the test, according to a 1968 report prepared by the Los Alamos National Laboratory.

In fact, levels of radiation released in the experiment were lower than scientists had predicted they would be, the Los Alamos report observed. At 15 miles from the test site, the maximum level of

whole-body radiation exposure was measured at 5.7 millirad. That is well below current standards set by the Environmental Protection Agency for the exposure of the general public from commercial atomic power operations.

Those standards dictate that over one year, a member of the general public should not be exposed to more than 25 millirad whole-body radiation.

Experts said that if individuals were exposed to 5.7 millirad at 15 miles from the test site, those in Los Angeles, some 200 miles away, would have had significantly lighter exposures. It is thus doubtful, said one aide to Markey, that the test caused measurable health effects among residents of the Los Angeles area.

But Markey and O'Leary have argued that even if exposure levels do not themselves prompt concern, the emerging picture of early radiation testing raises serious questions about the ethical standards observed by the federal government enforced in its experimental programs.

The radioactive cloud of nuclear material was the result of an "intentional accident"

—Rep. Ed Markey (D-Mass.)

Computer Firms Race to Cut Prices on Older Machines

By Elizabeth Corcoran
THE WASHINGTON POST

WASHINGTON

Following the prices of personal computers these days is a bit like watching a ski slalom race. Top computer makers have been whizzing past one another in their rush to cut prices.

Students buying machines for back-to-school use are finding they can afford an ever-wider collection of features such as built-in audio systems and units that play optical data disks known as CD-ROMs.

Some models once far too costly for these buyers are going for about \$1,000. And "what you can buy for less than \$2,000 is astonishing," said Richard Shaffer, who heads a research firm called Technologic Partners in New York.

Wednesday, International Business Machines Corp. joined the crowd, trimming its prices an average of 18 percent on a number of its desktop models aimed at the business market. A week ago, Compaq Computer Corp. grabbed attention by promising a similar range of cuts, also on models aimed at the business market.

Both companies plan to put out new lines of "multimedia" personal computers in the early autumn, in time for the industry's biggest selling time, the year-end holiday season. These machines can offer sound, graphics and video images.

Packard Bell Electronics Inc. already has announced its fall multimedia model, which will include a CD-ROM player, stereo sound and a

telephone answering machine. The machines will start at \$1,000 (without monitors) and range up to \$3,000.

Those brands are all built to the standard pioneered by IBM and rely on software by Microsoft Corp. Also feeling the price pressure is Apple Computer Inc., which sells the rival Macintosh line. Apple is trimming prices on its families of computers in a bid to remain competitive.

When new models appear, manufacturers often wind up dramatically cutting prices on older generations of machines so as to draw down warehouse stocks. Apple's model 150-PowerBook introduced in July, for instance, is priced at about \$1,470, but it is based on a 1991 model that sold for about \$4,500.

Also helping to drive down prices have been reductions in manufacturers' costs. Microprocessor king Intel Corp., which makes the chips that serve as the brains of the majority of personal computers, slashed prices twice this summer on its two top lines, the "486" and Pentium families.

The chipmaker plans to lower prices again in November as it scrambles to keep ahead of competitors threatening to encroach on its chip market. In hopes of convincing consumers that they should buy sophisticated PCs that rely on Pentium chips, Intel will spend \$80 million to advertise in consumer magazines such as Rolling Stone and Working Mother, and on the Come-

dy Central cable TV network.

PC prices have always been on a downward curve, as the market grew and economies of scale kicked in. But the war began in earnest in 1992, when Compaq Computer slashed prices and reorganized its business to run on far leaner profit margins than it — or other big manufacturers — had in the past. And by grabbing a larger share of the market, Compaq has continued to hold down prices.

Most analysts say there is no ideal moment to snatch up a new computer. "It's always a great time to buy," said Seymour Merrin, an industry consultant based in Palo Alto, Calif. "The value consumers are getting in PCs is unreal."

Others argue for a bit of patience. "I'd wait until a little past September" before buying, said J. William Gurley, an analyst at First Boston in New York. At that point, consumers will "get older stuff at a cheaper price," he said.

And there will be a new range of products targeted at consumers. "I think we're a month away from some really nice new products," Gurley said.

What today seems like "last year's model" to techno-elitists is still an impressive machine for many first-time buyers. And what once was seen as a hopelessly expensive system, such as a 486 computer with a heartbeat of 66 million cycles per second, is now one of the most popular items on computer buyers' lists.

Israel, PLO Agree to Transfer Civilian Powers to Palestinians

By Mary Curtius
LOS ANGELES TIMES

JERUSALEM

Israel and the Palestine Liberation Organization initiated an agreement Wednesday on early transfer of civilian powers to Palestinians living in the Israeli-occupied West Bank.

After a negotiating session that lasted all night Tuesday, resumed Wednesday morning and finally ended at night, Israel said it would transfer authority on Sept. 12 to Palestinians for collecting taxes and for running health, welfare and tourism facilities throughout the West Bank.

"Today is the real start for the implementation of the peace agreement on the West Bank," Palestinian negotiator Nabil Shaath told reporters in Cairo, Egypt.

Even as negotiators there were

still finishing their accord, the first transfer of a civilian portfolio in the West Bank to Palestinians was already under way.

Israeli authorities formally turned over the Ramallah school district to Palestinians, in keeping with a separate agreement reached in Cairo last week, and promised that the rest of the West Bank education system will be turned over to Palestinians by Aug. 29.

"This is a far-reaching, most important step," Foreign Minister Shimon Peres told Israel Radio about the education transfer. "I think we are acting wisely in not forcing our education on them, leaving them to educate in their own way."

The transfer of responsibility for civilian affairs is meant to give Palestinians in the West Bank — who still live under Israeli military rule — tangible evidence that Israel and the

PLO are working toward an agreement to let Israel redeploy its troops out of Palestinian population centers and permit them to conduct local elections and run their daily lives.

But Israel's military administration of the territories will continue alongside the Palestinian bureaucracy for at least a year, Israeli officials said. The Israeli administration will not be dissolved until elections are held in the territories and Israel's troops are redeployed.

"There will have to be cooperation," Shaath told reporters in Cairo. "We will need good will and a lot of cooperation; it will not work any other way."

Both Israeli Prime Minister Yitzhak Rabin and PLO Chairman Yasser Arafat face rising opposition in their constituencies to the step-by-step disengagement process Israel and the PLO have committed.

Delta Air Lines, AT&T Announce Joint Venture for Info Technology

By Elizabeth Corcoran
THE WASHINGTON POST

WASHINGTON

Delta Air Lines Inc. and AT&T said Tuesday that they are creating a joint venture that will manage Delta's communications and computing services, except for its reservation system.

For Delta, which reported a \$408 million loss for the fiscal year that ended June 30, the joint venture is intended to save money, absorb about 1,200 Delta employees and eventually generate revenues. For AT&T, it is a sign that its Global Information Solutions division is gaining momentum.

The as-yet unnamed company, which will be based in Atlanta, will initially be staffed by the approximately 1,200 Delta employees and 30 people from AT&T. Although neither company would reveal what

kinds of resources it plans to put into the venture, they described it as a "50-50 joint venture."

Worldspan, a company that is 38 percent owned by Delta, will take over Delta's reservation system. About 300 Delta employees will be transferred to Worldspan.

Delta Chairman Ronald Allen said the airline hopes to save about \$400 million over the next decade by relying on the AT&T joint venture for information technology. During that time, Delta expects to buy about \$2.8 billion of the fledgling company's services. Eventually, the joint venture may sell its services to others in the transportation industry.

Allen would not discuss precisely how Delta hoped to achieve cost savings from the deal, other than to say he hoped to see "productivity gains." Typically, any benefits from

contracting out for data processing occur because the outside firm handling them consolidates expensive resources and knowledgeable staff.

The announcement culminates a two-year effort at Delta to find another company to run its information technology systems. Delta has said it wants to trim its costs by about \$2 billion by June 1997.

Even though this deal may look small, "saving \$40 million a year (for 10 years) is a big deal if it goes straight to the bottom line," said Thomas Longman, an airline industry analyst with securities firm Bear, Stearns & Co. in New York.

The deal "is positive for AT&T," said Connie Luecke, a telecommunications analyst with securities firm Duff & Phelps Inc. in Chicago. AT&T has been trying to transform its information solutions division for "one-stop-shopping" she said.

White House May Put Off Health Care Action Until Next Year

LOS ANGELES TIMES

WASHINGTON

The White House is nearing a conclusion that action on meaningful health care reform is all but impossible this year and has begun laying the groundwork for moving the debate into the next session of Congress, according to administration and congressional sources.

