

MIT Budget Tight, Salary Cuts Possible

By Nathan Collins
EDITOR IN CHIEF

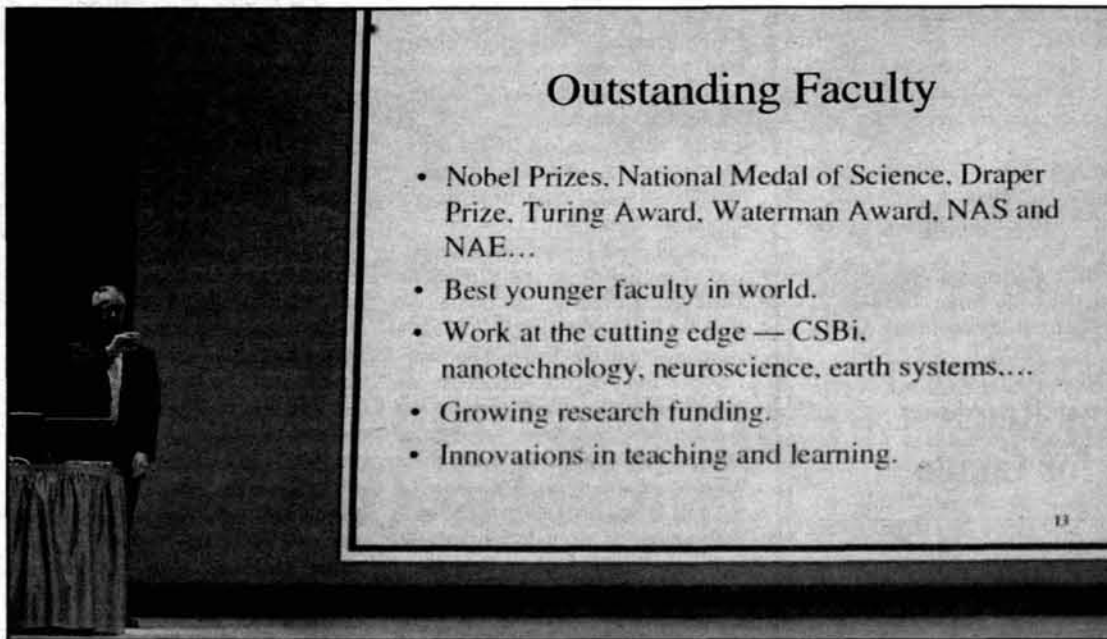
While painting a positive picture of MIT's standing, the Institute's top leaders are preparing the rest of the community for rougher economic times to come.

At a town meeting in Kresge Auditorium yesterday, MIT President Charles M. Vest said that budget cuts "will put pressure on things we feel the most," including salaries and graduate student tuition subsidies, in the next two fiscal years. The cuts follow endowment losses totaling more than \$1 billion in the last two years.

Executive Vice President John R. Curry said that some of that pressure will be alleviated by not filling vacancies that open up, adding responsibilities to current positions, and working to reduce costs, perhaps by doing some extra work in-house.

In a brief interview after the meeting, Vest said that there will be "no salary cutting" in the next fiscal year. After that, in fiscal year 2005, the pressures will likely be sufficiently high that "we'll have to ask questions," and salary cuts are an option, Vest said.

Since MIT considers economic



President Charles M. Vest speaks about MIT's "outstanding faculty," a positive point in what Vest described as an "era of constraints." One constraint — the recent economic downturn — has led MIT to consider salary cuts and other budget-shrinking measures.

trends on a three-year averaged basis, Vest said, the full impact of recent economic trouble will not be felt until the 2005 fiscal year, which begins in July 2004.

During the meeting, Provost Robert A. Brown said budget constraints will also mean a decrease in the graduate tuition subsidy MIT pays to advisors, from 65 percent to

55 percent of graduate tuition. Because advisors pay for the rest of a student's tuition, Brown said, the

Budget, Page 18

Lobby 7 Slowly Gets Face-Lift

By Frank Dabek
STAFF REPORTER

As Lobby 7 continues to slowly evolve, permanent bulletin board space and permanent tables and chairs will soon replace the temporary stand-ins currently in the lobby.

