

Three Departments to Offer MEng Programs Next Year

By Shang-Lin Chuang
STAFF REPORTER

Starting next September, three new Master of Engineering programs will be offered in the Department of Aeronautics and Astronautics, the Department of Civil and Environmental Engineering, and the Department of Ocean Engineering.

The ocean engineering department announced its new program last month, while the Course XVI and I programs were announced recently. These departments are following the pattern set by the Department of Electrical Engineering and Computer Science, which started its MEng program last year.

These MEng programs are designed for undergraduate students looking for a one-year graduate program. Neither of the MEng programs will replace the existing Master of Science degrees which usually require two years.

The Course XVI MEng program "is a structured Masters program emphasizing multidisciplinary instruction, product design, and a design thesis," said Professor Earl M. Murman, head of the Department of Aeronautics and Astronautics.

By enrolling in the MEng program, the students "are now introduced to a different educational

experience than now exists at MIT, and if well-prepared, can complete their degree in one academic year," Murman said.

In the MEng program, the student will be required to take five aerospace engineering disciplinary subjects (three graduate and two H-level), a math subject, a subject on Aerospace Product Design, and a 12-unit design thesis.

"The MEng and SM offer complementary options for graduate students. The MEng is focused on design and the SM on research," Murman said.

The department expects 20 students next fall, Murman said. According to a survey distributed to about 800 potential applicants at MIT, Stanford University, and the University of Michigan, about half of the 237 students that replied said that they would prefer the MEng program over the SM. The admission requirements of the MEng program are substantially the same as the SM degree.

The students are expected to be self-supporting or will have other financial support such as fellowships, company sponsorships, or student loans.

The Civil and Environmental Engineering MEng program was developed to respond "to an identi-

fied need for a first professional degree appropriate to individuals inclined to immediately enter professional practice," said Professor Rafael L. Bras '72, who heads the department.

"We look at the MEng program as a terminal degree," said Professor Patricia A. Dixon, head of the department's personnel administration.

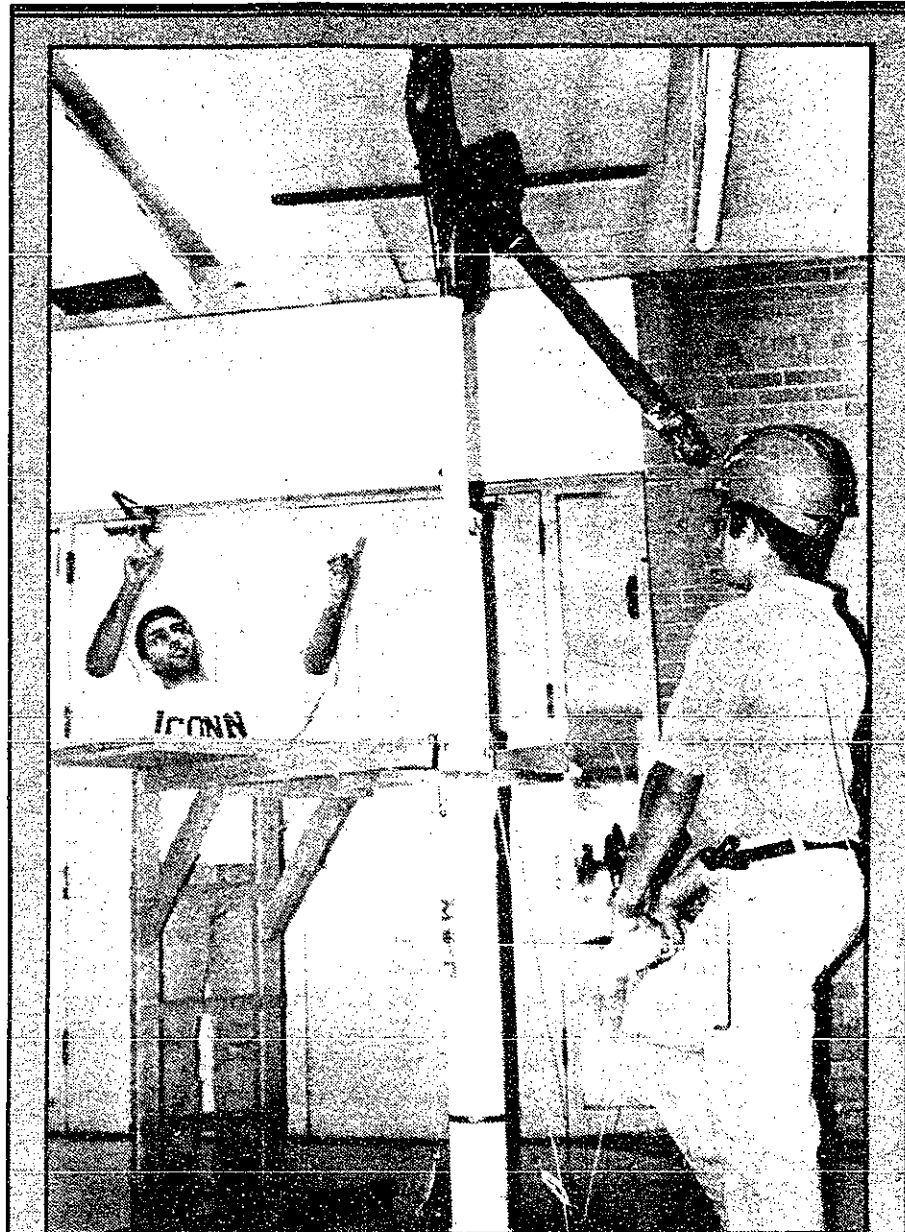
No restrictions are placed on the pursuit of a PhD program after the completion of the MEng program, although it is usually expected that the student will work after completion, Bras said.

About 20 students are expected to enroll next fall, Bras said. Admission requirements for the Course I MEng program will be similar to that of the SM program, with the exception that an engineering background will be required.

This is a program "designed to build on the background of engineering students for particularly, but not uniquely, our own undergraduates," Bras said.

The MEng program consists of seven conventional subjects, three project/thesis subjects, and an individual thesis. All of the students will first take "Concepts of Engi-

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Members of Design Projects (2.73) Blue Team, Dany A. Chell Saliba '95 (left) and Luis Baerga-Varela '95 (right), demonstrate a working prototype of a wallboard installation machine on Wednesday to the 2.73 staff in Building 56.

RICH FLETCHER—THE TECH

Funded UROPs Fall Due to Higher Costs

By Fenney Kwan

The number of students with paid Undergraduate Research Opportunities Program projects will be cut in half this year as a result of government regulations that increased the cost of hiring students by more than 60 percent, said Norma G. McGavern, director of UROP.

McGavern estimates that at least 800 people will have paid UROPs this school year, extrapolating from this term's number of paid UROPs. Last year, more than 1,600 people had paid UROPs.

New federal regulations require MIT to charge overhead to UROP salaries, increasing the cost of hiring a UROP by about 60 percent, McGavern said. Because UROPs cost more, many faculty cannot

afford to take as many students as they did last year, McGavern said.

The new regulations also require MIT to charge faculty for employee benefits. McGavern originally expected employee benefits to cost an additional 44 percent, but MIT created a special benefits category for students that costs only 6 percent.

Of the paid UROPs for this school year, McGavern hopes that 500 UROPs will be paid by faculty advisers from their grants and 300 from the UROP Office.

Summer funded UROPs to fall

McGavern estimated that the number of UROPs will drop next summer to about 300, from 939 last summer. Last summer's UROPs

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Media Lab Hosts Symposium

By Sarah Y. Keightley
EDITOR IN CHIEF

The Media Laboratory hosted a symposium called "Digital Expression" yesterday that featured artists, including Peter Gabriel and Quincy Jones, scientists, including the founder of Atari, and business and government leaders.

Sen. Edward M. Kennedy also made a surprise appearance at the conference's reception.

The purpose of the day-long event held mainly in Kresge Auditorium was "to explore the future of creative expression in the face of new technology," according to event organizers Professor of Media Arts and Sciences Neil A. Gershenfeld, Professor of Computer Science and Engineering Michael J. Hawley PhD '93, and Professor of Media Arts and Sciences Tod Machover.

"There is a very real possibility that we are witnessing the beginning

of a technologically mediated arts renaissance, engaging everyone in the process of creation," the organizers said in a press release.

"The real question is not whether this will happen — because it will — but whether we can summon the technological, conceptual, and imaginative vision, along with the courage and stamina, to push this revolution far enough, to make it rich and substantial for all," the organizers said.

The day was divided into four sections: Active Meaning, Artistic Appliances, Infrastructure for Creativity, and Really Interactive.

Television correspondent John Hockenberry emceed the events.

Two themes which were emphasized throughout the day were that everyone should have access to the information superhighway and that artistic content is still separate from technology.

"We can't create a generation of information haves and have nots," Jones said.

The conference "started off kind of slow, but it got pretty interesting," said Pratip K. Banerji '96.

Several issues discussed

During the Active Meaning session, rock musician Peter Gabriel, theater, opera, and film director Peter Sellars, performance artist Laurie Anderson, and Machover spoke.

"Artistic Appliances" included presentations by founder of Atari Nolan Bushnell, Stanford University Professor of Music Max V. Mathews ScD '52, Vice Chairman of Imax Corporation Douglas Trumbull, and Gershenfeld.

Mathews, one of the founders of computer music, sees computers as

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Faculty Discuss MEng, Missing Paragraph

By Daniel C. Stevenson
NEWS EDITOR

At Wednesday's regular meeting of the faculty, Dean of the Graduate School Frank E. Perkins '55 made a motion to establish two new Master's of Engineering degrees. Following discussion of the programs, President Charles M. Vest postponed the vote on the motions until next month's meeting.

The agenda also included a report on the Reserve Officers Training Corps policy on homosexuals and the solution to a mystery surrounding a missing paragraph in the *Rules and Regulations of the Faculty*.

Representatives from the Department of Aeronautics and Astronautics and the Department of Civil and Environmental Engineering made presentations about the proposed MEng degrees.

A similar proposal by the Department of

Ocean Engineering was approved by the faculty at last month's meeting. The Department of Electrical Engineering and Computer Science has had an MEng degree since last year.

The MEng degrees represent "precisely the kind of leadership that MIT should be taking in its engineering programs," Vest said.

Because of the "fundamental" nature of the changes proposed in the MEng programs, Vest decided to hold over the vote on the motions until the November meeting. "We want to be sure we maximize discussion of this around the Institute," Vest said.

Assuming the motions are passed by the faculty, they will be forwarded to the Corporation for final approval, Perkins said.

The missing mystery paragraph concerning the scheduling of exams was supposed to be included in section 2.11 of the 1993 edition of

Rules and Regulations of the Faculty, according to Professor of Physics Robert L. Jaffe, chair of the faculty.

The omission was discovered by Associate Dean for Undergraduate Academic Affairs Margaret S. Enders and Professor of EECS Harold Abelson PhD '73, who were "the real heroes of this detective story," Jaffe said.

Abelson was interested in scheduling an evening exam for a class he taught and consulted Enders, who works with the Committee on the Undergraduate Program. Enders answered Abelson's question with a 1991 document from the Committee on Academic Performance outlining the evening exam policy.

Due to an ambiguity in the document, Abelson asked Enders for clarification from the *Rules and Regulations*. Enders was unable to

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WORLD & NATION

DOE Unveils 'Revolutionary' Lighting System

THE WASHINGTON POST

WASHINGTON

The Department of Energy Thursday unveiled what it called "a revolutionary 21st century" lighting system that uses a bulb of sulfur bombarded by microwaves to produce bright illumination resembling sunlight—and does so at a fraction of the cost of many conventional systems.

The prototype lamp, invented by a Rockville, Md., start-up company called Fusion Lighting Inc. and developed under contract to DOE, consists of a closed quartz sphere filled with an inert gas and a tiny amount of sulfur. One golfball-sized sulfur bulb, when irradiated by the kind of compact microwave generator found in ordinary kitchen ovens, puts out as much light as hundreds of high-intensity mercury vapor lamps.

Commercial products are not expected until some time in 1995, and the first applications are likely to be used in lighting extensive outdoor and indoor spaces such as shopping centers, aircraft hangars and factories. Illuminating such areas now costs the United States approximately \$8 billion per year, Ervin said.

Atomic-Bomb Exhibit Now Has Anti-War Groups Up in Arms

THE WASHINGTON POST

WASHINGTON

Veterans groups are pleased with recent changes and the promise of more in the script for the Smithsonian Institution's planned exhibit marking the 50th anniversary of the dropping of the atomic bomb on Japan. But revisions intended to mollify one set of critics appear to have energized others with a different point of view.

Representatives of 17 peace organizations, arguing that the exhibit should renew its focus on the suffering the bombs caused, wrote the director of the Smithsonian's National Air and Space Museum on Wednesday to protest the script changes.

And some anti-war activists are also planning to hold a sidewalk demonstration at the museum with photographs of the victims of Hiroshima and Nagasaki when the exhibit opens in May.

Responding to criticism from those who viewed the exhibit as too sympathetic to Japan, the Smithsonian announced three weeks ago it would overhaul the script. It acted after two marathon meetings with representatives of the American Legion, the nation's largest veterans group.

The museum sent its latest "interim script" last week to the Legion and other military organizations that had charged that earlier scripts portrayed the Japanese as innocent victims of racist Americans determined to avenge the attack on Pearl Harbor.

The planned exhibit, titled "The Last Act: The Atomic Bomb and the End of World War II," is to include the forward fuselage of the Enola Gay, the B-29 Superfortress that dropped the bomb on Hiroshima Aug. 6, 1945. A second bomb was dropped on Nagasaki on Aug. 9 by Bock's Car. The war ended Aug. 14.

Mexico Probe Unravels Amateurish Assassination Plot

LOS ANGELES TIMES

MEXICO CITY

All Carmelo Herrera Gomez knew when his lover summoned him to meet a well-connected businessman at a cheap Mexico City hotel last June was that it involved "a matter of a lot of money."

When he got there, according to Herrera's sworn testimony released Thursday, he learned he would have to kill for it.

The target: Jose Francisco Ruiz Massieu. The reward: Nearly \$100,000.

At the prodding of his girlfriend, Herrera agreed. It wasn't until several days later, Herrera stated, that he learned his prospective target was no less than the second-ranking official in Mexico's powerful ruling political party.

According to the latest testimony made public, that was the second time the alleged masterminds of a killing that rocked the Mexican nation last month were burned by hired guns who skipped town with their money. And it was the latest evidence that the political aides and underworld figures now charged with plotting Ruiz Massieu's murder here on Sept. 28 were amateurs, at best.

WEATHER Regatta Hope!

By Marek Zebrowski

STAFF METEOROLOGIST

After a long stretch of brilliant weather these next few days will test our mood and patience as an unsettled weather takes up residence directly overhead. A weak surface low over eastern Long Island is going to move very slowly northeastward throughout Friday and, according to the latest indications, will stall over Cape Cod on Saturday. As this system creeps toward the Gulf of Maine on Sunday some hope for improvement in local weather conditions is on offer, just in time to cheer the Head of the Charles participants!

Today: Cloudy with periods of rain. Light southeasterly winds wind veer to northeast by midday. High 62°F (17°C).

Tonight: Cloudy and damp with scattered showers, drizzle and fog, especially near the coast. Low 51°F (10°C).

Saturday: Mostly cloudy with a continued chance of rain and drizzle. Some breaks may develop late in the day well away from the coast. High 59°F (15°C).

Sunday: Becoming partly cloudy with a threat of showers late in the day. Continued mild with highs in low to mid 60s (16-18°C) and lows around 45-50°F (7-10°C).

Scientists Claim Los Angeles More Prone to Earthquakes

By Robert Lee Hotz and Kenneth Reich

LOS ANGELES TIMES

LOS ANGELES

The Southern California temblor in January, the costliest U.S. earthquake since 1906, measureably rearranged more than 1,900 square miles of metropolitan Los Angeles, leaving portions 2 feet higher than before, according to a wide-ranging report released today.

The severe shock — now reassessed at 6.7 magnitude — also forced scientists to revise their estimates of the seismic hazard facing the densely inhabited suburbs of metropolitan Los Angeles.

In the most comprehensive assessment so far, the scientists of the U.S. Geological Survey and the Southern California Earthquake Center say that people in the Los Angeles area should expect at least one earthquake every year of magnitude 5.0 or more for the foreseeable future. There is a 45 percent likelihood of another aftershock of the Jan. 17 Northridge quake above magnitude 5.0 by the end of next July.

The scientists said that, with almost 100 faults in the Los Angeles area known to be capable of a magnitude 6.0 or greater earthquake, emergency planners must recognize that urban earthquakes cannot be considered rare. Over the long run, contractors should expect that homes and buildings might be subjected to severe ground shaking — at the extremes of the stresses considered in present building codes — several times in the structure's lifetime.

"The full extent of the urban corridor from San Bernardino through Los Angeles and northwest to Santa Barbara is at risk from both the thrust faults (like Northridge) and the San Andreas fault, and the two risks are comparable," the scientists said.

Accordingly, the scientists suggested "that the northern Los Angeles region faces one of the greatest seismic hazards in Southern California."

The report's conclusions, report-

zone that we are sitting on. This is an incredibly complex web of faults underlying all of Los Angeles — more complex than we thought."

The entire Los Angeles Basin is becoming more seismically active, and the data from the Northridge quake reinforced the expectation that the area should continue to experience at least one 5.0 temblor or greater every year.

Although many minor controversies are still unsettled, the scientists reached agreement on the temblor's

"The northern Los Angeles region faces one of the greatest seismic hazards in Southern California."

ed in Friday's issue of the journal Science, represent an unusual scientific consensus on the events of Jan. 17, when 61 people were killed, 9,253 injured and more than 20,000 left homeless.

The Northridge quake produced the most severe ground motions ever recorded in a North American city, giving researchers their best close-up look at a thrust quake. After evaluating their findings, the scientists concluded that such devastating shaking should be considered the norm near any large thrust earthquake.

"There was a debate over what happens when you are right on top of an earthquake," said Lucile M. Jones, a USGS seismologist who led the team that prepared the report. "That argument is over."

The Northridge earthquake, Jones said, "really rammed home the nature of the complicated fault

major lessons relatively quickly — barely nine months after the earthquake.

In part, the researchers reaped the benefit of the large number of sensors that lace the region to record subtle ground motion and changes in position, experts said. They also were able to evaluate their conclusions quickly, in part due to computer communications on the Internet, which enabled researchers on distant campuses to share the latest findings.

The earthquake left more than 3,000 buildings unsafe for habitation, but the scientists blamed much of that damage on faulty construction and inadequate building inspections.

Even simple cost-effective safety measures, such as securing computers, lights, water pipes and bookcases, could save billions of dollars in future earthquakes.