Even though officials continue to voice hope that Senate leaders can craft a workable compromise from two competing health care reform plans, time and tempers are growing short on Capitol Hill. The House already has left town after its rancorous debate on the crime bill, which is now stalled in the Senate, and there has been virtually no progress in recent weeks toward consensus on health care.

President Clinton remains determined not to settle for half steps on health care, which he believes may do more harm than good and doom chances for the sweeping reformation of the American health care system that he wants.

Unless the Senate can surmount numerous obstacles in the next few days and produce a bipartisan plan that makes significant progress toward universal health care coverage, the White House is prepared reluctantly to call it quits for this year, officials said.

Clinton has discussed the prospect of suspending the health care debate until next year with several influential senators who share his concern about the chances of passing an even minimally acceptable bill this year.

Chavis Loses Bid to Get Job Back, But Will Negotiate Severance Soon

THE BALTIMORE SUN

WASHINGTON

Fired NAACP Executive Director Benjamin F. Chavis Jr. lost his court bid Wednesday to get his job back, but NAACP lawyers said they would meet with him soon to negotiate severance.

Superior Court Judge Herbert B. Dixon Jr. refused to order the National Association for the Advancement of Colored People to reinstate the ousted leader. Chavis alleged that the NAACP board violated its bylaws when it dismissed him Saturday.

The judge said the Chavis-NAACP case was essentially a contract dispute. He suggested that Chavis' recourse was not to seek a temporary restraining order, but to sue the NAACP for breach of contract.

Chavis vowed to keep fighting in court to block his firing, and a Sept. 2 hearing was set. But then he said he hoped to "avert a full-blown court battle."

"All I want is fair treatment," Chavis told reporters outside the courthouse. "I want my civil rights respected by the nation's oldest and largest civil rights organization."

When Chavis was fired, he lost a job with a \$200,000-a-year base salary, cost-of-living and merit pay increases, free health and life insurance, a housing allowance, and travel and entertainment expenses while on NAACP business. His three-year contract, which many NAACP board members have never seen, was made part of the court record.

For the 46-year-old minister, who made \$64,000 in 1991 as executive director of the United Church of Christ's Commission for Racial Justice, moving to the NAACP was a giant step up in pay and perks.

Graduate Student Council

Orientation Week Events

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
* Tickets Required for marked events, available at the GSC info booth!						
28		10-4: GSC Information booth and tickets Lobby 10	9-4: ID Photos, Lobby 13	9-4: ID Photos, Lobby 13	10-4: GSC Information booth and tickets, Lobby 10	10-4: GSC Information, Lobby 10
7-10:30 pm: Harbour Cruise, Long Wharf *		11 am: Campus Walking Tour	1-4 pm: MIT Fair, Lobby 13	12-2: Picnic! * Killian Court	12-9: Refreshments at Muddy Charles, 50-120	11:00 am: CWT
		7-9 pm: Activities Midway, Johnson Center	4-4:30 pm: Urban Safety Seminar, 10-250	5:30-7:30: GSC Open House, 50-222. Ice Cream!	2 pm & 4 pm: Trolley Tour around Boston 77 Mass Ave. *	2:00 pm: CWT
			7-9 pm: Athletics Midway, Johnson Center	7:30-?: Night On the Town, 50-222	4-6 pm: New International Student Reception 26-100	
			10-4: GSC Information, Lobby 10			
			6-6:30 pm: Dealing with Harassment 10-250			

And coming up the following weeks:

- Monday, Sept. 5 : Hiking Trip *
- Saturday, Sept. 10 : GSC Puzzle Rally
- Night on the Town II !
- Sunday, Sept. 11 : Red Sox Game ? *

- Tuesday, Sept. 13 : Women's Student Orientation
- Wednesday, Sept. 14 : GL 001 (Intro to Grad Life)
- Thursday, Sept. 15 : Can We Talk? * (Gender Communications Workshop)
- Friday, Sept. 16 : Minority Students Orientation

OPINION

Welcome, Class of 1998

Welcome and congratulations. Be proud not only of your admittance, but also of making the decision to come here to begin the first of what may come to be the most important years of your life.

Now that you've made the first step and arrived here, you'll be faced with many decisions, both immediate and long term. Some will be trivial — choosing an Athena username or deciding where to eat — and others will be difficult — selecting your dormitory or living group, picking a major, or finding the right group of friends.

Along the path to your commencement in 1998, you'll be challenged in ways you may not yet be able to imagine. Whether facing academic, social, or even physical challenges, you will find out what MIT is really about — stretching your mind, developing your abilities to their fullest, and pushing your limits.

So go ahead, take that hard class, try out for that team, join that interesting activity. Rush your favorite living group, and meet as many people as you can. But don't be overly disap-

pointed if you don't get an A-plus, don't make the team, or don't have time for an activity. And don't get upset if you don't get a bid, don't get invited back to a party, or can't find the right group of friends right away. No matter what happens, always try to maintain perspective.

The college years are when you find out who you really are. If you try to please somebody other than yourself, especially during Rush, consider if it will be worth it in the long run. Don't be afraid to explore new activities, people, and ideas, even for discovery's sake. If you try to please somebody other than yourself, especially during Rush, consider if it will be worth it in the long run. And don't be afraid to ask for help — MIT students are extraordinarily helpful in giving advice, and there are many people who will just listen as well.

So welcome to MIT. Despite some flaws throughout the system, we feel that you will find your education here a positive experience overall. The resources of the Institute are truly great, both in quantity and quality. It is up to you to discover and take advantage of them.

Editorial

Letters To The Editor

Continuous Action In Soccer Does Not Preclude Excitement

I had to respond to the remark of John A. Parente '96, stating that "Soccer games are very low scoring, a key to drawing excitement," ["Soccer Not Highly Regarded Highly in United States," July 20]. For me, a major turn-off with American football and baseball is that most of the time nothing happens.

Occasionally there is a brief spasm of activity and then the players go back to standing around doing nothing. By contrast, in soccer there is continuous action, which provides plenty of excitement even if the final score is low.

What irked me about Parente's letter was the typical American parochialism which says: "Soccer isn't popular here; therefore it must be a boring game, and the rest of the world must be wrong."

Hugh Dunne PhD '87

Proposed Bike Lanes Are a Good Idea

In response to the article "Proposed Bike Lanes Upset Planning Office," [July 20], I do not understand why MIT is so negative towards such a positive city effort to make bicycling safe for its many bicyclists — most of which, in this area, are MIT's own employees and students.

Rebecca Shrigley Hall

What Did You Do for Summer Vacation?

Column by Michael K. Chung
COLUMNIST

Welcome back to MIT, everyone. "Wait a minute," many of you may be saying, "didn't this guy graduate? Why is he still around this place?" But then, many of you may not have any clue of who I am anyway (i.e. if you're a freshman, don't worry — you're not supposed to have any clue who I am).

I suppose that this past summer had its fair share of activity, whether shocking or pleasantly surprising. I'm sure you've all heard the O.J. Simpson joke by now:

"Knock knock."

"Who's there?"

"O.J."

"O.J. who?"

"Congratulations — you're on the jury!"

And how about the World Cup? Though I never saw a live game, seeing the coverage on television and reading the sports column by Daniel Wang '97 ["World Cup Game Proves to Be a Memorable Experience,"] in the July 20 issue of *The Tech* only helped me to catch World Cup fever. Though the World Cup fever has seemed to have died out considerably, the "R/O issue fever" is just starting to spread at *The Tech*, so keep your eyes peeled for these daily issues spouting the latest on what's going on around the Institute.

By now you may be wondering what I did over my summer, since the headline of this column reads as it does (but of course, I might just be deluding myself). What did I do — I worked out fairly regularly in June and July, but a mere two times in the month of August. Maybe taking the Medical College Admission Test (MCAT) on Aug. 20 had something to do with it.

Other exciting news about my summer ("Oh please, Mike, tell us more!"): I played violin in Killian Court during the twilight hours a few times toward the end of summer. If you play closer to Lobby 10, you may be

able to hear the echo from the buildings. If you play near the flag pole on the east side of the court, you may get approached by tourists for a photo session. Not that I minded, of course; it's just that it was the last thing I expected to happen amidst playing (or rather, "trying to play") the Mendelssohn Violin Concerto.

Other than these seemingly random things, there weren't a whole lot of highlights to my summer. As a recent graduate of MIT, I am pleased to say that I enjoyed my years at MIT. As some advice to you freshmen getting your start at the Institute (this may even apply to some of you upperclassmen as well), I hope that you take advantage of some of the many opportunities that the school affords. From the purely academic to the purely recreational, there is a great wealth of resources from which to draw at MIT. Go to the Activities, Athletic, and Academic Midways with an open mind and a lot of questions. You may be surprised at just how much is available to the student body.