Wellington Reiter, professor of architecture and adviser to the group overseeing the renovations, said that the current kiosks being used as poster space were an "ad hoc measure" and were created from left-over construction materials.

The new kiosks will have an "aluminum and stainless steel vocabulary" that is more appropriate to the architectural features of Lobby 7, he said. The new kiosks will feature nine surfaces for posters and should be installed before commencement, he said.

The tables and chairs that are currently placed in the lobby when Bosworth's, the Lobby 7 cafe, is open, will be replaced by new and more colorful tables and chairs, Reiter said. The new tables and chairs have yet to be installed because of manufacturing delays and will only be in place while the cafe is open. Current plans do not call for a return of permanent benches to the lobby, he said. Benches were ruled out in favor of the more flexible tables and chairs.

Gayle M. Gallagher, director of the information center responsible for managing the kiosks, did not return calls requesting comment

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Research Involvement Varies by Race

By Beckett W. Sterner
ASSOCIATE NEWS EDITOR

Hispanic and black students participate less often in undergraduate research than white and Asian students do, according to a recent survey.

In the survey, administered by the Provost's Office, 20 percent of Hispanic students and 30 percent of black students said that they had done not-for-credit research with faculty in the past year, while 39 percent of Asian students and 40 percent of white students said they had done non-credit research.

In a similar question about research for credit, 19 percent of Hispanic students said that they had participated this year, compared to 29 percent of white students, 31 percent of black students, and 39 percent of Asian students.

When asked how frequently they had engaged in intellectual conversation with a faculty member, 43 percent of Hispanic students, 45 percent of black students, 50 percent of Asian students, and 56 percent of white students said that they had done so in the past year.

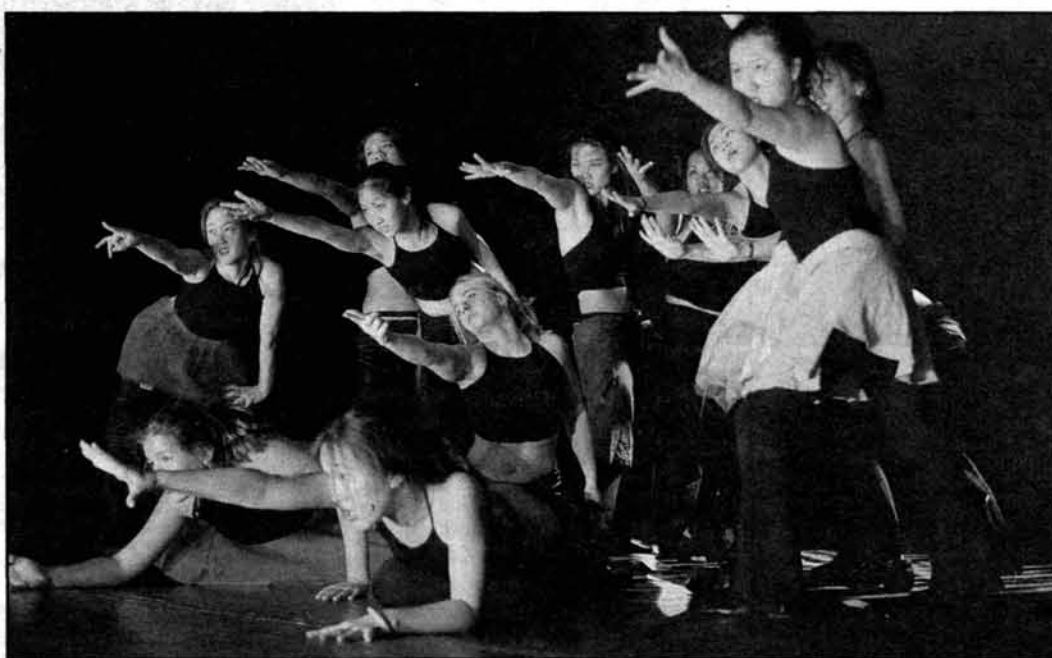
International students had higher

rates of involvement. 35 percent said they had done non-credit work, and 54 percent said they had done for-credit research. 64 percent of international students reported having had an intellectual conversation with faculty in the past year. The survey did not distinguish between nationalities of international students.