U.S., Britain Reaffirm Resolve To Oppose Iraqi Troop Buildup

By Julia Preston and Thomas W. Lippman

THE WASHINGTON POST

The United States and Britain told Iraq Thursday that they will use military force to stop any new buildup of Iraqi troops south of the 32nd parallel, U.S. and British diplomats said.

In separate but nearly identical diplomatic notes, the two allies drew the geographic line to define the northern edge of a 150-mile-deep zone in southern Iraq in which they will not tolerate reinforcements, warning they will "respond appropriately and decisively" to any new influx.

U.S. officials said Ambassador K. Madeleine Albright told her Iraqi counterpart, Nizar Hamdoun, that the messages mean Iraq should expect major military action against any additional troops dispatched into the area, which lies just north of Kuwait.

In setting a geographic boundary and making explicit the threat of military action, the United States and Britain appeared to take the confrontation with Iraq significantly beyond the U.N. Security Council resolution passed Saturday in response to Iraqi troop movements in southern Iraq that appeared to threaten Kuwait. That resolution warned Iraq against any strengthening of its military might near the border but drew no geographic line and contained only a general warning of "serious consequences" if Iraqi troops were reinforced.

The vague language was a concession by the United States to France and Russia, which feared that the council might be going too far in infringing on President Saddam Hussein's ability to deploy his armed forces within his own coun-

try.

The two countries sent Thursday's message to ensure that Baghdad has "no misunderstanding" about Saturday's resolution, a U.S. official said. "We have made it clear we would not wait to use very strong military force," he added.

The two Iraqi Republican Guard divisions whose rapid movement southward sent thousands of U.S. troops scurrying to the Persian Gulf region two weeks ago are now north of Baghdad, senior Pentagon officials said. The six Iraqi army divisions remaining south of the 32nd parallel are "not currently in a threatening posture," a senior officer said at a Pentagon briefing, but Iraq remains capable of assembling a force that would be a potential danger to Kuwait "absent a credible deterrent."

With "the threat ameliorated somewhat," the Pentagon canceled further deployments of U.S. troops to the region, said Air Force Lt. Gen. Howell M. Estes III, operations director for the joint staff.

A second brigade of the 24th Mechanized Infantry division from Fort Stewart, Ga., already heading for Kuwait, will go ahead, Estes said, but additional Marine units, Air Force B-52 bomber squadrons and a second Navy aircraft carrier battle group that had been alerted to head for the Persian Gulf will not go.

Pentagon officials said the total U.S. troop commitment in or around Kuwait will level off at about 36,000, including 12,000 ground troops. Planners at the military's Central Command in Tampa, Fla., are discussing how long the troops will have to stay, Pentagon officials said.

France was conspicuously absent

from Thursday's warnings. This was taken as a sign that important differences persist among the key allies from the 1991 Persian Gulf War, in which Saddam's invasion forces were routed and driven out of Kuwait.

In negotiations in recent days, U.S. and British diplomats were not able to agree with France on a common message to Baghdad. But French officials said their U.N. ambassador, Jean-Bernard Merimee, met Tuesday with Iraqi Deputy Prime Minister Tarik Aziz in New York to reaffirm that France supports the terms of the Security Council resolution in general.

The 32nd parallel is already the northern border of a "no-fly zone" in southern Iraq, over which the allies have banned Iraqi warplanes. The zone is jointly patrolled by the United States, Britain and France, which has 12 Mirage and Jaguar fighter jets stationed in the region for the operation. But it appeared that France will not join in patrols targeted against movements of ground troops.

The U.S. and British messages demand that Iraq immediately withdraw from the southern zone all troops that were not positioned there before Sept. 20. The United States regards the pattern of Iraqi deployments before that date as "non-hostile," a U.S. official said. About 30,000 troops in three regular divisions were based in the south before the crisis, and those can stay, U.S. officials said.

The United States also said in its message that the gulf coalition "will not remain indifferent to the use of military force to repress" Kurds in the north of the country and Shiite Muslims in the south, a U.S. official said.

Clinton Signs Education Bill At Noontime Rally for Kennedy

By Susan Page
NEWSDAY

FRAMINGHAM, MASS.

The noontime rally at Nevins Municipal Hall Thursday looked like a sort of joint rescue effort, with battered President Clinton and beleaguered Sen. Edward M. Kennedy offering praise for each other's achievements, scorn for their critics and predictions that their political fortunes were about to turn.

"Until the last few days, this had the earmarks of an unusual election where people were in danger of voting against what they're for and for what they were against because of the inordinate success of our opponents in talking things to death and confusing things," Clinton declared to the hoots and cheers of a partisan crowd that chanted, "Six more years!"

Kennedy, a liberal lion and 32-year Senate veteran, got good news Thursday with publication of a Boston Herald/WCVB-TV poll that showed him building a 10-point lead over Republican Mitt Romney.

Clinton, too, seemed buoyed by the enthusiastic receptions he received during a two-day swing to New York and Massachusetts after

weeks of being avoided by some Democratic candidates in states where his popularity has sagged. And he brought more than rhetoric to the Bay State: He signed a \$60 billion, five-year education bill that Kennedy had been instrumental in getting enacted into law.

In a speech held in the John F. Kennedy Gymnasium at Framingham High School, Clinton declared that the measure had passed Congress "in a bipartisan fashion for all the children of this country." A half-dozen Democratic members of Congress and a single Republican — Sen. Jim Jeffords of Vermont — watched as the president sat at a scarred school desk and signed the new law.

For his part, Romney discounted the idea that Clinton's appearance would make much difference. "Most Democratic candidates in the country are cutting the president's coattails into parachutes and getting as far away as they can," he said.

But Clinton's new combativeness reflected some feeling in the White House that Democratic prospects were looking a little brighter in the Nov. 8 midterm elections. Some aides say a string of for-

eign policy successes — the return of President Jean-Bertrand Aristide to Haiti, the nuclear agreement with North Korea and the pullback of Iraqi troops from the Kuwaiti border — had helped bolster his standing.

A Wall Street Journal-NBC News poll published Thursday showed the president's approval-disapproval rating at 48 percent to 43 percent, a turnaround from the 44 percent to 48 percent rating he had received just a month earlier.

Clinton's aides also said the president was determined to try to make his case on domestic policy to a skeptical public.

"Twenty-one months ago, you sent me to Washington to try to change this country," Clinton told the political rally, listing as his accomplishments efforts to cut the deficit, create jobs and fight crime. "I come here to tell you that we've still got a long way to go, but America's in better shape than it was 20 months ago."

Kennedy agreed. "When we reelect old Kennedy to the Senate," he told the crowd, "we're going to start on 1996 to elect Bill Clinton."

Haitians Await Better Times, Aid

By Douglas Farah
THE WASHINGTON POST

PORT-AU-PRINCE, HAITI

In this dusty, windswept wide spot in the road, there is no running water, electricity or health care. There is a school, but it has no chairs, desks or books. People from several villages gather here twice a week for a market, but since there is little money, little is bought or sold.

All Haiti is waiting to see what happens now that President Jean-Bertrand Aristide has been restored to power. But it is in the hundreds of villages like this one 30 miles northwest of the capital that the ambitious task of reviving the hemisphere's poorest country will be most severely tested.

Since Aristide returned Saturday, Haiti almost overnight has become the largest recipient of U.S. aid in the Western hemisphere. An international plan to rebuild Haiti's economic and political infrastructure pledges \$550 million in international aid in the next 12 months, with \$195 million of that coming from the United States. The total foreign aid package for the next five years is estimated at about \$1.2 billion.

The task, as described by the U.S. Agency for International Development (AID), starts with building a viable economy in a nation of 7 million whose long legacy of poverty was made worse during the past year by an international

trade embargo. Now, Haiti's statistics paint a daunting picture: Half the children under 5 years old are malnourished; infant mortality is almost 11 percent, the highest in the hemisphere; only 25 percent of adults can read or write; unemployment in urban areas is 70 percent; social structure is virtually nonexistent. Almost 20 percent of the money allocated for the first year — \$95 million — will go to basic feeding programs to try to keep people alive at a subsistence level.

But, also as described by AID, the Clinton administration declares it also has set out to promote a solution to the political and social problems that have afflicted Haiti over the years, preventing establishment of a durable democracy.

But how deeply AID and other international organizations will be involved in Haiti's internal workings in coming years is seen simply by looking at the section headings in the briefing book on where the money will be spent: debt arrears, job programs, democratic governance, civilian police, administration of justice, government operations, elections, economic recovery.

While the U.S. aid is available immediately, much of the rest of the money, which will come from international lending agencies such as the World Bank and International Monetary Fund, will take several months to kick in.

Expectations, both in Haiti and abroad, are running high for quick, visible changes, but the expectations could prove too high in a nation emerging from three years of terror and devastation at the hands of brutal military rulers, coupled with economic devastation worsened by international trade sanctions.

"We have a very narrow window of opportunity here," the economist said. "Interest in Haiti won't last forever ... Either we get our act together now and use the next two years, or we monkey with politics and the whole thing will foid."

The people here and in surrounding hamlets try to eke a meager living off the arid, windswept land that seems to yield mostly cactus and dust. Many had part-time work at a flour mill an hour's walk away, but the mill closed because of the embargo. The clinic run by missionaries also closed because of the embargo, residents said, leaving the closest medical facility a two-hour hike away, in the town of Cabaret.

Beyond the immediate economic tasks, the town's social fabric has been torn in recent years by the repression, and no one seems capable of mending it. There are no functioning courts or law enforcement agency.

Israeli Cabinet Seals Gaza, W. Bank

By Mary Curtius
LOS ANGELES TIMES

JERUSALEM

Responding to Wednesday's deadly bombing of a Tel Aviv bus, the Israeli Cabinet on Thursday ordered the West Bank and Gaza Strip sealed indefinitely, a move the Palestinian self-governing authority immediately denounced as an act of "economic and social war."

The nation was plunged into mourning as families buried 14 of the 19 Israelis killed in the bombing. One Dutch tourist also died. Drivers for the Dan Bus Co., whose No. 5 bus was incinerated in the attack, kept their headlights on all day as they traveled their routes, a gesture of solidarity with the victims.

And by Thursday afternoon, a videotape began airing on Israel Television of the man who is believed to have carried out the attack.

In the videotape, Salah Abdel-

Rahim Hassan Souwi Nazal, 27, who carried a briefcase packed with explosives aboard the No. 5 and is thought to have blown himself to bits in the bombing, bade farewell to his friends and family. Nazal cradled an Israeli-made Galil rifle in his arms as he somberly addressed the camera.

The neatly dressed man said that he wanted to avenge the deaths of three Hamas militants killed by Israeli soldiers on Oct. 14 in the army's failed attempt to rescue an Israeli soldier kidnapped by Hamas. The kidnapped soldier, Nachshon Waxman, and another Israeli soldier were killed in a raid on the West Bank house where Waxman was held.

Nazal also said that his brother had been killed by Israeli soldiers during the Palestinian uprising, or "intifada," that erupted in the Israeli-occupied West Bank and Gaza Strip in December, 1987.

The army put Qalqiliya, Nazal's

West Bank hometown, under curfew and said it would demolish the home of Nazal's family, even though a survivor of the bombing who sat behind the suspected attacker told Israeli Radio she did not believe the man in the videotape was the one on the bus.

The curfew and demolition appeared to be the government's first show of force in what Israeli Prime Minister Yitzhak Rabin has promised will be a war against Hamas.

Addressing the nation Wednesday night, Rabin said that he did not want the security forces hampered by the guidelines of the Landau Commission when dealing with Hamas. The commission devised guidelines several years ago for security forces to use "limited physical pressure" in the course of interrogations, in situations where lives could be saved by obtaining information from a suspect.

China to Conduct Just 'A Few More' Nuclear Tests

LOS ANGELES TIMES

BEIJING

China plans to conduct "a few more" underground nuclear tests during the next two years, or at least until an international test ban treaty is reached, a senior official in the foreign ministry said Thursday.

The official, who has an extensive background in arms-control negotiations, also said that China is interested in pursuing a proposal by U.S. Secretary of Defense William Perry that it substitute computer simulation for nuclear tests. However, he said, the computer simulation procedure, while an attractive idea among the five major nuclear powers, faced likely opposition from non-nuclear countries who view it as another form of nuclear proliferation.

Perry, who visited China earlier this week, said in a news conference Tuesday that he had discussed with senior Chinese officials "ways of eliminating the need for testing (that) had to do with computer simulation techniques."

The American defense secretary set as one of the objectives of his four-day visit, which ended Wednesday, to dissuade the Chinese from further nuclear testing.

Since Oct. 5 of last year, the Chinese have conducted three underground nuclear tests, breaking a moratorium observed by the four other major nuclear powers — the United States, Great Britain, France and Russia. The most recent blast, estimated at between 40 and 150 kilotons, took place at China's remote Lop Nor testing ground in Xinjiang Province on Oct. 6.

Judge Limits Media Access To Simpson Jury Selection

LOS ANGELES TIMES

LOS ANGELES

After days of debating how to protect prospective jurors from publicity about the O.J. Simpson murder case, Superior Court Judge Lance A. Ito elected Thursday to shut down some public access to jury selection, a move that drew immediate criticism from civil libertarians and legal experts.

Following Ito's decision, the judge joined defense attorneys and prosecutors behind closed doors and continued the questioning of prospective jurors, interviewing 18 and excusing six of them. Ito refused to release transcripts of the closed session Thursday, though he left open the possibility that news organizations could renew their requests for the documents.

According to a court spokeswoman, Ito said he only meant to exclude the press and public from individual questioning of the current group of 80 or so prospective jurors about their exposure to media, including a newly published book about Nicole Brown Simpson that has greatly irritated Simpson's lawyers and the judge.

Rock Cocaine Manufactured For Sting Operation

LOS ANGELES TIMES

SANTA ANA, CALIF.

Southern California authorities have been manufacturing rock cocaine for a police department's undercover operations targeting neighborhood drug buyers, including those in an area near a middle school.

Defense attorneys on Thursday mounted a legal challenge to halt the practice, considered extremely risky by many law enforcement officials.

For the past 18 months, police in Santa Ana have sought special court orders to make hundreds of sales, Police Chief Paul M. Walters said. Powder cocaine seized in Santa Ana drug busts is taken to the Orange County Crime Laboratory, where it is cooked into rocks, also known as crack cocaine. It is then sold in \$10 and \$20 pieces.

Walters acknowledged that reintroducing drugs to the streets is somewhat unorthodox, but he said no one has been injured. Police said some buyers have ingested the rocks before they could be arrested, but Walters said there have been no reports of buyers suffering ill effects from swallowing the substance. And he said undercover officers have tried to avoid sales to juveniles.

During processing at the crime lab, the individual rocks are coated with a special dye that causes any part of the body touched by the drug to glow when later illuminated under a black light. That helps police identify suspects who swallow the drugs or try to drop them.

O'Leary to OK \$1.1 Billion Laser For Nukes Research

LOS ANGELES TIMES

WASHINGTON

A controversial proposal to build a \$1.1 billion laser for nuclear weapons research at the Lawrence Livermore National Laboratory, located east of San Francisco, will receive formal approval Friday by Energy Secretary Hazel O'Leary.

O'Leary is scheduled to announce the OK to begin design work for the laser facility in a speech at the lab Friday afternoon, ending months of anxious waiting by scientists on a decision that is seen as crucial to the future of Livermore.

The laser, which will rank as one of the largest defense or energy research programs of the next decade, is intended to insure the safety and reliability of the Pentagon's stockpile of weapons by allowing bomb designers to probe the interior of nuclear explosions.

Known as the National Ignition Facility, the laser will be larger than a football stadium and powerful enough to create a brief thermonuclear fire. The laser experiments would substitute for underground nuclear tests, which the U.S. ended in September 1992 and which are likely to be permanently banned under a future international treaty.

The Energy Department's intention to locate the project at Livermore signals that the lab will probably have a key role in nuclear research, even though its weapons work has eroded considerably since the end of the Cold War.

OPINION

UESA, MIT Need Another Smith

The imminent resignation of Dean for Undergraduate Education and Student Affairs Arthur C. Smith will be greatly felt by the entire MIT community, particularly students. His intimate understanding of MIT and his unflinching faith in the abilities — both good and bad — of MIT students, together built an unspoken bond of trust between students and the Institute.

In Smith's own words, he was never one to "manage" students; rather, his philosophy centered around the belief that

Editorial

MIT students should take responsibility for their own lives and actions, that education from a "skinned knee" was preferable to being walked by the hand. A more noble philosophy of student affairs is difficult to imagine.

As much as his own philosophy centered around students, Smith was able to successfully manage a staff with a variety of professional backgrounds and diverging personal philosophies. Chief among his accomplishments was the successful merger of the Undergraduate Education and the Student Affairs offices into something of a coherent whole. The achievement is particularly notable in an era of tightening budgets and changing administrative priorities.

MIT is now challenged with finding another leader for an

organization whose administrative reach extends from Residence and Orientation Week through Commencement. MIT will likely not undertake a search so important to undergraduate life until the selection of the next President. The provost, with a soon-to-be-appointed advisory group, will face the daunting task of finding an individual with the character and vision to set the direction of undergraduate life at the Institute for years to come.

Of particular concern is the current merger of the undergraduate education and student affairs organizations. As a universally well-regarded member of the faculty, Smith was uniquely suited to fill the position of dean for both entities. Whether MIT can enlist someone of that caliber to encompass such a broad spectrum of responsibilities remains to be seen. In the appointment of the new dean, the future of the joint Undergraduate Education and Student Affairs Office should be carefully considered.

In the final analysis, MIT students should not expect a new dean for undergraduate education and student affairs to be another Art Smith. We can only hope for someone who shares his philosophy and can strive to meet his high standard of leadership and admirable commitment to students.

Letters To The Editor

15.301 Survey Results Should Be Public

Every year after a few weeks, my mailbox starts to get swamped with Managerial Psychology Laboratory [15.301] forms. These surveys were interesting the first year but disillusion quickly sets in.

Last year, being very tired of them, I actually answered them randomly (I own a fine collection of dice), and asked the following question: Why are the results of these surveys never made public?

I believe that people would participate much more if they knew that they would have access to the results eventually. It would then be possible for students to produce work that is more than a class project but is actually of interest to the whole community.

Patrick M. Piccione '95

Turkish Allegations Are Exercise in Absurdity

Imagine reading that Hitler, after invading and occupying Poland in 1939, had started going around giving fiery speeches on "Polish fascism." Imagine watching Saddam Hussein on CNN, fresh from the invasion and capture of Kuwait, blasting about "Kuwaiti fascism." How would you have felt? Would you have felt infuriated by the unmitigated insolence of

such allegations? Or, would you have rather burst into hysterical laughter at their blatant absurdity?