But don't wait for things to come to you. Even if some things do, it's entirely possible for you not to like them and put MIT activities off in general. Keep in mind that "everyone you will talk to in the next few days is a sales-

man," ["Freshmen: Stay Alert and Rush Will Be Fine," August 28, 1992]. As retired Opinion Editor Bill Jackson '93 explained so eloquently in one of his many columns addressed to the entering freshman class in 1992, "Cut through the sales pitches. Make the right choice. And keep your head out of the sand."

No matter what, don't let yourself become intimidated while you're at MIT. Soon President Vest will reassure each and everyone of you that "you were not admitted by mistake," ["Vest Welcomes New Students to MIT," Aug. 28, 1992]. Sure, times may become tough, challenging, and humbling. But remember what qualities were responsible for bringing you here (if you don't know, you owe it to yourself to figure it out), and don't let go of the vitality that has brought you the success that you already have experienced.

Remember the old saying: There are three types of people in this world — those who make things happen, those who watch things happen, and those who asked "What happened?" Don't become grouped with the wrong classes of people. Good luck to each of you: May your time be truly meaningful here.

It doesn't take much to twist former opinion editor Michael K. Chung's arm to help out with the R/O issues, in spite of his new job.



Opinion Policy

Editorials, printed in a distinctive format, are the official opinion of *The Tech*. They are written by the editorial board, which consists of the chairman, editor in chief, managing editor, executive editor, news editors, and opinion editors.

Dissents, marked as such and printed in a distinctive format, are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

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

Letters to the editor are welcome. They must be typed, double-spaced and addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or by interdepartmental mail to Room W20-483. Electronic submissions in plain text format may be mailed to letters@the-tech.mit.edu. All submissions are due by 4 p.m. two days before the date of publication.

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

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ArticleFirst—Indexes the articles listed on the contents page for more than 11,000 journals in science, technology, medicine, social science, business, humanities and popular culture. Search by subject or author, 1990+. *You can make interlibrary borrowing requests directly from this database. When you have found the item you need and determined that MIT does not own it, use the Order command, and choose Interlibrary Loan.*

BIOSIS/FS—Information on recent developments in biological and biomedical sciences, derived from journals portion of *BIOSIS Previews*, current year and three previous years

ERIC—700,000 annotated references to non-journal articles issued in *Resources in Education* (RIE) and to journal articles issued in *Current Index to Journals in Education* (CIJE), 1966+

GenSciIndex—Leading general science periodicals, 1984+

GPO—335,000 records for U.S. government documents, July 1976+

Humanities Index—Citations to articles in important humanities journals, 1984+

INSPEC—Produced by the Institution of Electrical Engineers (IEE), is the world's largest and most comprehensive source of published reference literature in physics, electrical and control engineering, electronics, and computing, 1987+

MEDLINE—Indexes 3,500+ medical journals published internationally; most records include abstracts, 1986+

MLA—Modern Language Association of America index on literature, languages, linguistics, and folklore, 1963+

NewsAbs—Records describing significant items from 25 newspapers, including the *New York Times*, *USA Today*, *Boston Globe*, *San Francisco Chronicle*, and *Wall Street Journal*, 1989+

PAIS Decade—Represents the last ten years of the PAIS (Public Affairs Information Service) database. Topics covered include business, government, international relations, banking, environment, health, social sciences, demographics, law and legislation, political science, public administration, finance, education and statistics, covers most recent ten years

ReadersGuide—Citations to articles in popular periodicals, 1983+

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Social Sciences Index—Citations cover business, politics, foreign affairs, anthropology, community health and medical care, economics, geography, international relations, law and criminology, political science, psychiatry & psychology, social work, public welfare and sociology, 1983+

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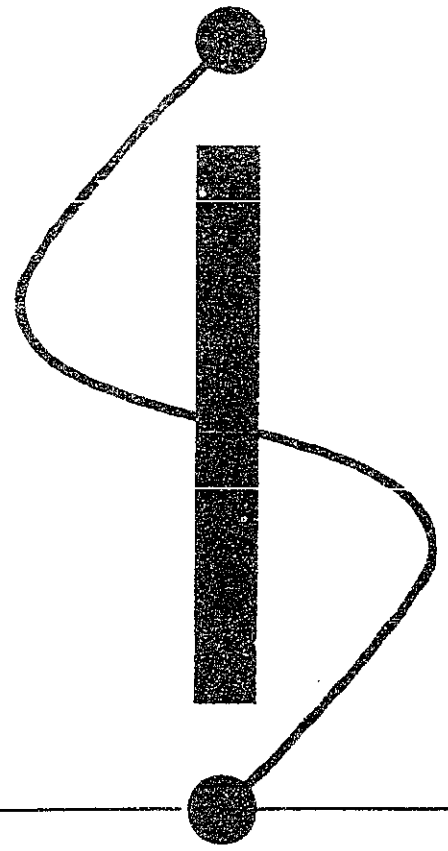
Commercial document delivery is available in many databases.

Look for **Order** command in the action line.

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Information Systems (IS) welcomes you to MIT. IS is the central computing group at MIT. We manage the campus network (MITnet), run the campus computer store (MCC), offer training, documentation, and consulting assistance on the Athena system, microcomputers, and the Internet. We also publish newsletters such as *i/s* which focuses on general computing issues at MIT and *The Athena Insider* ...

During R/O week, you will see IS reps at various activities. Come to our Minicourses for an introduction to Athena. Contact the RCC in your dorm. Meet the consultants and ask your questions about buying computers, about Athena, and about MITnet. And don't forget to register for your Athena account today — you'll need it for the housing lottery.



Athena Minicourse Schedule



no fee, no registration, no reservations — just show up in Room 26-100 during R/O Week and learn all you need to start using Athena, the MIT campus-wide computing facility.

Room 26-100	Monday Aug. 29	Tuesday Aug. 30	Wednesday Aug. 31	Thursday Sept. 1
10am	Intro to Athena	Intro to Athena	Working on Athena	Advanced W.P.: EZ
11am	Basic Word Processing	Basic Word Processing	Working on Athena	Advanced W.P.: LaTeX
noon	Intro to Athena	Intro to Athena	Working on Athena	Advanced W.P.: EZ
1pm	Basic Word Processing	Basic Word Processing	Working on Athena	Advanced W.P.: LaTeX
2pm	Intro to Athena	Intro to Athena	Working on Athena	Advanced W.P.: EZ
3pm	Basic Word Processing	Basic Word Processing	Working on Athena	Advanced W.P.: LaTeX
4pm	Intro to Athena	Intro to Athena	Working on Athena	Advanced W.P.: EZ
5pm	Basic Word Processing	Basic Word Processing	Working on Athena	Advanced W.P.: LaTeX

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Back-to-School Lobby days in W20 — Demos, Information, Goodies and More

- August 26 (Women's Suffrage Day)
- August 29
- August 30
- August 31
- September 1
- September 6
- September 9

September 2 Come to the Computer Fair in the Bush Room 10-105 from 10am to 5pm

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 - Can make a commitment to providing consistent and reliable support to the users of MITnet.
 - Are responsible and dependable workers.

Above all, our consultants must be interested in helping us to provide quality support for users of MITnet. Problem-solving, patience, and communications skills are important.

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Please send resumes to Cynthia Endriga, E40-334. Selection will begin immediately and continue until all positions are filled. Don't delay!

Some Free Network Stuff You Can Use From Your Dorm Room

Applications available for	Macs	PCs
Discuss	Yes	No
E-mail	Yes	Yes [Windows]
E-mail notification	Yes	Yes [Windows]
Finger client	Yes	Yes
Finger server	No	Yes [Windows]
FTP client & server	Yes	Yes
Gopher client	Yes	Yes
Kerberos password changer	Yes	Yes [Windows]
Mosaic	Yes	Yes [Windows]
TechInfo	Yes	Yes [Windows]
Telnet client	Yes	Yes
Usenet newsreader	Yes	Yes [Windows]
Zephyr	Yes	No

DOS applications are supported on 80386, 8088, or 80286 machines with a 10 megabyte or greater hard disk running DOS. Windows applications require an 80386SX or better machine running Windows 3.1 or better.

Where to get free network software:

- anonymous ftp to <net-dist.mit.edu> from the directory /pub
- TechInfo in the path Main → Computing → Network Software Distribution (net-dist)
- AppleShare zone IS-DCNS, on the server called net-dist. (Log on as Guest.)