Disparity has been found before

J. Kim Vandiver PhD '75, Undergraduate Research Opportuni-

Survey, Page 14



Members of the MIT Dance Troupe finish "Kpop Medley" during their performance in Kresge Little Theater last weekend. "Kpop Medley" was choreographed by Hongjoo Sun and featured songs by Lee Jung Hyun ("Mi Chuh"), Park Ji Yoon ("Sung in Shik"), and Skool ("Julian"). Review and photos, page 10.

AARON D. MIHALIK—THE TECH



The Matrix
Reloaded
meets its
expecta-
tions.

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This is *The Tech's* last issue for the 2002-2003 school year. During Summer, we will publish on June 9 (for commencement), June 16, July 9, and August 6.

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WORLD & NATION

60 Million Lack Health Insurance

THE NEW YORK TIMES

WASHINGTON

Nearly 60 million people lack health insurance at some point in the year, the Congressional Budget Office said Monday, adding that official estimates fail to distinguish between people who lack coverage for a few months and those who are uninsured for a full year or more.

Members of Congress, administration officials, lobbyists and advocates often cite the Census Bureau when they declare that 41 million people have no health insurance.

But in a new report Monday, the budget office said the bureau's figure "overstates the number of people who are uninsured all year," while significantly understating the number who are insured for only part of the year.

The report said 57 million to 59 million people — "about a quarter of the nonelderly population" — lacked insurance at some time in 1998, the most recent year for which reliable comparative figures were available.

At the same time, the budget office said, government surveys suggest that the number of people uninsured for the entire year was 21 million to 31 million, or 9 percent to 13 percent of nonelderly Americans.

U.N. Council May Request Foreign Force for Congo

THE NEW YORK TIMES

UNITED NATIONS

With memories of unheeded warnings about Rwanda clearly on their minds, Security Council ambassadors discussed on Monday the possibility of inviting a foreign military force to help avert any increase in violence in the Ituri province of the Democratic Republic of Congo.

The U.N. secretary-general, Kofi Annan, has called on council members to develop "a coalition of the willing" to provide troops to end the power vacuum. Diplomats from several delegations said they hoped France would lead the effort. The French mission's spokesperson, emphasizing that the request went to all council members, said the French government was studying the question.

After the meeting, one U.S. diplomat said, "We support a member state that is willing to consider this task quickly" — an implicit nudge to the French to take on the responsibility.

"Regarding troops, every member of the Security Council is considering the request made by the secretary-general," a spokesperson for the French Embassy said Monday. "We perfectly well understand the security situation on the ground is not secure" and that the U.N. forces present are not equipped to deal with a mounting conflict.

Lebanese Welcome Iranian President

THE NEW YORK TIMES

BEIRUT, LEBANON

Iranian President Mohammad Khatami arrived on Monday to a glowing embrace from the Lebanese government and tens of thousands of chanting, cheering Lebanese Shiites. His visit was the first here by an Iranian president since the 1979 Islamic revolution, and represents a major diplomatic reaction in the Islamic world to the U.S. invasion of Iraq.

Washington will be listening closely to what Khatami says. The United States considers Iran the leading state sponsor of terrorism and has raised concerns recently about whether it is developing nuclear weapons. It has demanded that Iran end the support of militant groups like Hezbollah, which is based in Lebanon.

Nevertheless, Iran and the United States seem to be moving toward a new phase in their often hostile relationship, with Bush administration officials confirming in recent days that the two countries have been holding secret contacts.

Khatami moves on to Syria after his three-day visit here, and many in the region see his trip as an attempt to bolster ties among countries in the Middle East that appear to be next in line for U.S. wrath after the Iraq war. The visit also marks a milestone in Iran's growing closeness to Lebanon. The two countries on Monday signed economic agreements, including provision of a \$50 million Iranian loan.