Now please stop imagining and let us bear with the facts. Cyprus is a tiny nation. In comparison, Turkey is about 70 times bigger, both in area and in population. In 1974 Turkey invaded Cyprus with a toll of 5,000 dead, 1,600 still missing, 200,000 refugees, out of a total population of 600,000.

The Turkish invasion in Cyprus has been internationally and repeatedly condemned by the Security Council of the United Nations, the European Commission on Human Rights, and numerous national governments. Today, 20 years after the invasion, the Turkish army still occupies the northern part of the island, keeping 30,000 troops permanently stationed there.

In "Infinite Corridor Posters Push Fascism for Cyprus" [Oct. 14], Kerem Limon '97, Levent M. Talgar '97, and members of the Turkish Students Association here at MIT have had the gall to accuse Greek Cypriots, the same people whose women were raped and whose homes were seized and are still being occupied, by the Turkish army of "Greek fascism."

Readers can decide for themselves whether to feel sorrow, rage, or sheer amusement upon reading such blatantly absurd allegations. As for myself, may I kindly recommend to the authors the name of another publication where articles of such nature might enjoy better

appreciation? It is called *The National Enquirer* and is available at fine supermarkets and grocery stores in your area.

Chrysanthos N. Dellarocas G

Greek Community Hurt By Turkish Students' Allegations

The Greek and the Cypriot communities of MIT are surprised and grieved by the unfair and unfounded allegations that appeared last week in *The Tech*. The authors of the column ["Infinite Corridor Posters Push Fascism for Cyprus," Oct. 14] and the author of the letter to the editor ["Bulletin Board Offensive to Turkish Cypriots," Oct. 14] collectively cite only one source to support their arguments: the Bulletin of the Ministry of External Affairs of Turkey.

Unlike them, I will present the facts about the Cyprus issue based solely on impartial, international sources.

In 1974 Turkey invaded Cyprus. Countless are the human rights abuses committed by the invading army in its ethnic cleansing effort. A report by the European Commission of Human Rights (July 1976), concludes that the Turkish invasion army is responsible for numerous killings and rapes of civilians and the displacement of more than 170,000 (more than 25 percent of the island's population) Greek-Cypriot refugees.

The Turkish invasion of Cyprus was immediately condemned as an illegal act of international aggression by the world community. In Resolution 353, adopted the day of the

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ERRATUM

The headline "Cyprus Posters Show That Greek Fascism Is Still Alive," which appeared over the jumped portion of the column "Infinite Corridor Posters Push Fascism for Cyprus," [Oct. 14] was composed by the editorial staff and did not represent the views of the authors.

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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.

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

Letters to the editor are welcome. They must be typed, double-spaced and addressed to *The Tech*, P.O. Box 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 4:30 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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Letters To The Editor

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invasion (July 20, 1974), the United Nations Security Council, discounting all Turkish allegations, "Calls upon all States to respect the sovereignty, independence and territorial integrity of Cyprus," and, "Demands an immediate end to foreign military intervention in the Republic of Cyprus that is in contravention of the provisions of paragraph one above."

Less than a month later, Turkey violated the Security Council's resolution, breached the cease-fire, and continued its aggression. This prompted resolution 360 (Aug. 16, 1974) in which the Security Council "records its formal disapproval of the unilateral military actions undertaken against the Republic of Cyprus."

Not only did Turkey not comply with the

Security Council's resolutions, but six months later threatened to annex the occupied part of Cyprus. This policy was condemned in Resolution 367 (March 12, 1975) where the Security Council "regrets the unilateral decision of 13 February 1975 declaring that a part of the Republic of Cyprus would become 'a Federated Turkish State.'"

Despising the expressed opinion of the world community, the Turkish threat was realized in 1983, with the proclamation of the "Turkish Republic of Northern Cyprus" prompting yet another international condemnation. In Resolution 541 (Nov. 18, 1983), the Security Council "deplores the declaration of the Turkish Cypriot authorities of the purported secession of part of the Republic of Cyprus" considers it "as legally invalid and calls for its withdrawal." Once again, Turkey insulted the international community by disre-

garding this decision.

Today, 20 years after the invasion, more than 1,600 people, many of them U.S. citizens, are still missing. This summer, in order to address this continuing human rights abuse, the U.S. Congress felt compelled to adopt a bill entitled "An Act to provide for an investigation of the whereabouts of the United States citizens and others who have been missing from Cyprus since 1974" (HR 2826). As of now, Turkey has not responded to this initiative.

The adjective "fascist" is unacceptable when used against a country that shed so much blood fighting against fascism. Let's not forget that the Greek casualties during World War II exceeded 5 percent of the population (this death toll was the highest among the Western allies) while Turkey was comfortably "neutral." If it wasn't harassing, the use of the

word "fascism" by the Turkish propaganda would be amusing.

The Cypriots wish to live in peace on their island. The UN has repeatedly insisted that no solution to the Cyprus problem can be achieved unless all countries "respect the sovereignty, independence, and territorial integrity of Cyprus." It is clear that the issue at hand is the Turkish aggression against the Cyprus Republic and the continuing occupation of part of the island by Turkish troops. The issue at hand is the bullying tactics of Turkey, which despises the world community and defies the UN resolutions.

This is what the posters that grieved the guest columnists were all about. Maybe my reiterating of the UN resolutions will also be considered "malicious" and serving "no positive cause."

Thanassis Tjavaras G

Turkey's Cyprus Policy Has Faced UN Condemnation

Guest Column by Spyros Maragos

The goal of an exhibit in the Infinite Corridor a few weeks ago was to remind the MIT community about the ongoing ordeal of the island of Cyprus that followed the Turkish invasion during the summer of 1974.

Without wishing to incite nationalist passions, the posters highlighted the mere fact of the invasion of Cyprus, the problem of the 1,600 people missing in action that are to this very day unaccounted for, the tragedy of 200,000 displaced refugees, the fact that Nicosia is the only city in Europe that is still divided, and the illegal status of the presence of a Turkish occupation army on 37 percent of Cypriot soil.

The guest column by Kerem Limon '97 and Levent M. Talgar '97 ["Infinite Corridor Posters Push Fascism for Cyprus," Oct. 14] as a response to the exhibit, was given disturbing titles loaded with aphorisms that I prefer to refrain from commenting on. I will comment though on what they called "the alleged Turkish invasion."

Numerous resolutions adopted by the Security Council and the General Assembly of

the United Nations (more than 15) dispel any doubts as to the character of such an invasion. They all condemn both the Turkish invasion of Cyprus and the continuing presence of the occupation army as illegal acts of international aggression. In addition to the UN, other international bodies of similar stature, like the European Parliament, have voiced their opposition to the continuing drama of the people of Cyprus. In plain English, the international community has characterized the Turkish invasion of Cyprus as no less a crime than the invasion of Kuwait by Iraq.

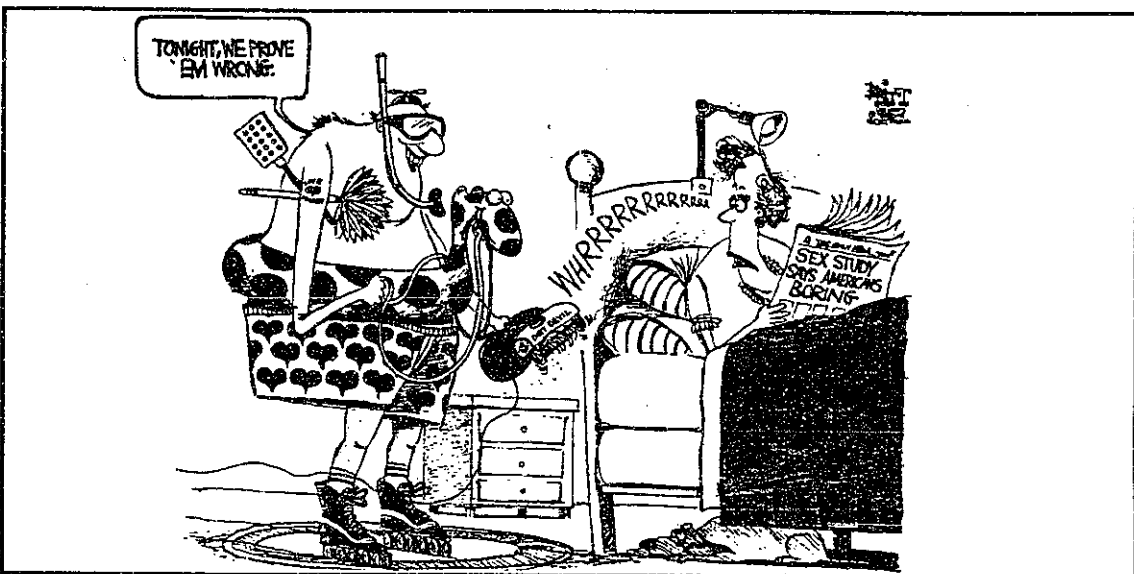
What makes the invasion of Cyprus more hideous is the fact that Turkey is much bigger than Iraq, and Cyprus is even smaller than Kuwait. Despite the directives of the international community, the invasion of Cyprus has not been dealt with as decisively as the invasion of Kuwait. The oil of Kuwait is evidently a more precious commodity for the West than the olive-oil of Cyprus.

In the face of the unanimous international condemnation, the Turkish side deploys the conjured threat of "Enosis" (or annexation of Cyprus to Greece), to counterbalance the directives of the international community for

the unification of the island. Limon and Talgar write that " 'Enosis' is a policy of the Greek Cypriots which emerged in the late 1940s as a combination of the influence of the extreme communist groups in Greece and Cyprus; and the consistent propaganda of the fascist factions in the Greek army and the extremists in the Cypriot community."

In the late 1940s Greece was entangled in a devastating civil war, the aftershocks of which were still felt a generation later. The elected government of Greece was facing a communist insurgency that took four years and the assistance of Great Britain and the U.S. to put

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Turkey's Actions in Cyprus Show Disregard for UN

Maragos, from Page 5

down. It is highly unlikely that the two adversaries cooperated and created grandiose nationalistic plans for Cyprus, a British colony at the time, while they were waging a fierce civil war amongst themselves. While the authors accuse Greece of a "fascist policy," which was "calling upon the unification of the island with Greece," let's not forget that the country occupying 37 percent of the Republic of Cyprus is not Greece, but Turkey.

Limon and Talgar were "amused" by the vision of a unified Nicosia (the divided capital of Cyprus) and a unified Cyprus. I imagine they are equally amused by Resolution 541 adopted by the Security Council of the UN in 1983 that "Calls upon all States to respect the sovereignty, independence, territorial integrity and non-alignment of the Republic of Cyprus." Judging from Turkey's behavior over the last 20 years, I am afraid that the international law and the UN resolutions are equally amusing to Turkey.

Limon and Talgar claim that "In the Cyprus case, we are dealing with different ethnic groups who at no point in their history have shared a single independent and democratic nation status." That could not be further from the truth.

The Republic of Cyprus gained its independence in 1960 and until the Turkish invasion of 1974 the two communities coexisted, however imperfectly, in the framework of the Republic of Cyprus. The constitution provided that the post of the Vice President of the Republic and several posts of the cabinet be reserved for Turkish Cypriots. It is also true

that the two communities were, by and large, living side by side and it took an ethnic cleansing that displaced almost 200,000 refugees, for the two communities to become segregated.

Limon and Talgar finish their article with a crescendo about the 21st century, democracy and tolerance. Such sweet talk is reminiscent of the official Turkish rhetoric, which seems to hold little weight with Amnesty International.

AI expresses its concern about Turkey, in a 1992 report, in the following way: "Successive Turkish governments have been profuse in

their public statements and gestures which have been aimed at deflecting international criticism with respect to human rights abuses. However, little has been done to actually stop the practice in Turkish jails and prisons. People are still being tortured or ill-treated and allegations of extrajudicial executions continue to rise."

Such harsh criticism of Turkish attacks on civil and ethnic rights are made even without consideration of the current eradication of the Kurdish population in the eastern provinces of Turkey. Less than 20 days ago, the Turkish army burned down 13 Kurdish villages if we

believe Associated Press, or 17 villages if we choose to believe Reuters.

Turkey invaded Cyprus 20 years ago. It hopes that with the passing of time, this aggression will be forgotten, the UN will stop producing resolutions condemning their violations of international law, and that the international community will accept the division of Cyprus as a *fait accompli*. This process can only be reversed by the efforts of the Cypriots to inform the international community and present the factual truth about the Cyprus issue. Is this what disturbs Limon and Talgar?



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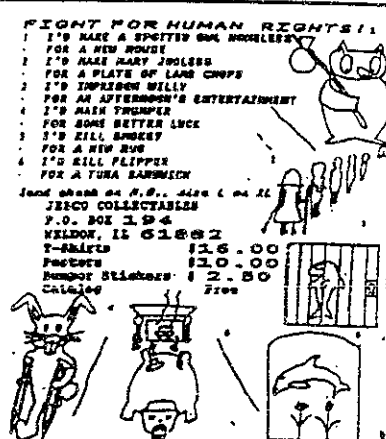
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Turkish Students Misinterpreted Infinite Corridor Posters

Guest Column by Christoforos Hadjicostis

As a Greek Cypriot, I was greatly offended and deeply saddened to see the false accusations presented by Kerem Limon '97, Levent M. Talgar '97, and the Turkish Students Association ["Infinite Corridor Posters Push Fascism for Cyprus," Oct. 14] taking place in public in a highly intellectual environment such as that of MIT.

Unlike Limon and Talgar, I am not a person who likes to use flashy words. I do not believe in politics (my country and I personally have suffered greatly because of politics), and I will not propagandize or try to argue. I don't have to. The facts of my life tell the story as it is. Usually, I do not like to talk about them, but I find the accusations so unfair that I feel forced to.

In 1974 when I was five, my family and I, just like 150,000 other Greek Cypriots, were forced by the Turkish army to migrate from the northern to the southern part of Cyprus. We took nothing with us other than the clothes that we were wearing. In one day we lost everything that we owned. At the age of 45, my father and mother had to start their lives over again with three small children, no house, no land, and absolutely no property. Now, 20 years later, I say these facts very casually, but please take a second to think about the harshness of them.

At the age of 20, I came to study at MIT.

In its diverse environment, I had the opportunity to meet people of various nationalities, and I learned to accept and respect their points of view and their customs. In particular, I met a lot of Turkish people and I became friends with many of them. It was hard in the beginning, knowing that their army had thrown my family out of its own house, but I realized that they were not the ones responsible and that in many ways their customs and ways of living resembled my own. In fact, now one of my best friends is Turkish.

At this point in time, the opinion of most Greek Cypriots and the official policy of our government is close to my beliefs. We believe that all Cypriots (Greek and Turkish) should be able to live together in a unified Cyprus. The Turkish troops should leave the island and all refugees should be able to return to their homeland. Indeed, this was the message inferred by the Infinite Corridor posters. They were reminding the students of MIT that the "status quo" in Cyprus, despite what some people think, is NOT a solution chosen by the people of Cyprus, but a "solution" imposed on them by the Turkish military forces.

However, it seems that Limon and Talgar (and members of the Turkish Student Association) were either too blind and too fanatic to acknowledge what the posters expressed, or perhaps they deliberately misinterpreted them so that they could devote themselves to useless propaganda and to misleading and false

accusations about "Greek fascism" in Cyprus. With the vague and, under other circumstances, amusing statement: "We were shocked and just as much disappointed to find that the contents of the board were mostly centered upon the ideas and assertions of 'Enosis' (they never explained what the fascist contents of the board were — unless it is fascist to be a refugee and to want to live free in your own country), they started a two page propaganda about "fascism" in Cyprus.

The word "Enosis" that so angered Limon and Talgar was merely mentioned as a historical fact in an article that included a brief history of Cyprus. However, the posters were clearly talking about the unification of Cyprus (not the "Enosis" of Cyprus with Greece), about the refugee problem, and about the fact that for 20 years now there have been Turkish troops in Cyprus. Whether these troops invaded Cyprus or not is not that relevant right now. The fact is that the troops have been in Cyprus for 20 years now and that they should leave. Cyprus is an independent country, a member of the United Nations, and needs no patronizing from Turkey or any other country.

I have deliberately avoided dwelling upon the politics of the past, neither because I have no answers to the propaganda of Limon and Talgar nor because I feel guilty of what they accuse me of. I think it is very easy to get carried away and get fanatic or start propagandizing. It is not my purpose to do that. Besides,

that is not the point. Just like the rest of the Greek Cypriots, I think it is time for the new generation to forget about the past and to start looking into the future. As we enter the 21st century, I think it is time that Greek and Turkish Cypriots live together in their country.

Perhaps Limon and Talgar are not very familiar with the situation in Cyprus. They publicly accuse a whole nation (including a number of MIT students) of being fascists. Their accusation is not only false, but it is also irrelevant. I think that such propaganda and such lies are unacceptable in the MIT community.

If Limon and Talgar were amused by what Greek Cypriots think is a solution to the Cyprus problem and if they have their reasons to believe that this solution is impossible, they should have tried to express their opinion without putting words in our mouths.

Everybody, even the Greek Cypriot community, has a right to an opinion and those who do not respect the opinions of others are to be blamed. Creating such a false impression about what the posters portrayed and libeling the Greek Cypriot and Greek community is unacceptable. Limon and Talgar have only one thing to do: Publicly apologize to the Greek students at MIT about their false accusations. Perhaps in the future they can try to hold their temper too, so that they can understand what posters convey.

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CS First Boston, a leading global investment banking firm, will be recruiting for its financial analyst program. Positions are available in the Investment Banking, Portfolio Strategies, Mortgage/Real Estate Products, and Mortgage Financial Engineering Groups Departments. All Seniors are invited to attend a presentation.

Presentation:

Tuesday, October 25, 1994

Room 4-149

7:00 p.m.

Interviewing Schedule:

Investment Banking

January 23, 1995

Portfolio Strategies

January 23, 1995

Mortgage/Real Estate Products

January 23, 1995

Mortgage Financial Engineering

January 23, 1995

For further information and inquiries, please contact:

Ed Ellison

Investment Banking

(617) 556-5703

Karyn Dobin

Portfolio Strategies, Mortgage/Real Estate Products,

Mortgage Financial Engineering

(212) 322-7758



CS FIRST BOSTON

THE ARTS

Book gives background, suggestions for job hunting

MASTERING (AND SUCCEEDING WITH) THE JOB HUNT

Compiled by Christy Lane.
MasterCard International.

By Ed Kohler

What makes the job search today different from five years ago? How has networking become an important part of finding a job? What's an electronic resume? How do you approach the task of deciding exactly which professional field to enter?

A new book about job hunting in the '90s will help students answer these questions and plan their career path sooner rather than later. *Mastering (and Succeeding with) the Job Hunt*, published by MasterCard International, includes information, figures and facts on finding a job in today's market.