Woman Surprises Intruder at DKE

By Sarah Y. Keightley
EDITOR IN CHIEF

At about 1 a.m. on Friday, Aug. 12, a summer resident at the Delta Kappa Epsilon house confronted two people that had entered the house. The suspects sprayed the woman with a chemical and fled.

They were later apprehended by the Cambridge Police Department.

Chief of Campus Police Anne P. Glavin said that the woman was not an MIT student. Also, the woman was not injured by the chemical weapon, believed to be pepper spray, she said.

The woman surprised the suspects, who had entered the house from a window on the first floor, according to a Campus Police bulletin.

After the Campus Police received a description of the suspects, a call went out to city and state police forces, Glavin said. "We advised the Cambridge police," and the suspects were arrested a few streets away from the campus, she said.

The Campus Police assisted by bringing the woman in to identify the subjects, Glavin said.

The suspects were caught on bicycles that were believed to be stolen. Nothing else was stolen, Glavin said.

DKE residents said that they had no comment on the incident.

Recruiting Efforts Address Stereotypes

Women, from Page 1

One of Birgeneau's three daughters attended MIT and graduated in 1993. "My daughter who went to MIT was relatively the happiest," he said. "I feel good about my daughter's experience here."

In his letter Birgeneau wrote that because his daughter attended MIT, "I know from her firsthand that MIT is a wonderful place for a bright, ambitious young woman to obtain an undergraduate education. ... We are very proud of the academic performance of our women students at MIT."

"The letter told [prospective students] MIT was a human place," Birgeneau said.

"In an ideal world, our students

and faculty would represent the actual diversity in the United States," Birgeneau said. This recruitment effort is progress in making MIT's student population more balanced, he said.

As a result of his letter, Birgeneau said he has received personal letters and telephone calls from prospective applicants and their parents.

Birgeneau said that he is not aware of other universities using this approach to reach out to prospective female students, though administrators from other schools seem interested in this idea. The new female president of the University of Pennsylvania expressed interest in writing a similar letter, Birgeneau said.

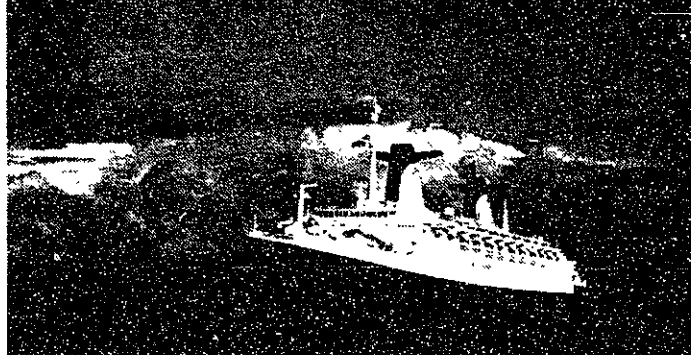
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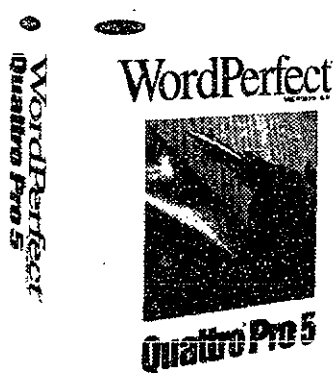
For some people, inner peace is the most elusive thing on earth. But for millions of others, it comes naturally from knowing God.

The God we worship never promised to make life a bed of roses. But He gives us the inner peace and strength to endure them, and eventually to triumph over them.

That's why we're inviting you to join a small group called "Search for Significance". Wherever your search for peace has taken you in the past, there's hope for the future. "Search for Significance" is a small support group of 6-10 people who meet weekly to discuss issues dealing with self esteem and the search for inner peace. It is not a professional therapy group.

If you are interested in developing a trusting relationship with a small group of peers who work within the MIT community, call 253-2328 by August 30 or come to an introductory meeting on Tuesday, August 30 at Noon in W11-125

Sponsored by the Baptist Campus Ministry at MIT, W11-035



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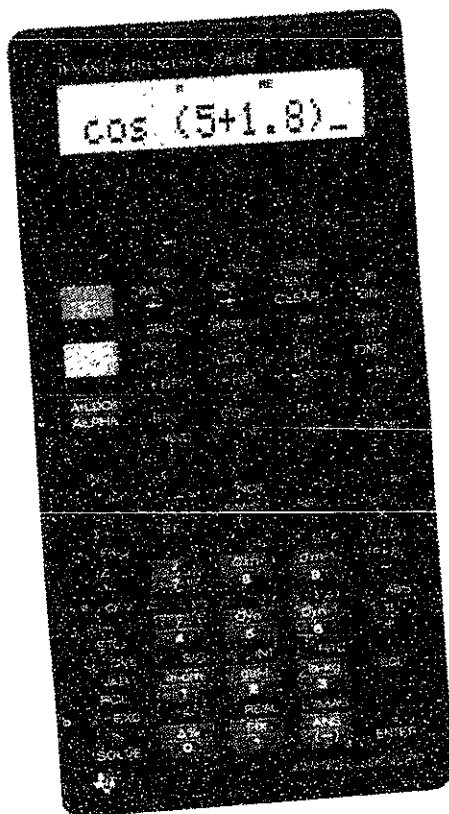


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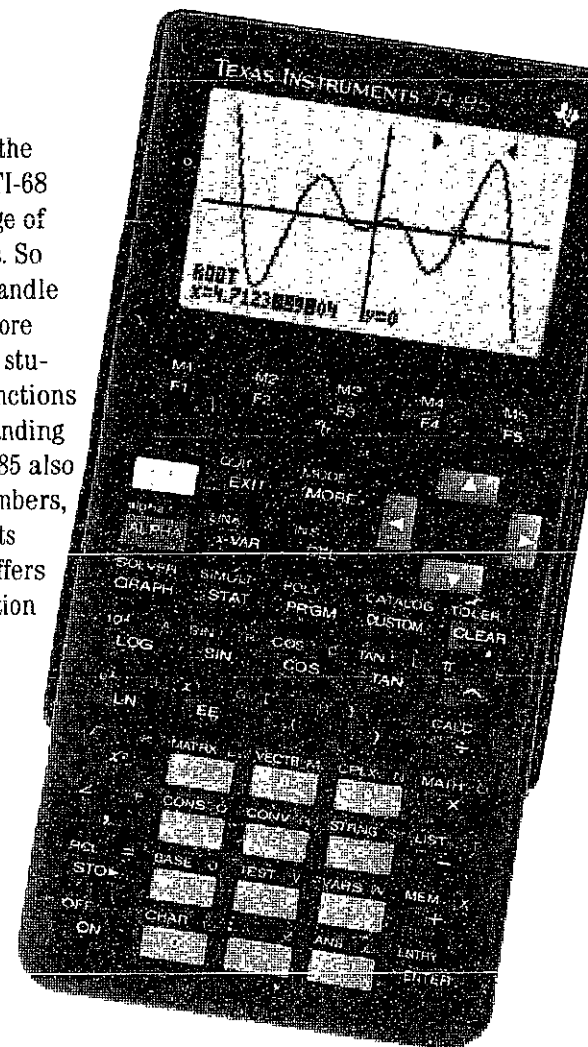
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Local Banks Offer Wide Variety of Packages

By Eva Moy
STAFF REPORTER

Choosing a bank is usually one of the first priorities of incoming students. Banks offer a wide variety of packages and benefits, including monthly service fees, automatic teller machine access, and free checks. Students should also consider the location of the closest branch and automatic teller machines.

Most new students will save some money this year, because banks must waive monthly service charges for people under 19, according to state law. While some students may find a good deal while they are under 19, they should keep in mind any charges they will incur later.

Most banks allow both checking and savings withdrawals, as well as money transfers and balance inquiries. Some banks charge a service fee for ATM transactions made at machines owned by another bank, so called "out-of-network" transactions.

Erin Lovett, branch manager of the Student Center Baybank, suggested that students shop around and talk to several bank representatives before making their final decision.

A bank account can be a way to learn financial independence and

build a good credit rating. While some students may be more interested in skipping the basics and investing their money in stocks or money market accounts, this article will cover the basic checking and savings packages at eight MIT-area banks.

Bank of Boston

The Bank of Boston's First-Up Checking Account has a monthly service fee of \$2.50, which allows 10 checks and four ATM withdrawals per month for no charge. People can also choose the Minimum Balance Checking Account for \$6 per month. The charge is waived with either a minimum of \$1,000 in checking or \$2,000 in savings. The Maximum Checking Account charges \$8 per month, but offers unlimited check-writing and ATM withdrawals, with 10 additional out-of-network ATM withdrawals.

For savings accounts, the Bank of Boston offers a \$1 per month account with no minimum balance and no ATM charges.

Baybank

Baybank emphasizes its Student Value Package. For \$6 per month, customers can write eight checks and use Baybank ATMs without additional charge. There is a \$0.75

fee for each check after the eighth, and the non-Baybank ATM fees depend on the other bank.

The savings account requires no minimum balance, unlimited ATM access, and a \$3.50 per month service fee.

Cambridge Savings Bank

Two of Cambridge Savings Bank's packages are geared toward students. The Personal Checking Account can be opened free of charge with an initial \$100 deposit. Non-CSB ATM transactions cost \$1 each.

The Statement Savings Account has no fees and no minimum balance. Customers also enjoy ATM overdraft protection.

Cambridge Trust Company

Cambridge Trust Company's ATM Convenience Account has no monthly service fee and requires no minimum balance. The first 50 checks are also printed free. Each ATM withdrawal costs \$1, and each check after the first five costs \$3.

Statement Savings Accounts require either a \$200 minimum or a \$2 per month fee. Three free ATM withdrawals are allowed, with a \$1 charge for each subsequent withdrawal.

For all accounts opened in Sep-

tember, Cambridge Trust offers a free American Heritage dictionary.

Cambridgeport Bank

Cambridgeport Bank offers a Value Checking Account, with no monthly fees and no minimum balance. The 10-free check limit can be waived by either a \$500 average daily balance each month or a direct deposit arrangement. Otherwise, each additional check costs \$1 apiece. The account also features unlimited Cambridgeport ATM withdrawals and three free out-of-network ATM withdrawals, with a \$1.25 charge thereafter.

Customers can open a Statement Savings Account with a \$10 minimum, and maintain the Account with either a \$200 minimum or a \$1 service fee per month.

East Cambridge Savings Bank

East Cambridge Savings Bank highlights three of its accounts for students. The Basic Checking Account costs \$3 per month, with no minimum balance and nine checks free. Each additional check is \$1. The Now Account's monthly \$4 service fee and \$0.30 check fee can be waived with a \$600 minimum daily balance. Non-ECSB ATM withdrawals and balance inquiries are charged \$0.75 each.

The only restraint for the Passbook Savings Account is a \$10 minimum, and there are no fees for normal transactions.

Shawmut Bank

Shawmut Bank offers no-frills checking and savings accounts, with no minimum balance, no service charges, and a \$0.50 per month service fee which can be waived by using direct deposit. Checks in excess of 10 per month are charged \$0.75. The minimum balance is \$10 per account. There are no ATM charges.

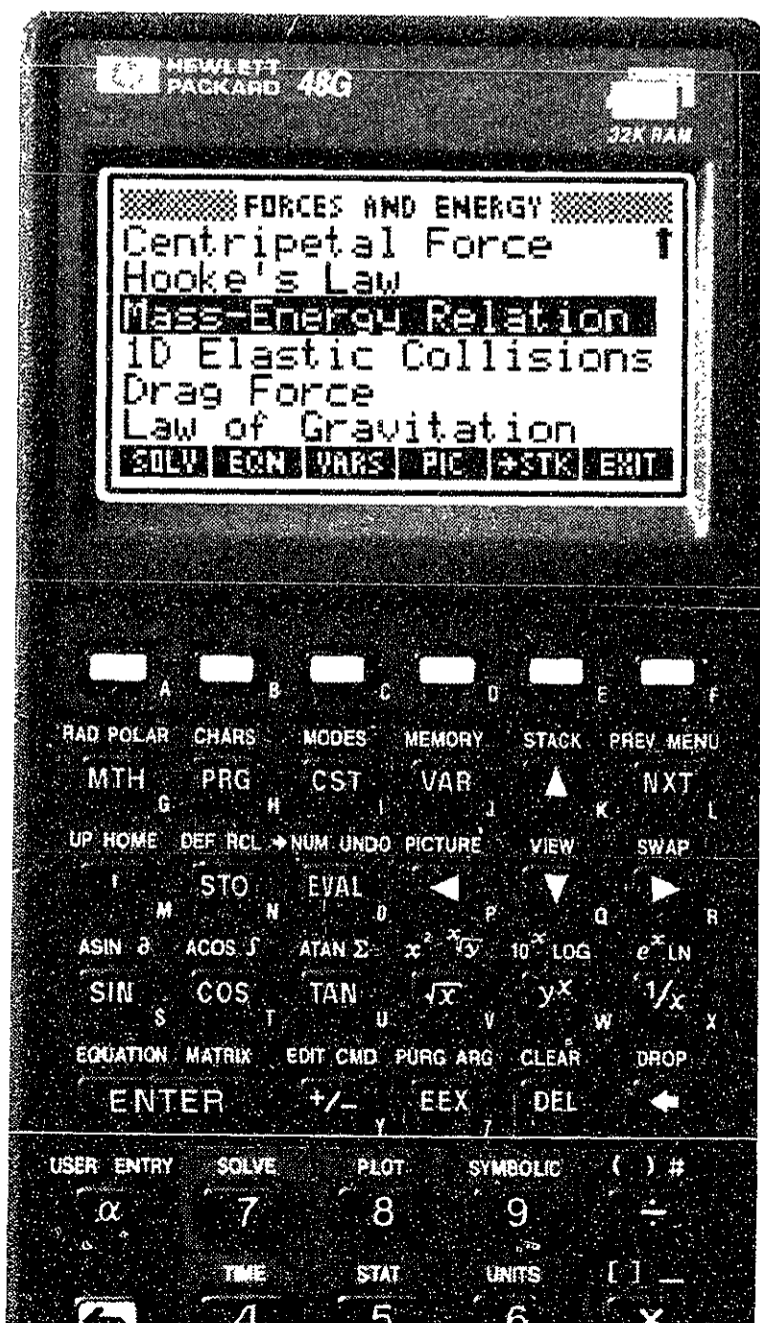
US Trust

US Trust has a more complicated set of fees and benefits. In Choice Checking One, customers who keep a daily minimum of \$100 can avoid the \$8 monthly service fee. There is also a \$0.35 charge for US Trust ATMs and \$1 for non-US Trust ATMs. Benefits include 200 free checks, preferred rate loans, overdraft protection, credit card protection, travel advantages, and interest for accounts over \$500. Choice Checking Two offers many of the same benefits at \$5 per month, but with no minimum balance required.

US Trust's Savings Account requires either a \$250 minimum or a \$3.50 charge per month.

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USP Head To Assist Provost

Clay, from Page 1

ate department head and directed the Masters in City Planning program before being named department head in 1992. From 1980 to 1984, he was assistant director of the MIT-Harvard Joint Center for Urban Studies.

Clay received an AB degree with honors from the University of North Carolina at Chapel Hill in 1968 and a PhD from MIT in 1975. Clay became an assistant professor at MIT in 1974, associate professor in 1980, and professor in 1992.

Clay is a member of the policy and research advisory councils of the Federal National Mortgage Association. He is also a member of the board of directors of Greater Boston Community Development, the National Housing Trust, and the Civil Liberties Union of Massachusetts.

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Cactus Demon to Play at 'Unplugged'

By Scott Deskin
ASSOCIATE ARTS EDITOR

Not to be outdone by MTV, MIT will hold its own free-form pop-music jam as part of this year's Residence and Orientation Week lineup. The concert, affectionately known as "MIT Unplugged," will take place this evening on the Student Center front steps and is open to all MIT students.

The Student Center Committee is sponsoring the concert, and it is one of many concerts that the SCC sponsors throughout the year — which includes the annual Battle of the Bands in the spring.

The headlining act is Nine-Headed Cactus Demon, one of MIT's premier house bands. The group has performed at several MIT events, including the Battle of the Bands. The concert also features the DJs of WMBR, MIT's on-campus radio station.