The book provides background on what professions are "hot," salaries, and researching companies. According to this book, the number of academic majors that are most in demand are those in the fields of science and technology. Biology and biological sciences, chemical engineering, chemistry, civil engineering, computer engineering, computer science, electrical engineering, industrial engineering, and medical technology make up most of the list.

The book also provides helpful hints on not only breaking into our fields, but how much we can expect to earn when we complete school. And when we do finally achieve the position, *Mastering (and Succeeding with) the Job Hunt* teaches us as students about credit and how to live within our means.

Before we get ahead of ourselves, we need to learn about technological breakthroughs such as sending an electronic resume, as well

as buzz words and phrases for personalizing cover letters and resumes. This book highlights the importance of creating and utilizing a network of contacts and references.

I found this book to be useful and informative. It provided me with what I thought to be crucial information for sending out cover letters and resumes. After reading this book I felt much more comfortable in interviews, and I was a lot more confident of what I said. This book has helped me through the job hunting process, and it has helped me to get several offers.

This book introduced me to many aspects of the job hunt that I was not aware of. The electronic resume and the buzz words associated with good cover letters and resumes were by far the most important things that I learned.

"The '90s job hunt may be very different than it was ten years ago, but there are things students can be doing to prepare themselves,"

said Nancy Hemenway, vice president of MasterCard International. "As part of our ongoing commitment to help young people achieve their personal and financial goals, this book gives students a multitude of useful information in one source to help them conquer the job search, from people that understand their situation — other students."

This 142-page book began over two years ago when MasterCard sponsored the American Marketing Challenge in which it became obvious that looking for a job is a major concern for college students. *Mastering (and Succeeding with) the Job Hunt* is written by 10 students from some of the best universities in the United States. These students have already gone through the treacherous job hunt; but with a book like this, we don't have to.

ON THE SCREEN

— BY THE TECH ARTS STAFF —

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

★★½ Exit to Eden

Garry Marshall (*Pretty Woman*) directs this screen adaptation of Anne Rice's novel, which deals with a fantasy sex resort. The principal characters in the book are Dana Delaney's dominatrix and Paul Mercurio's citizen/slave, and their story describes the trust that can develop in a mistress-slave relationship. The film deflects much of the novel's themes through two police officers (Rosie O'Donnell and Dan Aykroyd) who investigate the activities of diamond smugglers who have infiltrated the resort. This comic element pro-

vides some minor amusement, but it also confuses the main plot. This film is an interesting cultural study: Cute and friendly, it makes fun of social repressions while allowing the viewer to indulge in one or two of the ubiquitous sex acts. — Teresa Esser. *Loews Cheri*.

★★★ Natural Born Killers

Oliver Stone's latest film focuses on a marauding couple (Woody Harrelson and Juliette Lewis) whose sensational mass-killing spree catapults them into the national spotlight. Their lives are consequently exploited by a TV tabloid journalist (Robert Downey Jr.), a sadistic cop (Tom Sizemore), and a somewhat dimwitted prison warden (Tommy Lee Jones). All elements of justice and the media machine are represented as cartoonish

caricatures, which degenerate as the film goes on: The main problem is the director's somewhat hypocritical attitude that fails to recognize that he is part of that same machine. The main attractions in the film are the hyperkinetic performances of the cast members, the excessive violence, and the bizarre, rapid-fire editing of picture and sound — all of which Stone executes brilliantly. By the end of the film, audiences will either revel its visual audacity or deplore its apparent lack of message. — Scott Deskin. *Loews Fresh Pond*.

★★★ Only You

This is an amusing, enjoyable film for people who haven't given up on old-fashioned romance. Exploiting Italy as a romantic locus, this film recalls a film like *Roman Holiday*.

Marisa Tomei is Faith, a quirky schoolteacher who takes off to Italy with her best friend on the eve of her wedding. Faith is determined to track down a soul mate named Damon Bradley, a name she obtained from a Ouija board as a child. This far-fetched premise leads her to the land of midnight walks, gondoliers, and opera, where she encounters Peter (Robert Downey, Jr.), who immediately falls for her. The rest of the film unfolds in a similar fashion, although it's not as predictable as you might think. Tomei, in the tradition of Audrey Hepburn and Ava Gardner, is extremely engaging as Faith, and director Norman Jewison brings a light touch to the American-Italian relations just beneath the

Screen, Page 9

Undergraduates are cordially invited to attend an

information session on career opportunities in

Public Finance at Lehman Brothers.

Thursday, October 27, 1994 at 7:00 PM

Student Center, Mezzanine Lounge

LEHMAN BROTHERS

ON THE SCREEN

— BY THE TECH ARTS STAFF —

Screen, from Page 8

film's surface. — Evelyn Kao. *Loews Copley Place.*

★★★★ Pulp Fiction

Winner of the *Palm d'Or* at this year's Cannes Film Festival, this movie combines standard plots of hit men, junkies, and criminals, with an amazing facility with storytelling. The story consists of three principle stories: first, the daily experiences of two hit men (John Travolta and Samuel L. Jackson); second, Travolta's character involved with his gangster boss's wife (Uma Thurman) as an escort; and third, the plans of a boxer, who has been paid off to take a dive in the ring, instead choosing to win the fight and take off with the money and his girlfriend. Although these *film noir* concepts may seem a bit cliché, writer-director Quentin Tarantino infuses his characters with crackling dialogue and a sense of purpose (i.e., Jackson's hit-man character quoting bible verses as a prelude to execution). Tarantino's career may still be young, beginning with the cult hit *Reservoir Dogs* (1992) and recently surfacing in his scripts for *True Romance* and *Natural Born Killers*, but his latest film confirms his mission to shake up the current course of cinema. — Rob Marcato. *Loews Cheri.*

★★★★ Quiz Show

The quiz-show scandals of the 1950s forced America to probe the changing face of morality. Robert Redford directs this fresh look at television and honesty in an age of illusions and image-making. Excellent performances by Ralph Fiennes and John Turturro, as quiz-show contestants Charles Van Doren and Herbert Stempel, make this reality-based drama worth the contemplation and dissection of ethical issues amid the phoniness of television. — Craig K. Chang. *Loews Copley Place.*

★★★★ The Shawshank Redemption

This extraordinary movie about hope,

friendship, and renewal in the face of suffering in life is much more heartfelt than its title suggests. Tim Robbins embodies the classic protagonist in Andy Dufresne, a banker who is imprisoned for two murders he swears he did not commit, and he is forced to face the abrasive reality of prison life. He eventually comes out of his shell and cultivates a friendship with Red (Morgan Freeman), whose connections inside the prison provide a neat counterpart to Andy's own talents as a financial planner, which he eventually exploits to get on the good side of the prison guards. Through all of Andy's suffering in prison, he never loses the hope of being free, and this carries both Andy and Red through the tough times. This film transcends its short-story basis (originally written by Stephen King) with excellent performances and artful direction — it has "Oscar" written all over it. — John Jacobs. *Loews Copley Place.*

★½ The Specialist

The latest film in a long line of testosterone-dominated action flicks has a lot more going for it than its plot. It's a movie of moments, whether the scenes marvel at the modern-day sensitivity and chivalry of explosives expert Ray Quick (Sylvester Stallone) or succeed in evoking weak *Basic Instinct*/femme fatale parallels with the female lead, May Munro (Sharon Stone). Everyone on camera is ideal — at least physically — with Stone dressed in black and perfectly coiffured for the pivotal explosion scenes and Stallone hardly breaking a sweat in his confrontations with the bad guys. The plot, which concerns Quick being lured out of retirement for some of Munro's personal revenge killings, is secondary to the spectacle of normal action-movie exploits: violence and sex. You can love it, but you don't have to watch it. — TE. *Loews Cheri.*

★★★★ Schindler's List

Director Steven Spielberg triumphs in this historical drama about Oskar Schindler (Liam Neeson), who was responsible for saving the lives of more than a thousand Jews during the

Holocaust. Shot almost entirely in black and white, the film takes you to the Poland of the late '30s and early '40s. Neeson is great, carefully portraying the slow change from a man who only cares about money to one who only cares about saving lives. Ben Kingsley perfectly plays Itzhak Stern, Schindler's Jewish accountant who cunningly sidesteps Nazi offi-

cials. Ralph Fiennes portrays the unswervingly-loyal Amon Goeth, the Commandant of the Nazi labor camp. Through Fiennes the audience is able to witness the hatred, brutality, and widespread death. Overall the movie is incredibly powerful, and brings to light one of the darkest periods of human history. *LSC Saturday.*



Sharon Stone plays sultry femme fatale May Munro, who seduces Sylvester Stallone's character in the sensual thriller, *The Specialist*.

FRESH CHEESE

a world-premiere screening

Go to a **FREE** screening of a
the T.V. show that cuts cheesy
really bad movies and make wisecracks. See it now before it spoils.



brand-spanking new episode of Mystery Science Theater 3000,
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ROOM 10-250

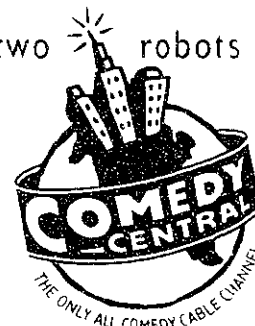
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INTERVIEW
WITH THE
VAMPIRE
THE VAMPIRE CHRONICLES



Classical Music

Longy School of Music

Edward Pickman Concert Hall, 27 Garden St., Cambridge. All events free unless otherwise noted. Information: 876-0956 x130. Oct. 21, 8 p.m. Pianist Luise Vosgerchian presents a solo recital featuring works by Shapero, Beethoven, Mendelssohn, and Schumann. Oct. 24, 10 a.m. Pianist Luise Vosgerchian presents a masterclass. Oct. 26, 7 p.m. Violin masterclass with concert master of the Chilean National Symphony, Alvaro Gomez, violinist. Oct. 27, 8 p.m. The Longy Chamber Orchestra, conducted by Sophia Vilker, will perform works by Nordgren, Arnold, Schnittke, and Mahler.

Bank of Boston Celebrity Series

Jordan Hall, New England Conservatory, Boston. Oct. 21, 8 p.m. Admission: \$27-\$33. Information: 482-2595. The Beaux Arts Trio, a world-renowned chamber ensemble, will perform works by Mozart, Shostakovich, and Dvorak.

Symphony Hall, Boston

Oct. 23, 3 p.m. Admission: \$30-\$40. After a 20-year absence, the Philadelphia Orchestra returns to Boston. Program includes works by Brahms, Strauss, and Schumann. Oct. 26, 8 p.m. Admission: \$10-\$25. The Century Orchestra Osaka, Japan's newest orchestra, will make its debut in Boston performing works by Schoenberg, Bartók, and Dvorak.

All Newton Music School

321 Chestnut St., West Newton. Oct. 22, 9:30 a.m. Admission: \$6. Information: 527-4553. "Historical Journey through Music of the String Quartet," this week featuring the baroque period.

Isabella Stewart Gardner Museum

280 The Fenway, Boston. All performances begin at 1:30 p.m. Admission (in addition to museum admission, see *Museums* below): \$4, general; \$2, members/seniors/students. Information: 566-1401. Oct. 22: New England Conservatory Wind Ensemble. Oct. 23: Gardner Chamber Orchestra.

MIT Guest Artist Series

Kresge Auditorium, 84 Massachusetts Ave. Oct. 22, 8 p.m. Free admission. Information: 253-4523. The Brentano String Quartet, an emerging young ensemble in residence at New York University will perform works by Kurtag, Mozart, and Debussy.

The Boston Cecilia

Jordan Hall, New England Conservatory, Boston. Oct. 23, 3 p.m. Admission: \$10-\$27; student/senior group discounts available. Information: 232-4540. A program of cantatas, movements of which were later extracted and altered by Bach for use in the B Minor Mass.

Museum of Fine Arts

Remis Auditorium, 465 Huntington Ave., Boston. Oct. 23, 3 p.m. Admission: \$13-\$17. Information: 369-3300. Daniel Stepten and Laura Jeppesen of the Boston Museum Trio, along with baritone David Ripley and organist Peter Sykes, present the music of Buxtehude, Bruhns, Biber, and Bach.

Boston University School for the Arts

Admission: Free. Information: 353-3349. Tsai Performance Center, 685 Commonwealth Ave., Boston. Oct. 24, 7:30 p.m. Prof. Lukas Foss presents a lecture entitled "A Twentieth Century Composer's Confessions About the Creative Process." Oct. 25, 8 p.m. Performance by Boston University Chamber Chorus. SFA Concert Hall, 855 Commonwealth Ave., Boston. Oct. 21, 12 noon. Empire Brass Performance Class in Room 167. Oct. 25, 8 p.m. Performance by Boston University Wind Ensemble. Oct. 27, 6:30 & 8 p.m. Guest Artist Sonia Maria Vieira, piano.

MIT Artist-Behind-the-Desk Series

Killian Hall, 160 Memorial Dr. Detailed below in the *Museums* section. All performances start at noon. Information: 253-2826. Oct. 25: Cindy Wooley, flute, performing works by Bolling, Hoover, Muczynski, and Feld; with Paul Hoffman, piano; Tony D'Amico, string bass; Walter Halvorsen, cello. Oct. 26: Julie-Marie Andersen, soprano, performing works by Handel, Fauré, Wolf, Offenbach, and Mechem; with Steven Finch, piano.

Wellesley College

Jewett Auditorium, Wellesley College. Oct. 27, 12:30-1:30 p.m. Free admission. Information: 283-2028. Prof. Robert Levin of Harvard University presents a lecture demonstration called "Improvisation in the Classical Style."

On The Town

A weekly guide to the arts in Boston

October 21 - 27

Compiled by Scott Deskin

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

The Boston Symphony Orchestra's Youth Concert Series

Symphony Hall, Boston. Oct. 26-27, 10 a.m. Information: 266-1492. Program highlights music inspired by famous paintings and includes works by Mussorgsky, Respighi, Wagner, Saint-Saens, and Bartók.

Federal Reserve Bank of Boston

Bank Auditorium, 600 Atlantic Ave., Boston (across from South Station). Oct. 27, 12:30 p.m. Information: 973-3453. Korean pianist Kyu-Hee Kim, a graduate student at the Boston Conservatory of Music, performs works by Debussy, Barber, and Chopin.

MIT Chapel Concert Series

MIT Chapel, 77 Massachusetts Ave. Oct. 27, noon. Information: 253-2906. Jean Dalton, soprano; Thomas Stumpf, organ/harpischord; Dennis Alves, trumpet; John Bumpstead, cello. Program contains works by Bach and Handel.

Tufts University, Department of Music

20 Professors Row, Tufts University, Medford. Oct. 27, 4 p.m. Information: 627-3564. Coffee Break Recitals by students and faculty of the Tufts community, held every Thursday through December.

Popular Music

Kendall Cafe

233 Cardinal Medeiros Way, Cambridge. Admission: varies, see below. Information: 661-0993. Each week's will feature local and national artists including contemporary singer-songwriters, unplugged rock acts, blues and traditional folk. This week's performers: Jabbering Trout, Jamie Notar Thomas, Hamell On Trial, and Don White.

The Middle East

472/480 Massachusetts Ave., Cambridge. Some shows have age limits. Admission: varies; tickets may be purchased in advance at Strawberries, the In Your Ear Northampton Box Office (1-800-THE-TICK), and the Middle East Box Office (Mon.-Sat., 10 a.m.-6 p.m.; call 492-5162 to charge tickets). Information: 497-0576. Oct. 21: Small Factory, IVY, Nana, Ukla, Wicked Swimming Dog (fr. Vancouver) [Upstairs, 19+, \$7]; David Kilgour (fr. New Zealand & The Clean) [Downstairs]; Elixir, Ross Robinson [Bakery]. Oct. 22: Satumine 60, Flying Nuns, Envelope, Weeping in Fits and Starts [Up, 19+, \$7]; Dog Faced Hermans, God is My Copilot, Rhythm Activism, Turkish Delight, Dawson [Down, 19+, \$7]; Great Atomic Power [Bakery]. Oct. 23: Off The Wall Films [Up, 6:45-9:15 p.m., \$5]; Bug Juice CD Release Party, Garden Variety, Pork (fr. Austin, TX), Radio to Saturn [Up, 9:30 p.m., 19+, \$6]; To be announced [Bakery]. Oct. 24: Kammerton, an evening of 18th-century coffee cantatas and chamber music [Down, \$5]; Beck, Doo Rag [Down, 9:30 p.m., \$8-10]; Union Label [Bakery]. Oct. 25: Penis Fly Trap Book Release Party, King Caesar, Underball, Gutwrench [Up, 19+, \$6]; Dave Alvin (fr. The Blasters), Swinging Steaks, Trucker [Down, 19+, \$9-10]; Agona Hardison [Bakery]. Oct. 26: Die 116, La Gritona, God Mammass, Gin Mill (fr. NYC) [Up, 19+, \$6]; To be announced [Down/Bakery]. Oct. 27: Rent Control Benefit [Up, Down, and Bakery].

U.S. Air Force Band of the Rockies

Boston University's Air Force ROTC hosts two concerts: Oct. 25, 7:30 p.m. at George Sherman Union, 775 Commonwealth Ave., Boston; and Oct. 26, 7:30 p.m. at Sanders Theatre, Quincy and Kirkland Streets, Cambridge. Free



The music line-up at this year's College Fest Way More Weekend (October 22-23 at the Hynes Convention Center) offers a great mix of exciting live music all weekend including the band Love Spilt Love.

admission. Information: 353-4705. Performances feature favorite selections from stage and screen, the Big Bands, and John Philip Sousa.

Jazz

Aardvark Jazz Orchestra

Harvard Epworth Methodist Church, 1555 Mass Ave., Cambridge. Oct. 22, 8 p.m. Admission: \$8. Information: 253-8778. A performance of improvised music that draws on influences from free jazz, contemporary New Music, world music, and others. The evening will also feature "Music and Texts" by Craig Ellis, Peter Bloom, and Jay Keyser, poet-musicians.

The Mall At Chestnut Hill

Route 9 at Hammond Pond Parkway, Chestnut Hill. Live Jazz during weekends in October, 2-4 p.m. Oct. 22: Totem Pole band-leader pianist Bob Bachelder, featuring Nancy Carr. Oct. 23: Pianist Jimmy Neil, with Al Henderson, bass and James Wilcher, drums.

Wellesley College

Jewett Auditorium, Wellesley College. Oct. 23, 8 p.m. Free admission. Information: 283-2028. Valerie Capers, jazz piano; John Robinson, bass; Earl Williams, drums.

World Music

Jamaica Plain Firehouse Multicultural Art Center

659 Centre St., Jamaica Plain. Oct. 21, 8-10 p.m. Admission: \$8. Information: 524-3816. The Firehouse Cafe, open Friday nights, features an eclectic mix of music, words, art, and performance. This week, guitarist Joe Morris celebrates his new Soul-note release, *Symbolic Gesture*. His trio features Nate McBride on acoustic bass and Curt Newton on drums. Also, a "Bagels 'n Bop" performance will be held Oct. 23, 11 a.m.-2 p.m.: Eric Johnson Trio, with Bob Nieske on bass, will perform.

MIT Brazilian Students Association Dupont Gymnasium, 77 Massa-

chusetts Ave. Oct. 22, 9:30 p.m. Admission: \$22, general; \$12, students (limited number of student tickets). Tickets and information: call Rodrigo Galvao, 225-7274. The event features Paralamas Do Sucesso, one of the biggest bands in Brazil, mixing tropical rhythms with rock. Songs performed in Spanish as well as Portuguese.

Film

MIT French Film Festival

77 Massachusetts Ave., Rm. 54-100. Free admission. Information: MIT Foreign Languages & Literatures Program; 253-4711. Oct. 21: *Kung Fu Master* (Agnès Varda, 1988), 7 p.m.; *La Peau Douce* (François Truffaut, 1964), 9 p.m. Oct. 22: *Gueule d'Amour* (Jean Grémillon, 1937), 7 p.m.

Somerville Theater, Benefit Showing

55 Davis Square, Somerville. Oct. 23, 7 p.m., and Oct. 24, 9 p.m. Admission: \$5. Information: 623-9334. Terra Firma Community Support Clubhouse is sponsoring a showing of *Tillicut Follies*, a documentary of the pre-reform mental health institution Bridgewater State Hospital. All proceeds will go to Terra Firma and its mental healthcare programs.

Gay and Lesbian Film Studies at MIT

77 Massachusetts Ave., Rm. 6-120. Oct. 26, 7:30 p.m. Free admission. Information: 253-3599. *Seen Anything Good Lately?* (produced by Peter Lund, Lara Mac, and Tom diMaria, 1994): A specially-edited compilation of sitcoms, dramas, news and talk shows from last year's TV season shows how lesbian, gay, and bisexual representation is expanded. Intro and discussion by MIT professors Henry Jenkins and Tara McPherson.

Comedy Central Presents "Fresh Cheese"

77 Massachusetts Ave., Rm. 10-250. Oct. 27, 8 p.m. Free admission with college ID. The comedy-oriented cable channel, already well known for its spoofs of bad science-fiction films of the 1950s and '60s with "Mystery Science Theater 3000." The film *Zombie*

Nightmare (1986), a largely-forgotten Hollywood bomb starring Adam West (TV's *Batman*) and Tia Carrere (*Wayne's World* and *True Lies*). "Fresh Cheese" t-shirts will be distributed at the screening.

Brattle Theatre

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 Engagements. Oct. 21-22: *Anchoress* (Chris Newby, 1993); 3:30, 5:40, 7:50, 10 p.m. **Directed by Stanley Kubrick.** Oct. 23: *Full Metal Jacket* (Stanley Kubrick, 1987); 4:40, 9:50 p.m. *Apocalypse Now* (Francis Ford Coppola, 1979); 1:45, 7 p.m. **Watching the Detectives.** Oct. 24: *Dangerous Female* (Roy del Ruth, 1931); 5:15, 8:15 p.m. *The Kennel Murder Case* (Michael Curtiz, 1933); 3:45, 6:45, 9:45 p.m. **The Fifty Greatest Cartoons.** Oct. 25: *Cartoon Program IV* (various directors); 4, 6, 8, 10 p.m. **More Recent Raves.** *Mi Vida Loca* (Allison Anders, 1994); 4, 6, 8, 10 p.m. *Reflections on German Cinema.* Oct. 27: *Germany in Autumn* (Rainer Werner Fassbinder, 1978); 3, 7:40 p.m. *The Marriage of Maria Braun* (Fassbinder, 1978); 5:20, 9:55 p.m.

French Library and Cultural Center, Ciné Club

53 Marlborough St., Boston. Admission: \$5, \$4 for members. Information: 266-4351. All screenings are Fri.-Sat., 8 p.m., or Sun., 7 p.m. The Ciné Club presents a retrospective of the career of French actor Jean Gabin, lasting through December. Oct. 21-23: *Le Jour Se Lève* (Daybreak, Marcel Carné, 1938).

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.

Film Photographers. Oct. 22: *The Photographer* (Wilard Van Dyke, 1948); 1 p.m. **The Legacy of Alan Clarke.** Oct. 21: *Christine with Elephant* (Alan Clarke, 1989); 5:15 p.m. *The Firm* (Clarke, 1988); 7 p.m. **Festival of Films from Iran.** Oct. 21: *Day of the Angel* (Behruz Afkani). Oct. 22: *Desert Symphony* (Mohammad-Hossein Haghighi, 1993).

Homage to French Animated Film. Oct. 22: "Fantastic Stories, Tales and Legends," a 100-minute program of ten short fairy-tale films.

Theater Openings

"Avivamiento en Boston"

Strand Theatre, 543 Columbia Rd., Dorchester. Oct. 21-23, 7 p.m. Free admission. Information: 551-3433. The Iglesia de Cristo Elim Church celebrates the move of its national headquarters from Walpole to Boston over its "lively" three-day run.

"Pterodactyls"

Huntington Theatre Company, 264 Huntington Ave., Boston. Oct. 22-Nov. 20: Tue.-Sat., 8 p.m.; Sun., Oct. 23 & 30 and Nov. 13, 7 p.m.; Sat.-Sun. matinees, 2 p.m.; Wed. matinees, Nov. 2 & 16, 2 p.m. Admission: \$12-39; students/seniors, \$5 off. Information (tickets): 266-0800. This off-Broadway play tells the story of an affluent Main Line Philadelphia family as they face the daily challenge of living in the 1990s. Parental discretion for those under 16 years of age is suggested for this adult comedy.

"The Proposal"

Emmanuel Church Library, 15 Newbury St., Boston. Oct. 23 & Nov. 4, 6, 13, 18-20: call for showtimes. Also playing for five performances at Pine Manor College, 400 Heath St., Chestnut Hill (Nov. 8-12). Admission: \$6-15. Information: 695-0659. This performance examines the painfully common condition of people who have lost their ability to love through two Russian one-act comedies: Anton Chekov's *The Marriage Proposal* and contemporary dramatist Nina Sadur's *Git Going*.

"Ages of Women"

Sanders Theatre, corner of Cambridge and Quincy Streets, Harvard Yard, Cambridge. Oct. 27, 7:30 p.m. Admission: \$35 reserved seating with benefit reception; \$20 reserved seating without reception; \$15, general; \$10, students/seniors. Tickets (information): 496-2222. This program of poetry about women follows the phases of a woman's life from childhood through old age, drawn from a wide range of international literary traditions and periods. Poetry includes works by Gertrude Stein, Emily Dickinson, Edna St. Vincent Millay, Alice Walker, and Dorothy Parker.

Ongoing Theater

"Grand Hotel"

Boston Conservatory Theater, 31 Hemenway St., Boston. Through Oct. 23: Fri.-Sat., 8 p.m.; Sat.-Sun., 2 p.m.; Sun. 7 p.m. Admission: \$15, general; \$10, students/seniors. Information: 536-6340. The popular musical melodrama (book by Luther Davis, songs by Robert Wright and George Forrest), directed by Paul Digneault.

"The Philanderer"

The Lyric Stage, 140 Clarendon St., Copley Square, Boston. Through Oct. 23: Wed.-Fri., 8 p.m.; Sat., 5 & 8:30 p.m.; Sun., 2 p.m.; two Thu. matinees, Oct. 13 & 20, 2 p.m. Admission: \$17-26; senior/student/group discounts available. Information: 437-7172. George Bernard Shaw's comedy of advanced ideas conflicting with old-fashioned love, depicting the actions of the title character caught in a romantic triangle.

"Twelfth Night"

Boston Center for the Arts Theatre, 539 Tremont St., Boston. Through Oct. 23: Thu.-Sat., 8 p.m.; Sun., 7 p.m. Admission: \$18.25 on Sat.; \$15.25 all other days. Information: 695-0659. The Coyote Theatre presents a story based on the play by Shakespeare, but newly conceived by writers Rob Hanning and Randy Weiner as a "new, hip-hop, rap musical." The show combines the best of today's popular culture — rap to rave, garage to grunge — with the Bard's celebration of first love.

"The Lisbon Traviata"

Paramount Penthouse, 58 Berkeley St., Boston. Through Oct. 29: Wed.-Sat., 8 p.m.; Sun. matinees, Oct. 16 & 23, 3 p.m. Admission: \$15; \$10 for students; \$25 for gala opening night on Oct. 8, which includes a champagne reception after the performance. Information: 426-3550.

Terrence McNally's "midnight-dark comedy," in which musical highlights infuse a dramatic portrait of passion and jealousy.

"Intoxicating ... an eco-cabaret"
Through Oct. 22 at the Cambridge Multicultural Arts Center, 41 Second St., Cambridge, and Oct. 26-29 at the Arlington Center for the Arts: Wed.-Sat., 8 p.m. Admission: \$17, general (day-of-show); \$15 general (advance); \$8, students/seniors. Information: 643-6916. The Underground Railway Theater presents this original satiric comedy about environmental justice and the foibles of modern society.

"The God of Isaac"
Spingold Theater, Brandeis University, Waltham. Through Oct. 30: Tue.-Wed. & Fri.-Sat., 8 p.m.; Sun., 2 & 7 p.m.; Thu., 10 a.m. Admission: \$7-11. Information: 736-3400. The widely-acclaimed comic and big-hearted tale of a young man's struggle with his Jewish identity.

"The Misanthrope"
New Repertory Theatre, 54 Lincoln St. (close to Newton Highlands stop on the Riverside 'D' Green Line), Newton Highlands. Through Oct. 30: Wed., 2 & 7 p.m.; Thur.-Fri., 8 p.m.; Sat., 5 & 8:30 p.m.; Sun., 3 & 7:30 p.m. Admission: \$14-26. Information: 332-1646. A modern-day adaptation of Molière's play, translated and written by Neil Barlett, this comedy shines with wit and bite. Sexual tensions, explosive egos, and dangerous deceptions simmer to a comic boil in a event-filled evening as troubled Alceste vies for the love of beautiful, unattainable Celimene.

"Bare Essentials"
Dance Complex, 536 Massachusetts Ave., Cambridge. Through Nov. 13: Fri.-Sun., 8 p.m. Admission: \$15; group/student/senior discounts available. Information: 497-7070. Actress-comedian-dancer Daena Giardella returns to Boston in her one-woman show which offers a comic and provocative look at the challenge of being human.

Dance

Meg Wolfe/Wild Angels Unlimited
Green Street Studios, 185 Green Street, Central Square, Cambridge. Oct. 21 and 22, 8 p.m. Admission: \$5-10. Information: 864-3191. Performance entitled "Anticipation of Desire: A Full-Evening Dance Work."

The Bank of Boston Celebrity Series
John Hancock Hall, Boston. Oct. 21 and 22, 8 p.m., and Oct. 23, 3 p.m. Admission: \$28-\$36. Information: 482-6661. Performance by The American Indian Dance Theatre.

The Massachusetts College of Art Tower Series
621 Huntington Ave., Boston. Oct. 25-29, 8 p.m., and Oct. 26, 30, 2 p.m.. Admission: \$15-20; \$12.50 per person for groups of 10 or more. Information: 536-6989. Performance entitled *Swan Pond*, a hip-hop spoof on the classics.

North Atlantic Ballet
Emmanuel Church, 15 Newbury St., Boston. Oct. 27-29: Thu., 7:30 p.m.; Fri.-Sat. 7:30 & 9:30 p.m. Admission: \$13; reservations strongly recommended. Information: 267-5516. North Atlantic Danceart, a division of North Atlantic Ballet, presents its full length production of *Dracula*, which draws inspiration from the Bram Stoker novel but also uses eclectic musical forms and innovative ballet choreography.

Boston Ballet
Wang Center for the Performing Arts, 270 Tremont St., Boston. Through Oct. 30: times vary, call for details. Admission: \$12-62; student rush tickets available a half-hour before showtime for \$12. Information: 695-6950. The company performs *Giselle*, a passionate story of tender love and cruel betrayal, idealized as the pinnacle of the Romantic Ballet Era, first performed in 1841.

Comedy

ImprovBoston
Back Alley Theater, 1253 Cambridge St., Cambridge. Ongoing: Fri.-Sat., 8 p.m.; Sat., 10:30 p.m. Admission: \$10; \$5 with college I.D. Information: 641-1710. The area's longest-standing improvisational comedy group (12 years old) continues with a new season, composed of funny, energetic, creative performers who create

scenes, dialogue, and characters on the spot, based entirely on audience suggestions.

The Comedy Project
Hong Kong Restaurant, Third Floor, 1236 Massachusetts Ave., Cambridge. Ongoing: Fri.-Sat., 9 p.m. Admission: \$10. Information: 247-1110. "The Big-Time Comedy Project Show"; dinner and dancing available. Featured in October: Mike Bent, appearing in his first one-man show, "Halloween Hijinks."

Poetry and Prose

Grolier Poetry Reading Series
Adams House, Entry C, 26 Plympton St., Harvard Square, Cambridge. Oct. 25, 7:30 p.m. Donations requested. Information: 547-4648. L.S. Asekoff and David Ferry read from their most recently published works. Asekoff's *Dreams of a Work* reflects a visionary's metaphysical eye informed byt he minutiae and facts of the present world. Ferry will read from his celebrated version of *Gilgamesh* and his volume *Dwelling Places: Poem and Translations*.

MIT Artists-Behind-the-Desk Series
Killian Hall, 160 Memorial Dr. Detailed below in the **Museums** section. All performances start at noon. Information: 253-2826. Oct. 24: Joel Sloman, poet, in a reading of *Bus Poems*.

Lectures

John F. Kennedy Library Public Forum
JFK Library, Columbia Point, Boston. Free admission; reservations recommended, call 929-4571. Information: 929-4553 or 929-4554. Oct. 23, 3-4:30 p.m. "John Kennedy and the Jewish Community, 1946-1963." Oct. 25, 4-8 p.m. "Ballot Question Bazaar: The Pros and Cons of the Issues to be Decided by Massachusetts Voters in November."

Museum of Fine Arts
Remis Auditorium, 465 Huntington Ave., Boston. Free tickets required for admission and are available at the box office one hour before each program. Information: 267-9300 x300.

An Evening with Lily Tomlin and Jane Wagner
Kresge Auditorium, 84 Massachusetts Ave. Oct. 30, 8 p.m. Admission: \$10, general; \$3 for MIT community members. Tickets may be purchased in advance at the MIT Museum Shop in the MIT Student Center. Information: 258-8410. Comedienne Lily Tomlin and writer/director Jane Wagner, renowned for stage and screen collaborations including the award-winning play *The Search for Signs of Intelligent Life in the Universe*, will discuss aspects of their creative collaborations in response to representatives of MIT's Women's Studies and Theater Arts Programs.

Exhibits

MIT Museum
265 Massachusetts Ave. Tue.-Fri., 9 a.m.-5 p.m.; Sat.-Sun., 1-5 p.m. Free to members of the MIT community, seniors, and children under 12. For all others there is a requested donation of \$3. Information: 253-4444.

"Holography: Artists and Inventors." The Museum of Holography Moves to MIT.
"Crazy After Calculus: Humor at MIT." The history of MIT "hacks."
"Doc Edgerton: Stopping Time." Photographs, instruments and memorabilia documenting the invention and use of the strobe light by the late Harold E. Edgerton ScD '27.
"Light Sculptures by Bill Parker '74." Vivid interactive light sculptures, each with its own personality and set of moods.
"Math in 3D: Geometric Sculptures by Morton G. Bradley Jr." Colorful revolving sculptures based on mathematical formulae.
"MathSpace." Hands-on exploration of geometry is the theme as visitors tinker with math playthings. Ongoing.
"MIT Hall of Hacks." Reopening of the exhibition which chronicles MIT's rich history of wit and wizardry, featuring historic photographs and a fascinating collection of artifacts, including props

used in the recent police-car-on-the-dome hack. Ongoing.

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 *America* 3.
"Permanent Exhibition of Ship Models." Models which illustrate the evolution of ship design from the 16th century through the 20th century.

MIT Presents: Artists Behind the Desk
Concerts and readings held at Killian Hall, 160 Memorial Dr. Through Nov. 4: Mon.-Wed. & Fri., 12 noon-1 p.m. Exhibition held at the Compton Gallery, 77 Massachusetts Ave., Building 10. Through Nov. 4: Mon.-Fri., 9 a.m.-5 p.m.; Sat., 12 noon-4 p.m. A juried arts exhibition featuring the work of 22 MIT Support Staff members. The show will include media ranging from oil paintings to sculptures to quilts. In conjunction with the exhibition, concerts and staged readings will be held in Killian Hall during the month of October. The series, dedicated to the memory of former Vice President Constantine B. Simonides '57, aims to heighten the awareness of the MIT community to the talents of the support staff at MIT.

List Visual Arts Center
20 Ames St. Hours: Tue., Thu. and Fri., 12 noon-6 p.m.; Wed., 12 noon-8 p.m.; Sat.-Sun., 1-5 p.m. Information: 253-4680.

"MRC 50s/90s." Retrospective exhibition of the work of Muriel Cooper, graphic designer and pioneer in the field of design for information-rich electronic environments. Professor Cooper, who died May 26, cofounded and directed MIT's Visible Language Workshop at the Media Laboratory. Her teaching and research focused on how computers can enhance the graphic communication process and, inversely, how high-quality graphics can improve computer systems. Held at the Philippe Villers Experimental Media Facility ("The Cube"). Through Oct. 31.
"Critical Mass." This project commemorates the 50th anniversary of the detonation of the first atomic bomb by using as its theme the actual story of Edith Warner, whose small restaurant at Otawi Bridge in New Mexico became a meeting place for Manhattan Project scientists and local Navajo Indians. Photographer Meridel Rubenstein, videographers Woody and Steina Vasulka, and writer Ellen Zweig incorporate still photographs, video, sculpture, music, and performance to depict the exhibit's serious focus. Through Dec. 18.
"The Ghost in the Machine." The capabilities of digital image-making challenge our assumptions about photography's role in relation to issues of authenticity and reality, while also revealing how sophisticated new technologies allow artists unprecedented freedom in the creation and manipulation of photographic images. Artists in the exhibition employ conceptual art strategies while maintaining a focus on the human form and human condition in relation to identity and social order. Artists include Anthony Aziz and Sammy Cucher, Keith Cottingham, Yoshinoro Tsuda, Jeff Wall, Michael Weyon and Susan Gamble. Through Dec. 18.