The SCC has sponsored similar R/O band parties in the past, but they have had poor attendance due in part to bad timing, said SCC

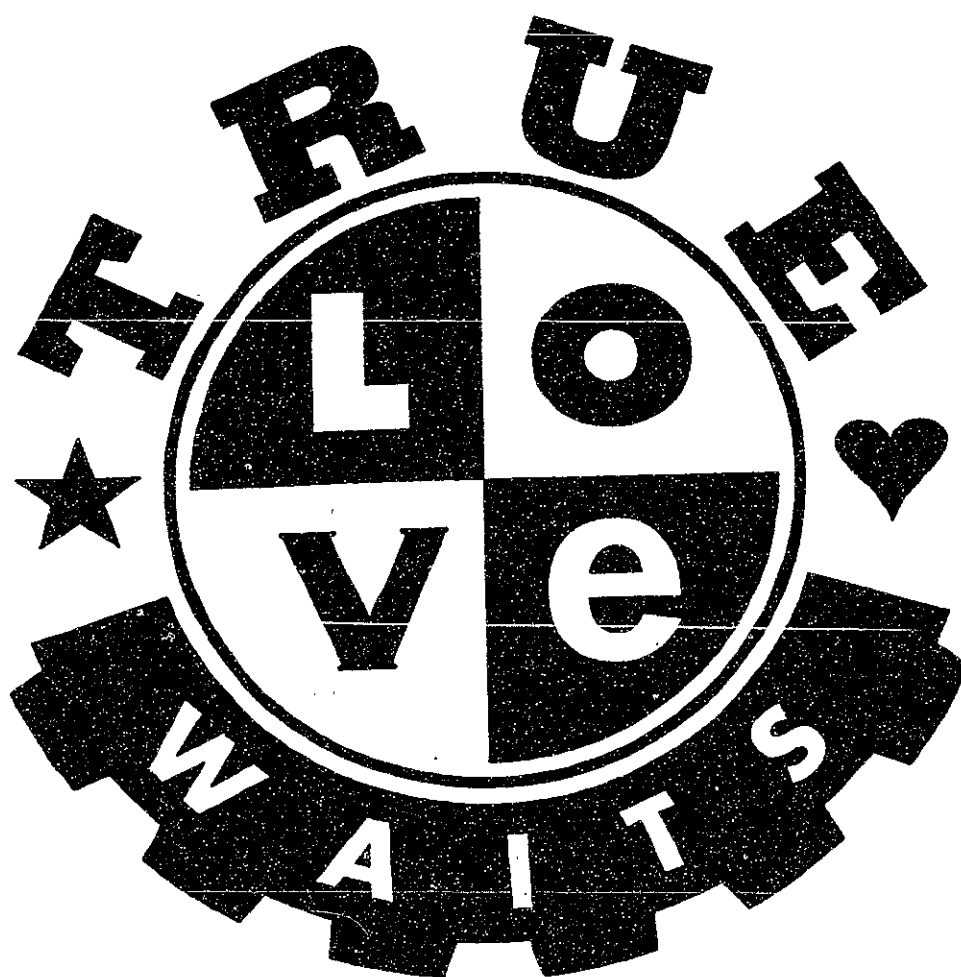
Logistics Manager Jon A. Allen '96. Last year's "Red Line Party," which was scheduled in the middle of the week after Rush, conflicted with many students' plans to study for that week's Advanced Standing Examinations, he said.

"We decided to move the band party up one week, so that the freshmen can have a chance to take a break before Rush starts," Allen said. The posters may hype "MIT Unplugged" as a live band party, but in fact it is just an informal gathering of students on Kresge Oval to listen or to just hang out, Allen said.

Event organizer Grant W. Su '97 enthusiastically said, "It'll be a blast!"

Organizers see the concert as a way for freshmen to kick back and relax. Most of all, Allen believes that the concert provides an opportunity for everyone to enjoy the best music of MIT's rock scene in a low-pressure setting.

"MIT Unplugged" is scheduled from 9:30 p.m. to midnight; the rain location is Lobdell Court.



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SUNDAE MONDAY!!

Monday, August 29; 3:00-4:00pm in the Lower Level of the Religious Activities Center (W11)

Grab a mid-afternoon ice cream sundae and meet the Lutheran and Episcopal Chaplains, staff and students.

FIRST WEDNESDAY SERVICE

Wednesday, August 31; 5:10pm in the MIT Chapel

Joint weekly worship alternating between Lutheran and Episcopal liturgies. If you are new to MIT, we would like to meet you and introduce you to our community. And if you're a returning student—welcome back!! And please join us!

VIVA ITALIA!!

Wednesday, August 31; 6:00pm

Share a delicious Italian repast with members of the Lutheran-Episcopal Ministry at MIT in the brand-new Religious Activities Center (W11, corner of Massachusetts Avenue and Amherst)

EVENSONG (VESPERS) SERVICE

Sunday, September 4; 7:00pm in the MIT Chapel

Special music featuring renowned New England tenor Marshall Hughes (who also happens to be the Edgerton Center's new Program Coordinator!) followed by a gourmet dessert party catered by *Cezanne Desserts* of Cambridge.

All are welcome to attend!!

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New Students to Receive Housing Results via E-mail

Housing, from Page 1

the chaplains' offices, and reconstructed the building as an annex to McCormick.

The new building, which is nearly complete, will house 26 women. "W2 looks very nice. Tom Phalen from Physical Plant did an excellent job on the project," said Christopher Nolan, manager of renovations and construction in the Office of Housing and Food Services.

The building will receive an occupancy permit on Friday, Nolan said.

Another 24 rooms were made available for women when the AXO house at 478 Commonwealth Ave. opened last Friday.

AXO is the second oldest sorority at MIT, and the second to own a house. In 1991, Alpha Phi, the oldest sorority, moved into a house across the street from the AXO house.

"I just took a tour of the new sorority in Kenmore Square and it's just beautiful," Jablonski said.

The housing office also completed many less apparent renovations during the summer. More than 50 contractors were hired to do a variety of construction, including plumbing, electrical work, and masonry, according to Nolan.

"The dormitories are in excellent condition," Nolan said.

"The plumbing seems to be the

worst problem we're having in housing and we're trying to get that done," Nolan said. "Every time we have to work on a shower valve, we have to shut down water for the whole building." Valves that allow water to be turned off in only part of a building have been added or existing valves have been repaired, he said.

New housing lottery

For students who do not join one of the independent living groups, their first introduction to the housing system — and perhaps to the Athena Computing Environment — will be the housing lottery, which begins on Sunday at 4 p.m.

For the first time ever, students must indicate their dormitory preferences using their Athena accounts and will receive the results via electronic mail. The intent of the new program was to "try to make the lottery more convenient and less hectic," Eisenmann said.

By using Athena to submit lottery choice and return results, the Dean's Office hopes to give students more time to enter their choices and to eliminate the long line of people outside La Sala de Puerto Rico on Tuesday, when the lottery results will be released.

Students will still be able to ask a person about their lottery results, but machine communication is preferred Eisenmann said. "We're hop-

ing they don't [come to the R/C Center for housing results], because in addition to getting information about their permanent assignment there is information on their new house like advising, City Days, and in-house rooming assignments," he said.

Students can enter their lottery preferences between Sunday at 4 p.m. and Monday at 3 p.m. in any Athena cluster. They must first register for Athena accounts. "If they do feel they would like some assistance on Sunday evening and during the day Monday, they can talk to consultants in the Student Center cluster," Eisenmann said.

The move from temporary assignments to permanent assignments will also be delayed this year. The goal, again, was to make the process "a bit more convenient, and a bit more straightforward," Eisenmann said.

On Sept. 1, all students will move out of their temporary room assignments between 10 a.m. and 1 p.m. and move into permanent dormitory assignments between 2 and 5 p.m.

"It will allow students to move during the day and to have the house staffs available if there are any problems," Eisenmann said. He also noted that "all of the freshman will be moving at the same time and all the rooms will be available."

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Is the United States Ready for a Major Soccer League?

Wang, from Page 12

press. "If we can do half as much in the next four years as we did in the last four, we can win the World Cup in 1998."

Time will tell if what he says is true. For the moment, though, it is quite believable. Bearing the responsibilities of being the host nation has provided a huge boost to America's World Cup team. After losing all three of their first-round contests in 1990, the team was determined to at least save themselves from embarrassment when the competition came to its turf. The U.S. Soccer Federation hired an experienced Bora Milutinovic, who immediately ordered the construction of a national training headquar-

ters. Many of the top players joined European professional leagues to gain some experience.

I have a feeling that Americans sense some kind of need to be a world power in all major sports. While my statement can be disputed, it is true that in soccer, the most popular sport in the world, the United States seemed to have lacked something. The drive for improvement in this sport is possibly one of the best things done to any athletic program in the country.

All of the hard work seemed to have paid off. The team advanced to the second round for the first time ever. Along the way, it pulled off an upset against Colombia, a team many had chosen to win the whole thing. Interestingly, that single game

may have set the careers of many American players, as a number of them were flooded with offers from European teams the night after the game. It is hard to believe that a team that gave up only one goal in each game did not advance any further. Even so, masses of fans that suddenly popped up clearly showed their support throughout the four games played.