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"Roni Horn: Inner Geography." This exhibit comprises drawings and books based directly upon New York artist Roni Horn's experiences in Iceland's preglacial landscape through her frequent visits to that country. Horn incorporates crayon, watercolor, and graphite drawings with literature, photography, and typefaced Icelandic words in her body of work, all of which is on display. Through Dec. 18.

Sloan School Dean's Gallery
50 Memorial Dr., Rm. E52-466. Hours: Mon.-Fri., 8 a.m.-5 p.m. Through Nov. 10. Information: Michelle Fiorenza, 253-9455. "Sculptures by Glen Urban."

Exhibit of works by the dean of the Sloan School of Management.

Rotch Library Visual Collections
77 Massachusetts Ave., Rm. 7-304. Information: 253-7098. Through Dec. 16: "Silent History: Images of Israel," by Emily Corbató, photographer.

The Computer Museum
300 Congress St., Boston. Hours: Tue.-Sun., 10 a.m.-5 p.m. (closed Mondays). Admission: \$7, \$5 for students/seniors, free for members and children four and under; half-price, Sun. 3-5 p.m. Information: 423-6758 or 426-2800 x310.

"The Computer in the Studio." Visitors can explore the provocative, often unexpected, ways artists use computers as creative tools. This first-time collaboration for The Computer Museum in Boston and the DeCordova Museum and Sculpture Park in Lincoln features 100 pieces by 36 New England artists. Artworks at both museums range from stained glass, mosaic, painting, and sculpture to digital collage, interactive installations, virtual reality and animation.



Actress, comedian and dancer Daena Giardella performs in her magical, one-woman tour-de force, *Bare Essentials* through November 13.

Through Nov. 27.
"Tools & Toys: The Amazing Personal Computer™." Over 35 interactive stations illustrating many leading-edge applications enable you to experience virtual reality, pilot your own DC-10 flight simulator, record music, and do much more. Ongoing.
"The Walk-Through Computer™." The world's largest and only two-story model of a personal computer allows you to climb on a giant mouse, operate a larger-than-life keyboard, and watch the actual flow of information within the machine. Ongoing.

Bromfield Gallery
107 South St., Boston. Hours: Tue.-Fri., 12 noon-5 p.m.; Sat., 11 a.m.-5 p.m.; Thur. until 7:30 p.m. Information: 451-3605. Through Oct. 29: "Dancing Woman," collage and photography by M.I. Cake; Sculpture by Mary Mead; and "Ordinary Places," paintings by George Hancin.

Federal Reserve Bank of Boston Gallery
600 Atlantic Ave., Boston (across from South Station). Hours: Mon.-Fri., 10 a.m.-4 p.m. Information: 973-3453. Through Oct. 21: Exhibition by the New England Sculptors Association, with works by 60 sculptors.

Concord Art Association
37 Lexington Rd., Concord. Hours: Tue.-Sat., 11 a.m.-4:30 p.m.; Sun., 2-4:30 p.m.; closed Mondays. Information: 369-2578. Through Oct. 29: "Golden Afternoon," an exhibit of new and recent work.

Newton Free Library Gallery
330 Homer St., Newton. Information and gallery hours: 552-7145. Through Oct. 30: "Faces," paintings by Miriam Ruchames; and "A Falcon, a Storm, or a Great Song," prints, drawings, and watercolors by Eleanor Rubin.

Davis Museum and Cultural Center
Wellesley College, 106 Central St., Wellesley. Hours: Tue., Fri., and Sat., 11 a.m.-5 p.m.; Wed.-Thu., 11 a.m.-8 p.m.; Sun., 1-5 p.m.; closed Mon. Free admission. Information: 283-

2051.
"Bodies and Boundaries, 1500-1800: Works from Wellesley Collections." At the Gerald and Marjorie Schechter Bronfman Gallery: an exhibition of European prints, drawings, books, and maps from three centuries, selected by Wellesley College participants. The works focus on various topics in our evolution and concepts of the body, humanity, gender and sexuality, and ethnic pluralism. Through Dec. 18.
"The Body as Measure." At the Chandler Gallery: the major emphasis on this exhibition is on the meanings of the body's physical form, not of its internal functions. Each artist addresses the body's external characteristics in relation to its social standing or expression of emotion. Through Dec. 18.

Museum of Fine Arts
465 Huntington Ave., Boston. Information: 267-9300.
"Weston's Westons: California and the West." Edward Weston, the first American photographer to win a Guggenheim Foundation Fellowship, pursued what he called

6000.
"Artisans in Silver, 1994." A travelling exhibition of over 80 pieces of finely crafted and unique contemporary pieces of silver, holloware, and sculpture created by members of the Society of American Silversmiths. Through Oct. 30.
"Brockton Present Tense." An exhibit of paintings of paintings and prints of the city of Brockton by local artist Alvin Ouellet. Vivid colors and unique perspectives give the viewer the opportunity to see real beauty in the urban world of Brockton and sense Ouellet's optimistic view of the city. Through Jan. 29, 1995.
"A is for Architect, B is for Building." A hands-on exhibit for young people which explores architecture, guest-curated by Brockton High School architecture drawing teacher Carol Bright. The exhibit includes a scale drawing of the Fuller Museum of Art on the gallery wall with architectural details and several "activity" stations at which visitors will be able to build their own models and draft their own building plans. Through Jan. 29, 1995.

Isabella Stewart Gardner Museum
280 The 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.

The museum, itself an example of 15th-century Venetian palaces, houses more than two thousand arts objects, including works by Rembrandt, Botticelli, Raphael, Titian, and Matisse. Ongoing.
"Art's Lament: Creativity in the Face of Death." An exhibit exploring artists' responses to plagues, including the bubonic plague and its recurrent history of attack in Europe, as well as highlighting the parallels between that plague and today's epidemic of AIDS. Among the 19 artists with works on view are Boccaccio, Durer, Tiepolo, William Blake, Edvard Munch, Robert Mapplethorpe, Robert Farber, and Keith Haring. Through Oct. 23.

Museum of Our National Heritage
33 Marrett 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.
"Shaken Not Stirred: Cocktails Shakers and Design." A variety of cocktail shakers from 1920 to 1960 are presented from the private collection of Stephen Visakay. Approximately 100 cocktail shakers will illustrate aspects of industrial design in 20th-century American decorative arts. Through Oct. 30.

"By a Fine Hand: Quilts from the SPNEA Collection." This exhibition, comprised of 30 splendid quilts from the collections of the Society for the Preservation of New England Antiquities, represents the talent and social climates of 18th, 19th, and early 20th-century New England quilt-makers. Through Dec. 4.
"Grand Illusions: Four Centuries of Still Life Painting." Selections from the MFA's permanent collection, augmented by works on loan from friends of the Museum, trace the origins, emergences, and full flowering of the still life genre. Dutch and Italian masters, Renoir, Gauguin, Millet, Maurice Prendergast, and Stuart Davis will be represented. Through Jan. 1, 1995.
"Sweet Dreams: Bedcovers and Bed Clothes from the Collection." This exhibition of quilts, coverlets, blankets, futon blankets, lingerie and sleeping caps will be drawn primarily from the permanent collection. Asian, Western, Mediterranean, and contemporary designer approaches to the ritual of the bed will be represented. Oct. 21-Mar. 12, 1995.

"Printed Allegories: Dürer to Picasso." This exhibition will feature prints from the museum's permanent collection from the 16th century to the early 20th century that represent allegorical subjects. Some the greatest prints of all time are allegories, including Dürer's *Knight, Death, and the Devil* and Picasso's *Minotaur-machia*. Oct. 26-Feb. 12, 1995.
"The Taste for Luxury: English Furniture, Silver, and Ceramics 1690-1790." This exhibition explores the influences of stylistic developments in the decorative arts throughout the eighteenth century and examines stylistic parallels among the different mediums. Masterpieces of English silver and soft-paste porcelain and pieces of English furniture will illustrate the artistic currents of this period. Through July 25, 1995.

Fuller Museum of Art
455 Oak St., Brockton. Hours: Tue.-Sun., 12 noon-5 p.m. Free admission. Information: 588-

MIT Women's Choral
Thursday evening rehearsals will be held in the Emma Rogers Room (10-340). Open to all women in the MIT/Harvard community; rehearsals are scheduled 7:45-10 p.m., and new members are welcome through October 27. For more information, call Marilyn

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Light Elected UA Floor Leader; Many Run for Council Positions

By Trudy Liu
STAFF REPORTER

Russell S. Light '98 was elected the chief legislative officer of the Undergraduate Association Wednesday night and will head the UA Council as Floor Leader.

Jennifer K. Johnson '98 was elected vice chair.

Cinaway D. Gammon '97, John Kymissis '98, and Kevin J. Lee '97 were elected to three of the four spots on the UA Executive Committee, which decides the issues that come before the UA Council.

There was a three-way tie for the fourth position, which will be filled during a run-off election at the next meeting.

"This was one of the biggest elections for council positions that we've ever had in a long time. The number of people who ran for offices was incredible — four for Floor Leader, five for Vice Chair, and 10 for the four positions on the Executive Committee," said UA

President Vijay S. Sankaran '95.

"There were a lot of freshmen and sophomores, and everyone seemed really enthusiastic about getting involved and discussing issues," Sankaran said.

The first major issue that the council will discuss is the housing policy, Sankaran said. Council members will evaluate the proposals made by the housing committee in a report written at the end of last year.

Proposed changes include building a new dormitory to reduce crowding, renovating the older dormitories, and establishing a student advisory service for housing information.

"These changes will take time, and hopefully by having the UA Council approve something like this, we can make the changes happen soon," Sankaran said.

The UA Council is the legislative branch of the UA, and its members include representatives from each dormitory, the Interfraternity

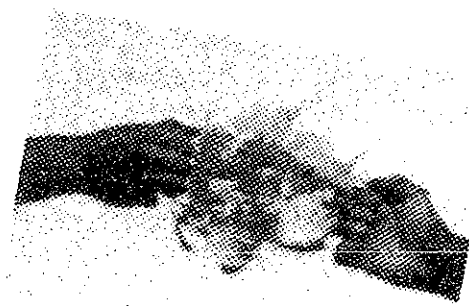
Council, and the president, vice president, secretary, and treasurer of each class.

"When everything gets organized and things are up and running, various UA committees will be formed to deal with issues such as educational policy and social life," Light said.

The educational policy committee will discuss the changes in the grading system that the Committee on Academic Performance is proposing, and the social committee will be responsible for planning campus-wide activities. In addition, a student life committee will deal with issues such as food services, card keys, medical care, and advising.

"UA is and should be a very important organization at MIT. Hopefully we'll be able to influence the decision-making process and represent the views of the undergraduates," Light said.

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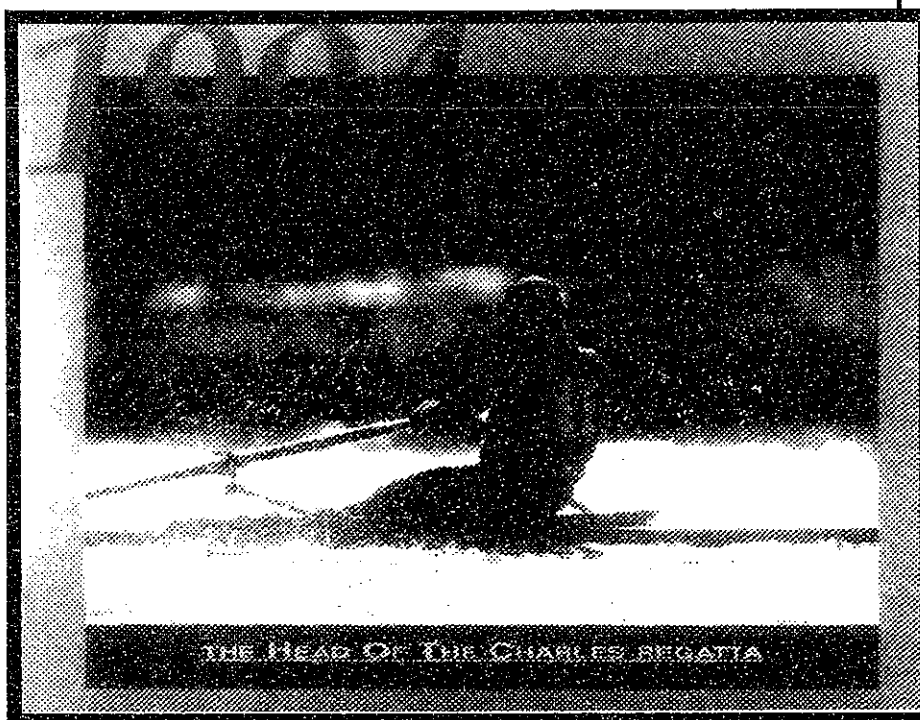
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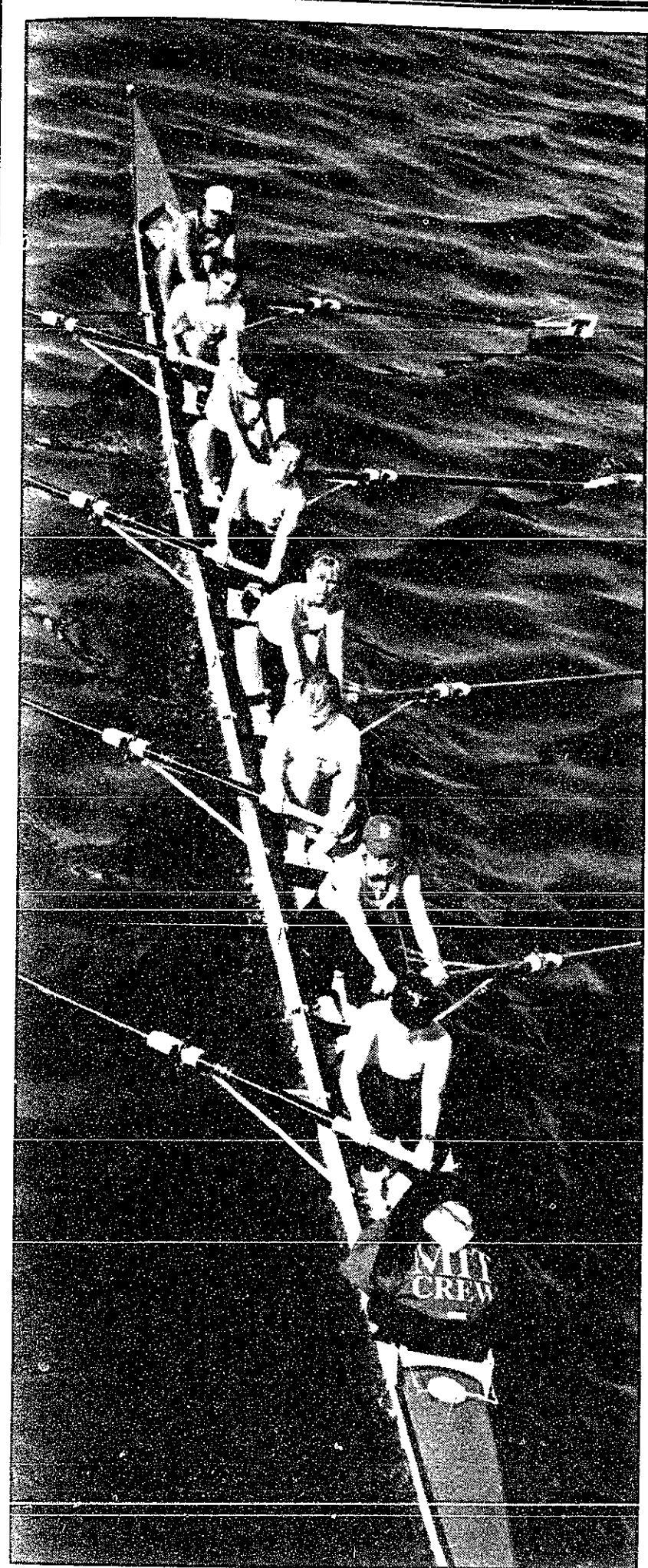
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BY BEN REIS

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ON Screen!

Oh Biff, do pass the ball

Harvard Students...

Not now Jiles, I'm reciting poetry!

Artsy levels 40% and rising, captain.

Mr. Worf, fire nerdifying torpedoes!

Cmdr. Worf, there's a kid stuck in the torpedo tube!

Jettison the child! Blast the Harvard ship!

$E=mc^2$

course 22

Note: Explosions don't go Boom in a vacuum

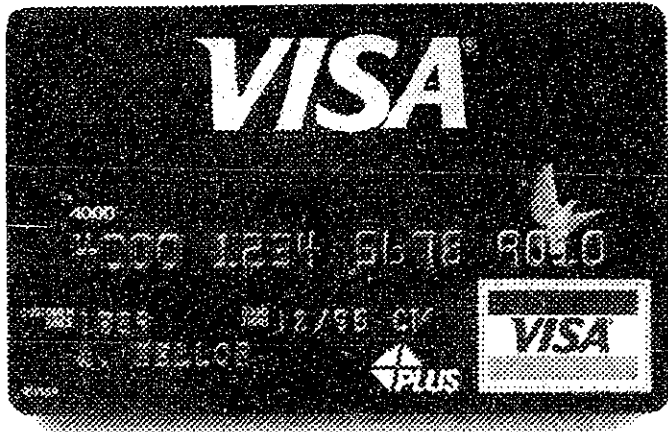
Oh Biff, shall we log on?

Good work! Onwards, warp 9!

Not now Jiles, I'm playing X-Bombs!

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Conference Reviews Media Technology

Symposium, from Page 1

"one of the futures of music." Though "I don't see this as a replacement for symphony orchestras," it allows people without a traditional music background to play, he said.

Quincy Jones gave the luncheon presentation. He talked about his experience with musical innovations, such as stereo-sound and synthesizers.

Jones also described a program run by Alan C. Shaw G, where 40 young adults in Dorchester, Mass. are provided with a computer network and have terminals in their own homes. "They use it to communicate and organize around community issues," he explained. This program helps promote access to the information superhighway, Jones said.

The discussion on Infrastructure for Creativity featured Chairman of the National Endowment for the Arts Jane Alexander, President and CEO of Sony Corporation of America Michael Schulhof, Chairman and CEO of Bell Atlantic Raymond C. Smith '56, and Media Lab Director Nicholas P. Negroponte '66.

Sony is working to become "a seamless entertainment company," meaning we want to move toward combining hardware and software, Schulhof said. Software in this case is the actual entertainment, and in recent years Sony has acquired CBS Records and Columbia Pictures, he said.

Schulhof described some Sony products that will be released in the near future. These include the digital video disc, which "will do to home video what the Walkman did to music," the Personal Intelligence Computer for mobile professionals, and a direct broadcast satellite, which will be a satellite dish that is 18 inches in diameter. Some of these projects are done in collaboration with other corporations.