With such a high amount of participation among the younger Americans, I am quite surprised that the United States is not already an international power. After all, soccer is one of the first sports many children pick up, and at least where I live, there is a sizable league in every town. Furthermore, almost every high school and college boasts a

team, in addition to many other opportunities for practice and competition.

So perhaps the problem could be with providing opportunities to play at the highest levels. There was a time when I believed that this country needed a professional soccer league, which could boost the abilities of American players.

A similar situation existed with our national basketball teams. In the 1970s and 1980s, the U.S. team consisting of college players, often struggled in the Olympics and World Championships. Bring in NBA players, and no one can come close, as demonstrated by the "Dream Team" of the 1992 Barcelona Olympics.

The situation even exists now. At this summer's Goodwill Games, the U.S. team comprised of collegians proved to be very beatable. That team marked a stark contrast to the Dream Team II that easily won the World Championship of Basketball weeks later.

I had a strange feeling, though, when I read in the newspapers that the Major Soccer League is being formed next year. With the momentum generated among the public by the World Cup, this is an ideal time to form such a league. The league is a great idea but I wonder if it will work.

Will the league actually attract talent and spectators, and produce world-class players? A problem I see is that many American players already have lucrative contracts overseas, and would prefer to stay there. So it is possible that the league will consist of everyone except the very best, even within the American talent pool.

It will be difficult to bring in players from other countries, unless there are enough people with enough money to lure them. There is a lot unknown about this league so far, so we will just have to wait and see how it turns out.

Something that might help the American cause even more is to continue exposure to international competition. The U.S. team needs to gain even more experience, which comes from playing the world's best.

The team could do so by having the opponents come over here. A few international tournaments and some exhibitions could work wonders. I am sure that teams from other countries would enjoy and would be willing to play in America.

Many players enjoyed playing and staying in the States during the World Cup. Some members of teams that played in New Jersey (Giants Stadium) even made side trips to Atlantic City and New York City during their free time.

There is one final thing I would like to discuss about soccer in America. Many of you probably know very well that Meola, one of the best-recognized members of the U.S. World Cup team, has signed to play American football with the New York Jets. I do realize that soccer players often become successful football kickers, and that this might be something that Meola really wants to do, but his decision doesn't seem to be too good for the image of soccer in the America.

This move will probably affect how soccer followers in other countries view the American interest in soccer. They may find it hard to believe that with people such as

Meola, the United States is still seriously interested in becoming a world power in soccer.

They have probably acquired the impression that Americans care more about football than about soccer. Furthermore, Meola, 25 years old, departs from many good years ahead of him. He could be much better in 1998 — I noticed that the goalies of the final four teams were each either in their late 20s or early 30s.

Meola was the only goalkeeper on the U.S. team who actually saw playing time during this World Cup. Who will fill his shoes? Will he be able to match Meola's skills? We will have to wait and see.

Should penalty kicks be used?

I do not have too much more to say about the World Cup, but there is one point about the rules that I have a need to discuss. Those who watched the championship game between Brazil and Italy witnessed the first ever final tied after overtime, and hence the first decided by penalty kicks. As you may know, Brazil prevailed 3-2, after Roberto Baggio saw his dreams disappear in a flash, as his kick sailed over the crossbar.

Almost all of the journalists who talked about this way of deciding a winner were definitely critical of it. As for myself, I do not know enough about the nature of the sport to really make a well-founded opinion. However, I can agree with the argument that many of them use, that the method is simply not natural. They believed that the winner should be determined on the field of play, just like in the previous 120 minutes, where teamwork is an essential factor.

I guess this is like an NCAA Basketball Championship or the seventh game of the NBA Finals being decided by each player lining up, and shooting free throws. NBC morning show host Bryant Gumbel said, "It's like the Super Bowl being decided by Dan Marino and Joe Montana going up and trying to throw the football through a tire."

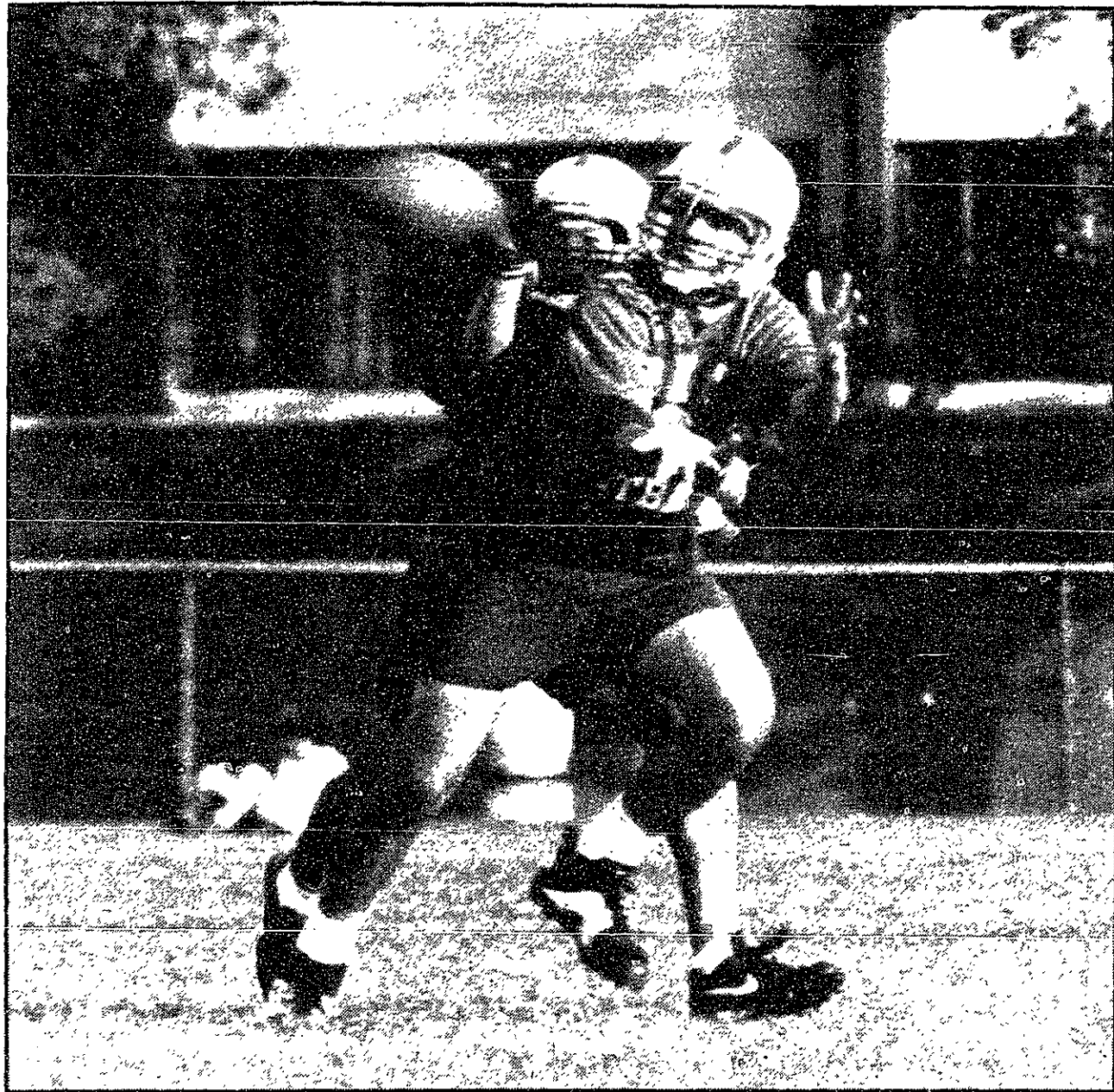
However, a similar use of penalty shots exists in international ice hockey. That was the case in the 1994 Winter Olympics, when Sweden defeated Canada in such fashion to win the Gold Medal.

I would like to leave this matter up to you, the reader. The question that I want to pose is: *Should penalty kick shootouts be used to decide World Cup games?* I am seeking your opinion, which you could send by electronic mail to: sports@the-tech.mit.edu. Perhaps you can suggest alternatives.

If there are enough respondents, I will print the results of the poll, and what some people said, in a future issue. I hope to continue asking big questions like this on a regular basis. Even if the penalty kick shootout tiebreaker is not the best way, at least those who attended the final got the most out of their money.

In closing, you can clearly see that I have had a lot to write about the World Cup alone. However, I must stress that the tournament was only a small part of all the sporting events that happened this summer. Sports fans have truly been treated by the fact that everything has coincidentally happened at virtually the same time.

There is more to come, so enjoy it while you can because next summer's program of events might not be this good!