Alexander's speech considered the access to media technology and education for this technology. She also talked about how the artistic community's content will evolve. "Technology augments the experience but doesn't replace it," Alexander said.

Smith described Bell Atlantic's work on the information superhighway and showed two short videos.

The day ended with a presentation by multimedia artists Penn and Teller and a reception.

Kennedy makes appearance

At the reception Kennedy walked around and met people briefly. "I've been following this as an area, I've been interested in technology and funding," he said.

Kennedy then gave a short speech at the reception. He noted that the Patents and Trademarks subcommittee of the Senate Judiciary Committee is interested in "areas of new technology and their impact on creative individuals." Accessibility and availability of this technology should be emphasized, Kennedy said. "Knowledge is power. Information is power."

Alexander called Kennedy "the major champion for media arts and studies" in the Senate today.

UROP Costs Professors More; Students Scramble for Funds

UROP, from Page 1

were funded by the UROP office, faculty research grants, and a windfall of \$1 million allocated by Provost Mark S. Wrighton in April 1994.

The special \$1 million allocation was crucial in reimbursing faculty members for the employee benefits and overhead costs, McGavern said.

Without this one-time cash infusion, funded UROPs will fall sharply to about 300 next summer, according to McGavern. "There will probably be 90 students working with the UROP Office funding and hopefully, no less than 200 faculty sponsored research" projects, McGavern said.

Complete UROP statistics will be available at the end of the fall term, McGavern added.

Funding a problem for some

"I was wandering around the Laboratory for

Computer Science building looking for a UROP. The professors told me that UROPs aren't for pay anymore. The money is not around," said Leaf Jiang '98.

Jiang now has a paid UROP with funding from the UROP Office at the Department of Materials Science and Engineering.

However, Linda Chien '96 said the new regulations did not really affect her search for a paid UROP. "I'm in a department that doesn't get UROPs often. I was also lucky that I had a professor who really wanted me to work there."

Chien's faculty adviser, Professor of Economics Jonathan Gruber, had called the UROP office to ask if there was enough funding from the UROP Office for Chien and offered to look for funding from his research if there was none, Chien said.

I don't think the overhead costs really affected me," Chien said.



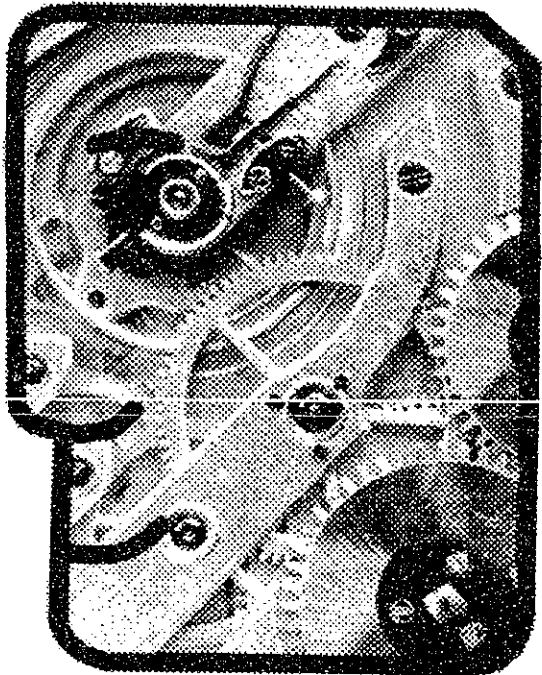
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Wrighton Speaks about ROTC's Homosexual Bar

Faculty, from Page 1

find the relevant paragraph, leading to the discovery of the omission, Jaffe said.

The entire section relating to scheduling and the calendar was updated in the 1993 edition, but the paragraph relating to the evening exam policy was omitted due to a

printer's error, Jaffe said.

ROTC given one year

At the beginning of the meeting, Provost Mark S. Wrighton provided an annual update on the ROTC situation. The ROTC policy on homosexuals, which now follows the Clinton administration's "don't ask, don't tell" policy, conflicts with the

Institute's non-discrimination policy.

In October 1990, the faculty approved a resolution asking the administration to work to reverse the Department of Defense policy on homosexuals over five years. At the time, homosexuals were banned from participation under all circumstances.

During the 1992 presidential election, candidate Bill Clinton "indicated that when he became president he would change the policy," Wrighton said. However, Clinton's "don't ask, don't tell" policy fails to meet MIT's requirements, he said.

It is unlikely that the administration or Congress will act on the matter, Wrighton said. "The only course of action to change the policy would be a court action."

Several cases are moving through the court system which "would appear to possibly result sometime down the road in a Supreme Court decision," Wrighton said.

Because the five year period will expire next year, Wrighton and Vest will likely appoint a committee to work on the issue next fall if there is no other resolution, Wrighton said.

Vest announced that he had asked the American Association of Universities to provide a legal analysis of the court cases involving ROTC and homosexuals.

Concern over adjunct faculty

Professor of Aeronautics and Astronautics Stephen R. Hall and Professor of Civil and Environmental Engineering Rafael L. Bras '72 made the MEng proposals for their departments at the meeting.

Following the presentation, Professor of Materials Science and Engineering Linn W. Hobbs ques-

tioned the use of adjunct faculty to teach design and industrial application related portions of the graduate programs.

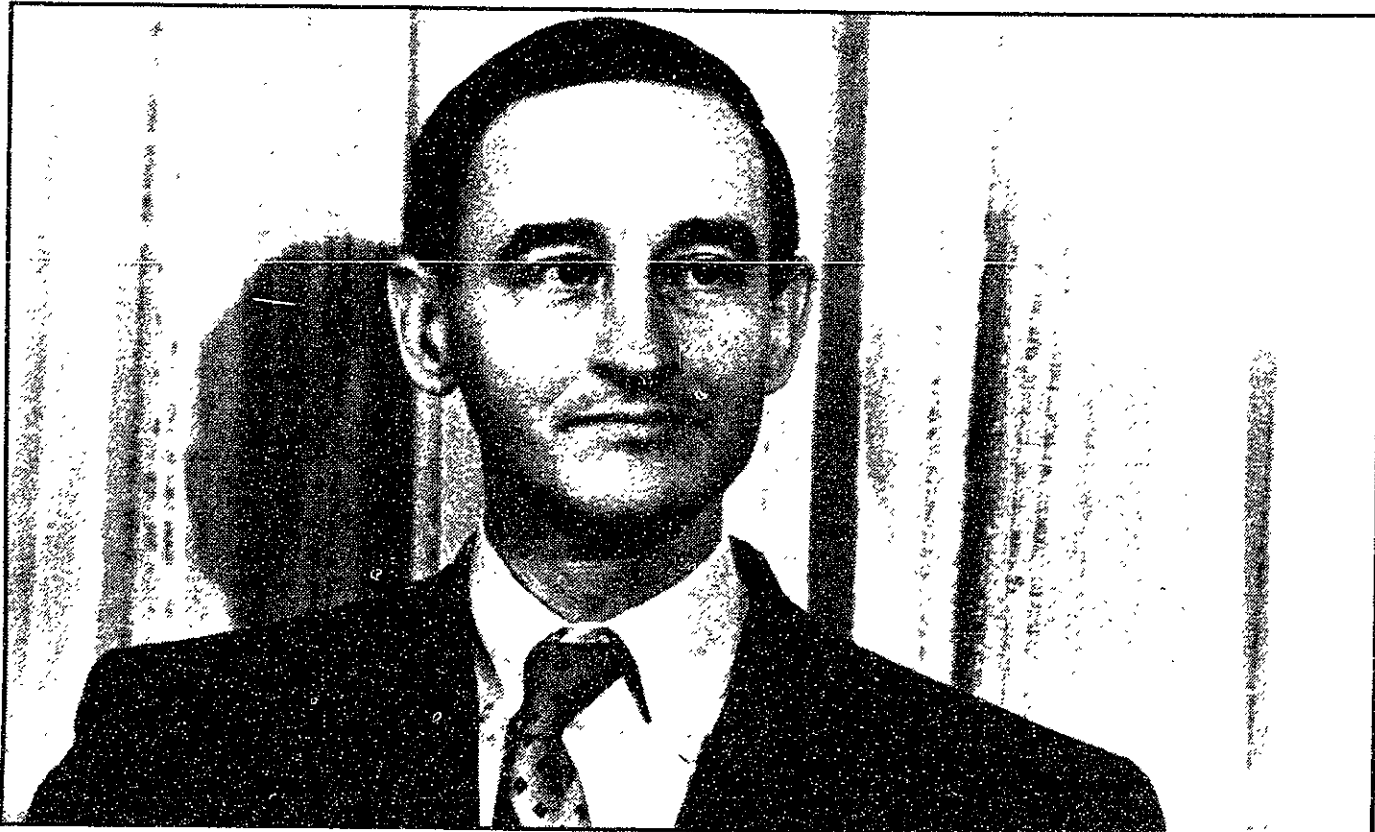
Rather than bringing in special faculty for those programs, Hobbs suggested providing training current faculty. "We ought to be putting in place a program improving those particular skills among our own faculty," he said.

Hobbs, who is chair of CEE, said he "would not want to see programs which would have an impact on our undergraduate program would not be staffed by faculty members."

Hall said that his department would hire a senior lecturer with industrial experience to teach the main design course in the MEng program.

Professor of Aeronautics and Astronautics Earl M. Mumford, head of the department, said he expected faculty members to migrate to the design area. He said he has had a positive experience with adjunct professors in the past.

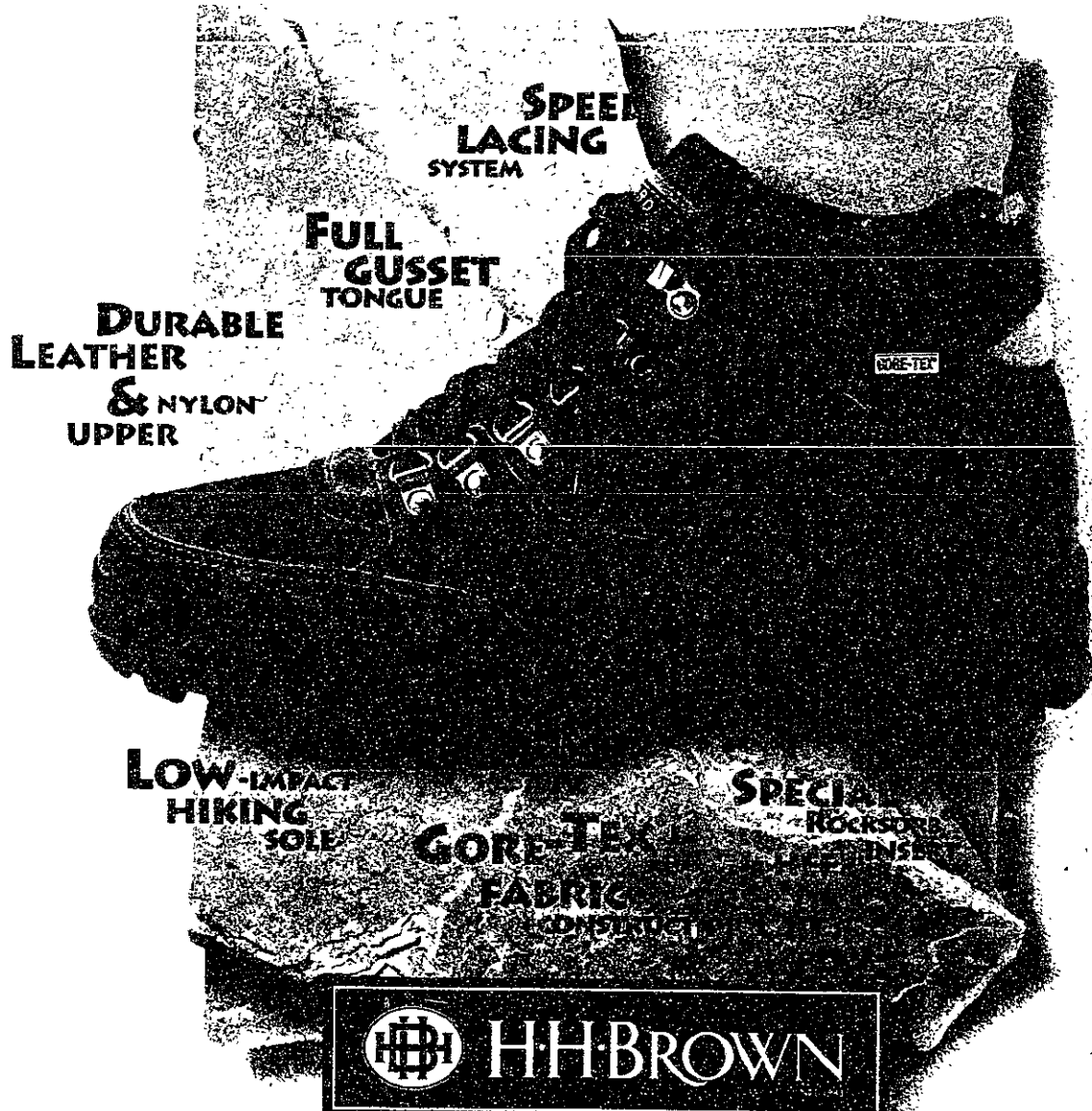
Jaffe reported that the faculty policy committee was "delighted to see that there is an emerging template" for the MEng degrees. The common features and conservative nature of one recent and two proposed programs alleviate some of the concern raised when the EECS MEng program was created, he said.



Provost Mark S. Wrighton

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New Program Gives MIT Students Free Tickets to the BSO

By David D. Hsu

MIT students can now receive free tickets to Boston Symphony Orchestra performances at Symphony Hall.

Under this program MIT students may attend open rehearsals and concerts on Tuesday evenings and Friday afternoons, said Ellen T. Harris, associate provost of the arts. Students must present their ID cards to the Symphony Hall box office on the day of the concert, she said. Students will receive tickets unless the concert has been sold out.

Currently, MIT is the only university involved in the BSO program which started last Friday, Harris said.

Harris and the Council for the Arts negotiated this program with the BSO.

"There has always been a strong relationship between the Symphony and MIT. ... I repeatedly suggested some kind of ticket system that would parallel the program with the Museum of Fine Arts," Harris said.

Under the ticket system, MIT will pay an upfront fee of \$5,000 for the experimental first year, Harris said. The BSO will monitor the number of MIT tickets and re-evaluate the program at the end of the year, she said.

"I am happy that this gives MIT students an advantage," Harris said. In past years, MIT students could avoid paying full price by purchas-

ing rush tickets or through group sales, she said. Unfortunately, rush tickets could only be purchased during the hour before a concert. The new program allows tickets to be obtained any time during the day of the concert, she said.

Without prices as a barrier, the program also helps expose more MIT students to the Boston art community, Harris said. "The MIT student is very broadly interested in the world around him or her," she said. "It would be a real shame if MIT students didn't take advantages of opportunities around Boston."

Students welcome this new program.

"I think it's an excellent opportunity. It's not that often that students get to experience something like the Boston Symphony for free," said Tracy A Back '95.

"It's an opportunity for students to experience something they normally wouldn't otherwise experience," said Clarence B. Applegate '95. "I certainly plan to use it in the future."

If the first year is successful, the Council for the Arts will attempt to include MIT faculty and staff in the program, Harris said. The BSO may consider adding other colleges to the program. The Council may also try to start similar programs in ballet or theater, Harris said.

MEng Will Emphasize Design over Research

MEng, from Page 1

neering Practice," which will "integrate the variety of skills necessary for successful practice, from business and management, to ethics, to team building, to handling uncertainty and using modeling tools," Bras said.

The MEng program emphasizes "team experiences and development of a cadre of students and faculty," Bras said. All students will be required to take part in the 15 unit project/thesis subjects which further stresses teamwork. In the spring

term, the student will be required to develop an individual thesis in order to receive the MEng degree. This is the only time that the students will be able to do individual work, Bras said.

"It is expected that the majority of MEng students will bring their own support. The nature and time constraints of the program eliminates the possibility of research assistantships. In the future, some industrial fellowships may become available," Bras said.