THOMAS R. KARLO—THE TECH

Above: An MIT receiver pulls down a pass during football practice Wednesday afternoon. Many fall sports have already begun practice to prepare for the upcoming season.

Below: A soccer player moves the ball downfield during a practice scrimmage in front of Burton-Connor House yesterday.

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SPORTS

The World Cup: A Midsummer Sports Fan's Dream

Column by Daniel Wang
ASSOCIATE SPORTS EDITOR

There's no doubt about it: sports fans across the nation and probably around the world have been given a real treat this summer. In June, July, and August, there was something to watch and to talk about almost every day, with much more to come as the summer of 1994 draws to a close.

Somehow many of the world's biggest events, with dramatic outcomes, all came together in the same season. There were certainly things to say about America's marquee sporting events.

Both the Stanley Cup Finals and the NBA Finals were extended to a full seven games before a champion was decided. For both sports, most of the playoff series that led up to the finals even went the distance. Give the endurance award to the New York Knicks, who played 25 out of a possible 26 games in the NBA playoffs.

In Major League Baseball, it is unfortunate that a strike has had to halt very closely contested pennant races. At least the strike did not happen before the All-Star Game, where the National League broke a six-year losing streak by making a late comeback to defeat the American League, 8-7. Baseball fans are lucky that minor league teams have continued play. Even with the current strike, there have been many more things to watch instead.

Extend to the world scene, and there is even more to talk about. In tennis, followers witnessed Sergi Brugeru and Pete Sampras successfully defend their titles in the French Open and Wimbledon, respectively.

However, there were a few more

surprises on the women's side. Steffi Graf, the defending champion in both Grand Slam events, was the heavy favorite, but fell victim to upsets in both. At Wimbledon, the spotlight shifted to nine-time singles champion Martina Navratilova, who came one match short of a tenth crown, which would have been a perfect ending to a wonderful career.

Now who can forget about the World Cup soccer tournament, which has captured the attention of the world for an entire month? The competition, the world's largest single sporting event on the planet, always provided something for many people to talk about the following day.

Held this year in a country that many did not think could successfully host the tournament — the United States — virtually all attendance records were broken. The championship game alone was witnessed globally by over two billion people, more than the viewers of a year's NBA Finals, World Series, and Super Bowl combined (that's a possible fifteen games!). Very few events in general, let alone others in the world of sports, require the use of an entire nation for such a long period of time.

I would like to focus on a few aspects of the World Cup, and the many impressions the games have left behind. Before I start, I must say that I have mentioned only a few of the many sporting events that have taken place this summer. I apologize for other major events that have been omitted.

The fascinating game of soccer

I was not able to follow all of the

tournament's 52 games as closely as I followed the 1994 Winter Olympic Games, but I thought I was able to catch the highlights fairly well.

I bet that there were many others like myself who were not great followers of soccer, but decided to watch some games to see what all the hype and novelty was about. No other athletic event is notorious for causing riots thousands of miles away. Such incidents did happen, but security crews at the venues did an excellent job, as fears of bombs and violence near the games never materialized.

Even without that kind of unnecessary intensity I gained a greater understanding and appreciation of soccer through watching many games. Although the games have concluded, they have motivated me to buy myself a soccer ball. Every so often, I love to kick it around.

The rules and the sheer nature of the game make soccer a unique sport. Continuous play, 45 minutes at a time without time-outs, sometimes makes games into a battle for survival. At the World Cup, only two substitutions are allowed in an entire game, so coaches must carefully choose their starting lineups. The players make magic with their feet as creativity is rewarded by the ball finding the net. Furthermore, the final minutes are tense moments, as only one person, the referee, knows exactly how much time is left to play. That one person also has strong control over the behavior of the players. All of these things, and more, make a soccer game quite interesting.

The United States hosting the World Cup created an interesting situation with the images of the par-

ticipants. This event is possibly one of the biggest gatherings of national heroes. However, players who are almost treated as immortals in their country were virtually unknown to most of the American spectators. Just who were those guys — Romario, Baggio, Campos (and many others)? I guess people like me got to know them better and admired their skills but never quite deified them like their countrymen.

I highly praise the coverage given to all of the games by the television networks ABC, ESPN, and Univision. The first few games of commercial-free television took a little bit of getting used to for me, and also for the crowd that likes to make trips to the bathroom or refrigerator during commercials. I had trouble keeping an attention span to watch continuously for more than 45 minutes at a time, but later on, the time seemed to pass quickly, as every moment was filled with suspense and anticipation.

The commercials that I missed all would have been the same anyway. The coverage was a welcome departure from events such as basketball games, where the last five minutes of play often seem to require five hours. For people who desire commercials, this type of presentation was like a dream, with the score and time continuously shown. The sponsors still had a chance to have their logo displayed in a corner, with the announcer at times saying, "This segment is presented commercial-free by so-and-so."

For those who watched Univision, the Spanish-language channel, who could forget the commentator's cry of "Gol!" (Spanish for "goal") whenever a goal was scored? That

one word lifted him to fame and appearances on numerous American, English-language channels. I must confess I was one of those who flipped to that channel immediately after seeing someone score.

Those who watch major events very closely often lose sight of the fact that a game is just a game. This also applies to the World Cup, and this year could not be more true. There are negative consequences, such as the murder of Colombian player Andres Escobar for accidentally kicking the ball into his own goal in the game against the United States.

However, such incidents, although they should not be forgotten, were overshadowed by all the wonderful things that came out of the sport. The tournament seemed to bring large parts of the whole nation, if not the world, together to cheer for their favorite team. People of various ethnicities and nationalities clearly displayed national pride everywhere.

Each game was a big event for the countries represented, and a win made it even bigger. A prime example was Bulgaria's upset over the defending champion Germany in the quarterfinals — what some called one of the biggest moments in the history of the former Eastern Bloc nation. In another hemisphere, Brazil's victory in the final helped its citizens forget its many domestic problems, at least for a while.

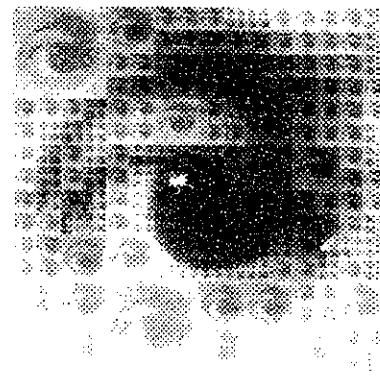
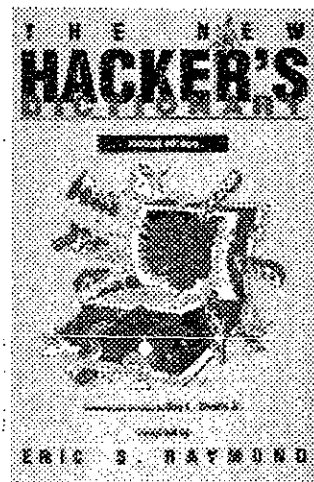
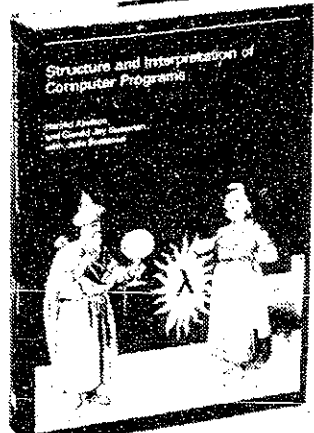
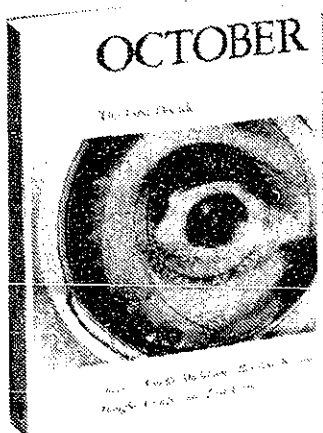
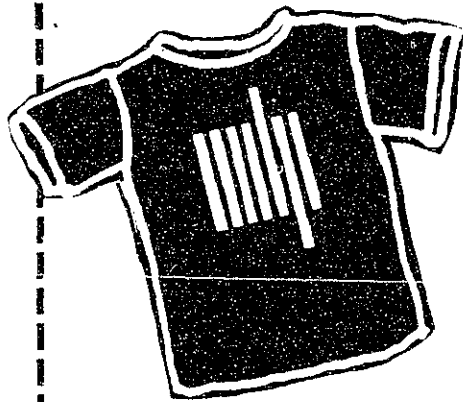
Can the U.S. win the World Cup?

After his team's loss to Brazil in round 16, U.S. team captain and goalkeeper Tony Meola told the

Wang, Page 11

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