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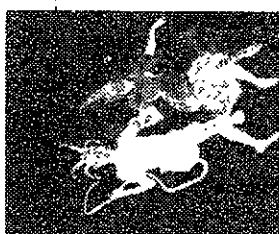
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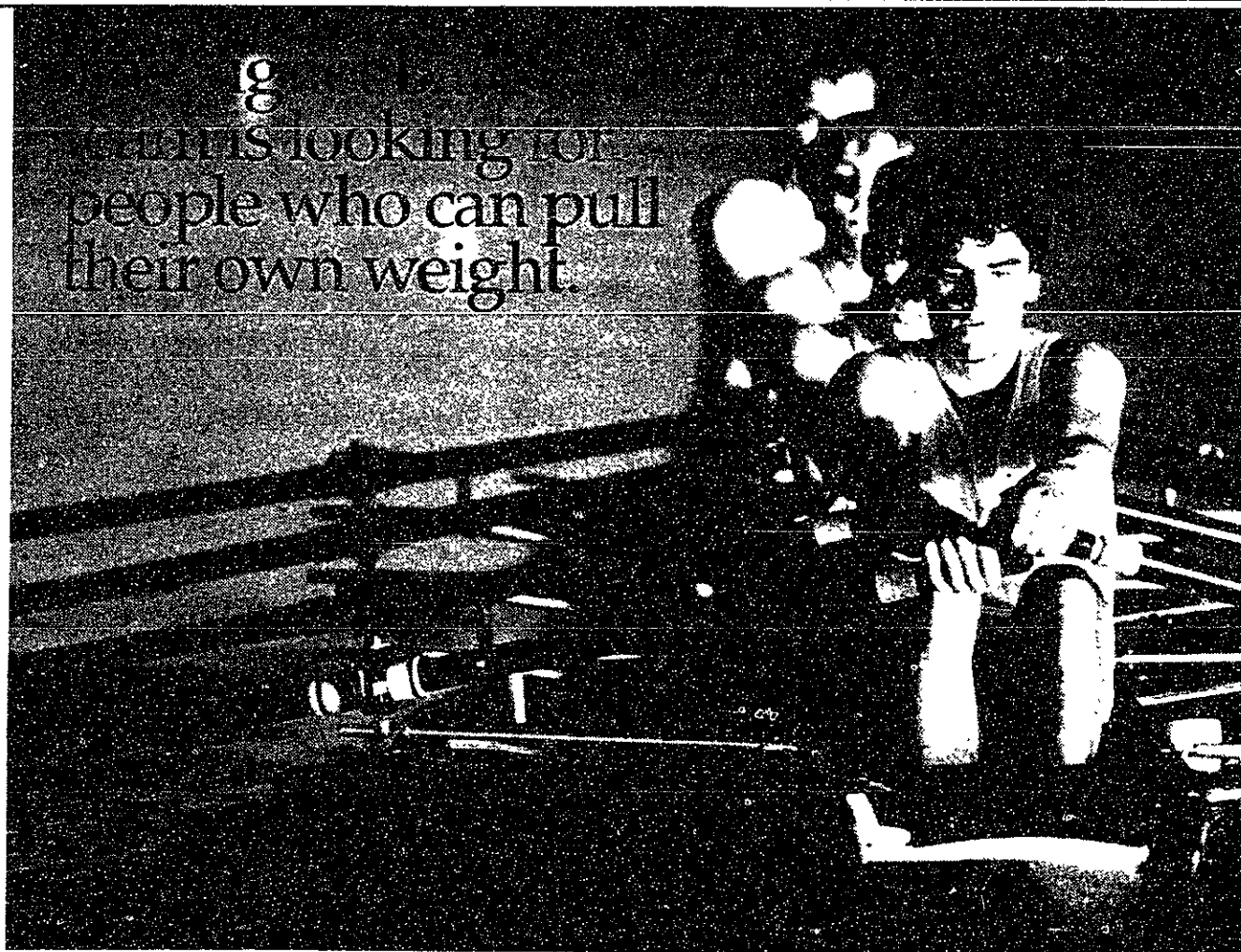
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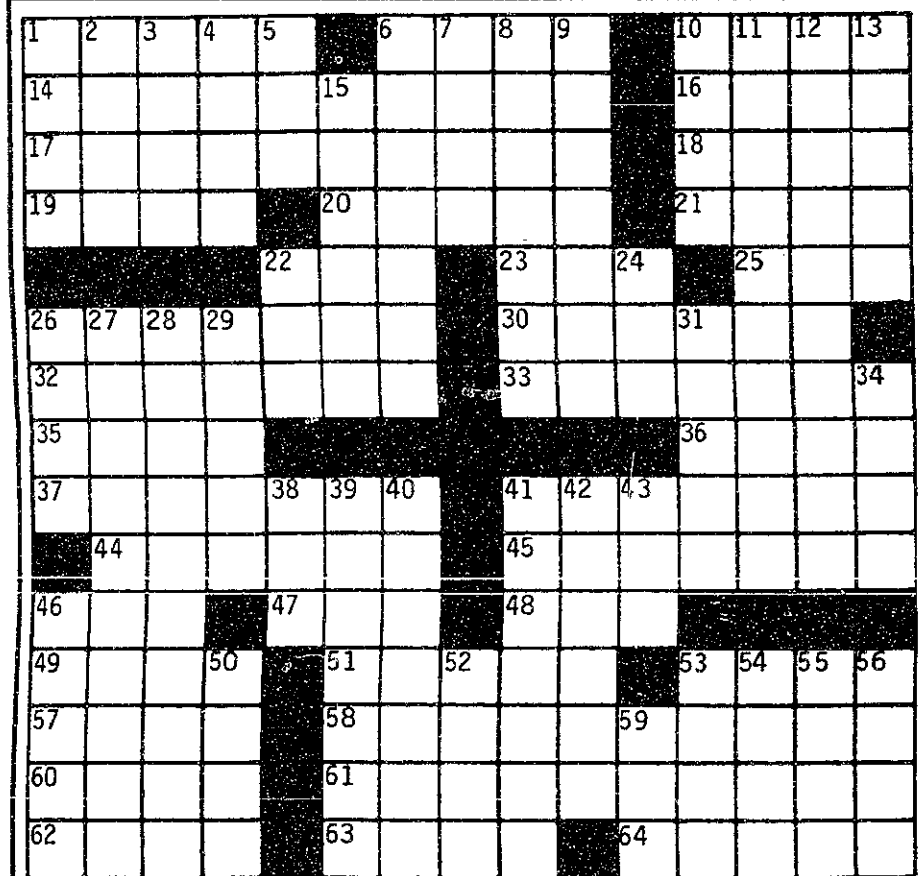
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■ Announcements

Registration is open for MIT community children's skating lessons (ages 6-12 years) to be held Saturday mornings beginning October 29 in the Johnson Athletic Center rink. Classes will continue November 5, 12, 19, and December 3, 10, and 17. Beginner and intermediate levels will be offered by instructors from the MIT Physical Education staff. Beginners are children with very little or no experience. Intermediate skaters should be able to skate forward well and wish to learn additional fundamentals. Beginner classes meet at 10am, intermediates at 11am. The fee is \$35 per child (\$25 for parents with athletic cards), payable at the time of registration. Registration forms are available in the Physical Education Office, W32-125. For further information, call x3-4291.



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ACROSS

- 1 Poker hands
- 6 — mater
- 10 Police alerts
- 14 Trifling
- 16 Arequipa's country
- 17 Roll garnish
- 18 City in Oklahoma
- 19 Formerly
- 20 Words of confidence
- 21 Highways (abbr.)
- 22 — and flutter
- 23 Mr. Gershwin
- 25 Ending for leg
- 26 Imaginary monster
- 30 Football great
- 32 Best policy
- 33 Ground one's teeth
- 35 Zeno of —
- 36 Bread spread
- 37 Wall or ceiling attachment
- 41 Pay through —
- 44 Sir Arthur Conan, and family
- 45 Aging agent
- 46 Uglify
- 47 Wrestling medium
- 48 Zeta's neighbor

DOWN

- 15 Maid of India
- 51 Lifts weights
- 53 Footnote abbreviation
- 57 Bit of sarcasm
- 58 Perfectly fitting
- 60 One's partner
- 61 On the average
- 62 Wad components
- 63 Bread and whiskey
- 64 Allocates, with out
- 15 Chaperone
- 22 Ex-cager Unseld
- 24 Organization for Trapper John
- 26 VIP in haute cuisine
- 27 1942 Crosby movie (2 wds.)
- 28 Unyielding
- 29 Like good bacon
- 31 In harmony (2 wds.)
- 34 Activist
- 38 City on the Danube
- 39 Nuclear —
- 40 Sea inlet
- 41 Vine supporter
- 42 Discovers (2 wds.)
- 43 Rater of mpg
- 46 Myope of cartoons
- 50 Attention-getters
- 52 Fair feature
- 53 — Nagy, Hungarian hero
- 54 Enticement
- 55 "As — as a painted ship..."
- 56 Actress Susan, and family
- 59 30-Across, in 1977

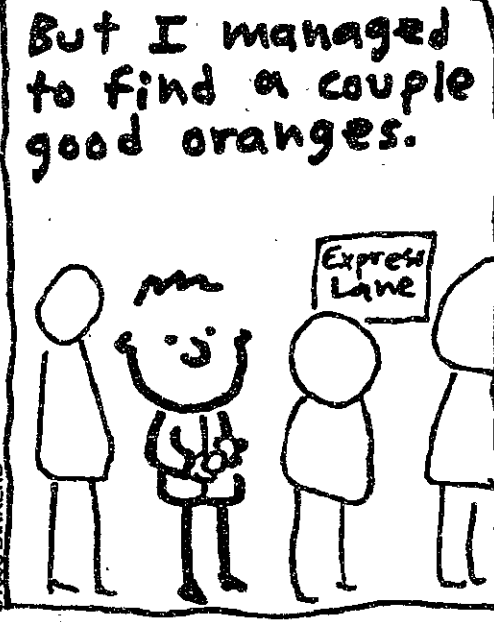
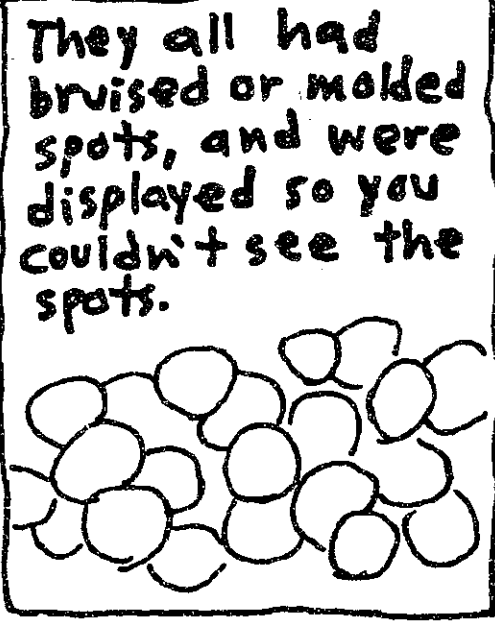
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SOLUTIONS IN THE NEXT EDITION OF THE TECH

Jim's Journal

By Jim



Grad Soccer Moves Into League Lead

Soccer, from Page 20

will probably go down as MIT's goal of the season. Bashar Zeitoon G dribbled the ball into the box past several defenders and all the way to the goal-line about 10 yards from the Waltham right goal post. A picture-perfect chip over the goalkeeper to the far post found Ernst, once again steaming in from the MIT defensive lines. He rose to the task of directing the header into the net from an extremely acute angle.

The last half hour of the game saw Waltham pressing, which inevitably left large gaping holes in their defense. As a result, the best chances at this stage fell to MIT. The best of these was probably a corner, which was cleanly headed by Jerry Lin G, toward the right corner of the net but was somehow

saved by a Waltham defender. The rebound was pounded back toward goal by Zeitoon from 10 yards but the ball ricocheted off a defender.

The ultimate satisfaction came with the final whistle when word came from the bench that Essex had indeed tied Lexington in the 88th minute. MIT had moved into first place on goal difference!

The schedule shows that MIT might have tougher games ahead than its rival Lexington. After this Saturday's away game against reigning champions Canary Square, MIT has two relatively easy games against the league-basement teams. On the other hand, Lexington has games against three teams from the bottom four, and looks likely to get all the points. Time will tell who ends up on top in this thrilling duel.

UPCOMING HOME EVENTS

Friday, Oct. 21

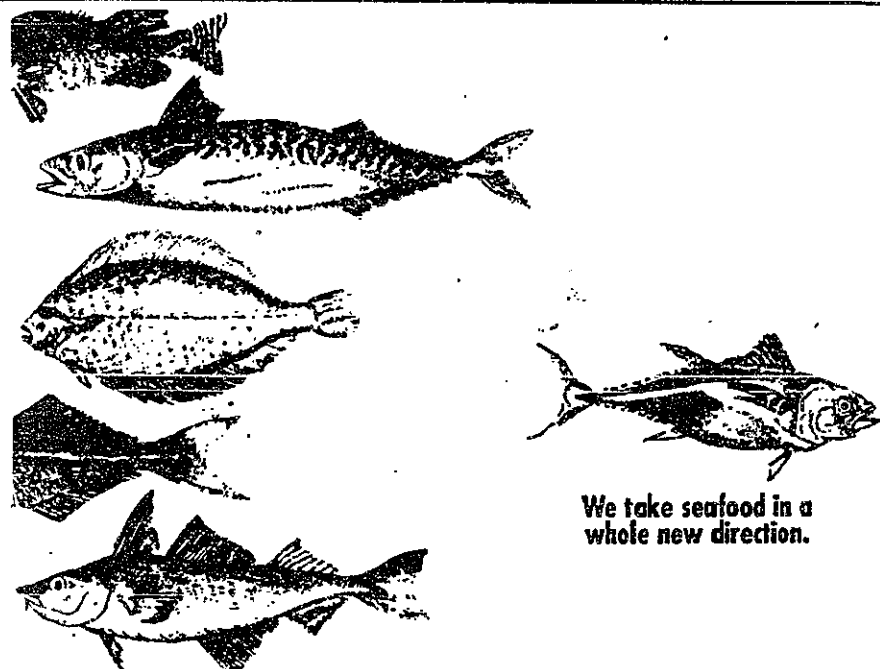
Women's Sailing at Intercollegiate Yacht Racing Association of North America Singlehanded Championship, 1 p.m.

Saturday, Oct. 22

Women's Sailing at IYRA Singlehanded Championship, 9:30 a.m.
Men's Cross-Country at Constitution Athletic Conference Championship, 1:30 p.m.

Sunday, Oct. 23

Women's Sailing at IYRA Singlehanded Championship, 9:30 a.m.
Men's and Women's Crews at Head of the Charles Regatta, all day, first event, 8 a.m.



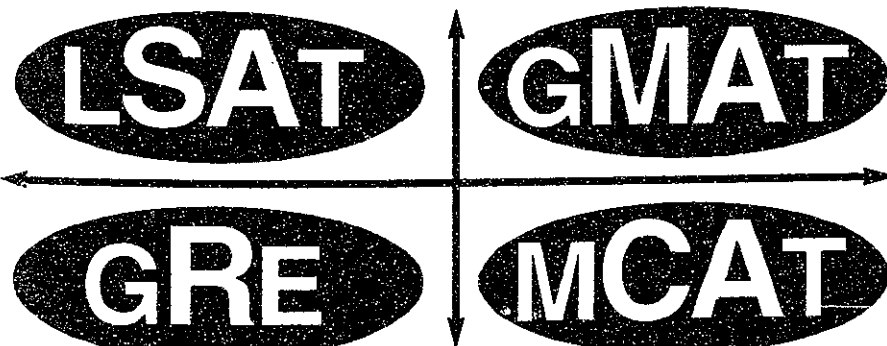
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Refreshments will be served

Topic: Perspective on a career with McKinsey

Attire: Casual

Date: Monday, October 31, 1994

Place: The Charles Hotel, Lowell Ballroom

Time: 6:00 - 8:00 p.m.

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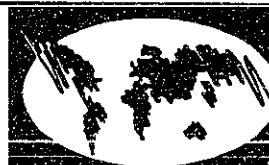
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SPORTS

Grad Soccer Holds Off Waltham Team

By Josh Elliott
and Jose-Luis Robles
TEAM MEMBERS

After the 5-0 drubbing of former league leader Lexington last week, the graduate soccer club's game against Waltham, the fourth place team, was expected to be a relatively easier.

When MIT played Waltham last spring, MIT won easily, 4-0. This season the Engineers seemed to be reaching their peak form just at the right time as they entered the last four games of the tight championship race.

Any illusions of an easy game were shattered when Waltham took the lead after 15 minutes. A scrappy goal was scored after a cross from the left managed to get through the MIT defense and find Waltham's right winger. A bad bounce foiled the last ditch tackle attempted by the MIT full-back, and the winger delivered a well-placed shot to the far post which just beat goalie Bobby Padera G.

To MIT's credit, they showed good character by coming back into the game after being so rudely shocked out of their stupor. From this point on, MIT dominated the game with few or no real scoring chances coming Waltham's way.

MIT offensive pressure led to a corner that Richard Stringfellow G headed from beyond the far post and back in front of the goal. Steffen Ernst G, running at full tilt, jumped and crashed a header off the underside of the Waltham crossbar. The ball was cleared to safety. Another

corner resulted in a goalmouth scramble which concluded with Alex Pfaff's shot being deflected by a defender with the goalkeeper stuck in No Man's Land.

In spite of all this pressure, the score remained 1-0 to Waltham at half time.

To make matters worse, bad news filtered through from the bench that Lexington, the league leaders who were one point clear of MIT, appeared to be coasting to a victory with a 2-0 lead at half-time over Essex United. MIT faced the prospect of their gallant 5-game unbeaten streak going for naught as their whole season appeared to be going down the tube.

However, in the second half MIT improved its performance from the dreadful first half.

A strong run by Stringfellow down the left flank ended with a sly pass to Ernst inside the box. It seemed that the Waltham defense had recovered as Ernst was forced to dribble backwards and out of the penalty area. But as he moved past the defender, an unnecessarily desperate tackle left the referee with no choice but to award a penalty kick.

Alex Pfaff converted with a low, textbook look-away shot that sent the goalkeeper the wrong way. This goal was just reward for his top-quality defensive midfield performances this season.

This turn of events lifted MIT's spirits and a long period of pressure culminated in a second goal which

Soccer, Page 19

Women's Volleyball Ranked First in New England Div. III

By Roger Crosley
SPORTS INFORMATION DIRECTOR

The women's volleyball team is currently the number one ranked Division III team in New England and is also ranked first in the

Sports Shorts
National Collegiate Athletic Association Division III Northeast Regional Poll.

The team ascended to the top of the rankings by winning the Eastern Connecticut State University Invitational Tournament. Phareen Dallah

'95 was named to the All-Tournament team.

The Engineers currently sport a 19-4 record.

Football players win awards

Football linebacker Mike Butville '98 was named the Eastern Collegiate Football Conference (ECFC) defensive player of the week for his play in MIT's 48-0 shutout of Curry College.

Butville was responsible for three Curry turnovers, intercepting two passes, and recovering a fumble. Two of the turnovers led to

Engineer scores. Butville also added five solo and six assisted tackles and one quarterback pressure.

Additionally, linebacker Andy Carnell '95 and running backs Jose DeLeon '97 and Saul DeLeon '98 were each named to the ECFC honor roll for their play. Carnell led the Engineers with 18 tackles and added a quarterback pressure. The DeLeon brothers combined to rush for 166 yards and four touchdowns.

The win was the second largest in the history of the MIT football program.

Women's X-C 2nd at Bowdoin

By June Park and Agnieszka Reiss
TEAM MEMBERS

The women's cross country team traveled to Freeport, Maine last Saturday and placed second at the Bowdoin Invitational Meet.

The meet featured Bowdoin's nationally ranked team, strong competition from Wheaton College and Babson College, as well as a course that was being mowed through cow pastures (that were occupied) even as the teams were warming up. The final score was Bowdoin 19, MIT 55, Wheaton 72, and Babson 103.

One of MIT's goals was to penetrate the massive group of Bowdoin's front runners. Janis Eisenberg '98 and Marjie Delo '95 were equal to the task, appearing as dots of crimson against Bowdoin's sea of black and white. Eisenberg placed second running the 5 kilometer course in 19 minutes, 33 seconds, which was 27 seconds behind Bowdoin's Darcy Storin. Delo recovered from a fall in the first mile to finish 8th in 20:24.

Lauren Klatsky '97 was MIT's third runner, plac-

ing 16th in 21:02. Agnieszka Reiss '95 and Evelyn Kao '95 were not far behind, finishing 19th in 22:05 and 26th in 22:36, respectively.

Susan Woodmansee '98 and Rebecca Metrick '98 rounded out the top seven for MIT. Woodmansee was 33rd in 23:24, and Metrick was 36th in 23:43. Fifty-one runners competed in the event.

When asked about his impressions of the meet, Coach Joe Sousa said, "I saw everything except Joan Benoit. I saw Susan run her best race of the season, I saw the Bowdoin coach trying to get the cows off the course by talking to them, I saw Marjie fall in a ditch and nearly get trampled, and I saw all my athletes scraping cow patties off their shoes."

Saturday's meet was the last of the small meets for the season. MIT finished the small meet season with a 7-2 record.

The team was ranked seventh in this week's New England Division III Coaches' Poll. Next on the agenda are the All New England Championships at Franklin Park on Saturday, and then the New England Women's Eight championships.

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