WEATHER

Light Followed By Darkness

By Daniel Bersak

ASSOCIATE PHOTOGRAPHY EDITOR

April showers bring May flowers. May showers like those we might experience today, however, bring wet May flowers. Highs today will be in the upper 60s (19°C) with light winds out of the West. We will also experience daylight followed by an extended period of darkness. Wednesday expect more daylight, though slightly dimmed by thick cloud cover and possible showers in the morning. Highs will again be in the upper 60s (19°C) and will again drop with the approaching darkness. The daylight-darkness cycle will continue into Thursday, though with partly sunny skies and a high of 60-65°F (16-18°C), the daylight will be more effective. Friday there will be air and gravity, both in their usual quantities, but light will disappear forever, and temperature will lose its meaning shortly thereafter.

Extended Forecast

Today: Chance of showers. High 62°F (17°C).

Tonight: Chance of showers. Low 45°F (7°C).

Tomorrow: Chance of showers. High 62°F (17°C).

Thursday: Mostly cloudy. High 65°F (18°C).

Four Bombings Strike Western Enclaves in Saudi Capital City

By Neil MacFarquhar
with Douglas Jehl

THE NEW YORK TIMES

KUWAIT CITY

Four separate attacks involving explosions and small-arms fire struck Western targets including residential compounds in the Saudi capital of Riyadh overnight Monday, causing an undetermined number of casualties, Saudi officials and diplomats said.

Initial press reports put the number of injured from the explosions believed caused by car bombs as high as 50, but embassy officials were unable to confirm that number.

"We can confirm that there are casualties, but we can't confirm the numbers or the extent," said John Burgess, the counselor for public affairs at the U.S. Embassy in Riyadh. A senior Saudi official said the number of wounded in Riyadh had been "high."

Three of the blasts came almost simultaneously just before midnight local time, and a fourth followed shortly afterward, Saudi officials said. Several hours later, the State

Department said it did not "have any confirmed reports of American casualties."

There were no official reports of deaths from the attacks. But reports from Saudi Arabia, citing hospital officials and residents of the compounds, who included American, British, Italian and other Western citizens, as well as Saudis and other Arabs, said that dozens of people had been wounded and some appeared to have been killed.

The attacks came just days after the State Department issued an extraordinarily specific warning on May 1 that terrorists "may be in the final phases of planning attacks" on American targets in Saudi Arabia. A Saudi raid last Tuesday on a suspected al-Qaida hideout uncovered a large weapons cache, but 19 suspected militants sought in the raid managed to escape.

U.S. officials said on Monday that initial suspicions were that the al-Qaida terrorist organization was behind the attack. They said the near-simultaneity of the explosions was reminiscent of the 1998 attacks

by al-Qaida on U.S. embassies in Kenya and Tanzania.

Officials with access to early reports suggested that the attacks had been carried out with some precision. In each case, they said, the attackers appeared to have shot their way into and out of the compound, and possibly used car bombs to set off large explosions.

A State Department spokeswoman, Nancy Beck, said on Monday night: "We are deeply concerned about the reports of explosions in Riyadh. At this time we are working closely with the Saudi authorities to determine the facts."

While there were no confirmed reports of American casualties, Beck said, the State Department was advising Americans in Riyadh "to remain at home until we can ascertain the facts and the nature of any ongoing threat."

A Reuters report from Riyadh on Monday night quoted a hospital administrator as saying he understood from colleagues that people had been killed in the attacks.

Previous Officials Depart Iraq As Bush Overhauls Government

By Patrick E. Tyler

THE NEW YORK TIMES

BAGHDAD

America's new civilian administrator for Iraq, L. Paul Bremer III, arrived in Baghdad on Monday as several members of the team of his predecessor, retired Lt. Gen. Jay Garner, and Garner himself prepared to leave over the coming weeks in a sudden overhaul that has rattled Iraqi political leaders.

Massoud Barzani, who will play a critical role in the formation of the interim government in Iraq, said in an interview on Monday that the United States risked squandering its victory over Saddam Hussein by allowing chaos and anarchy to run unchecked in the country.

Barzani said he had been close to Garner ever since they worked together a decade ago when Iraq's minority Kurds fled by the hundreds of thousands to the Turkish border region to escape the wrath of Saddam after an unsuccessful uprising follow-

ing the 1991 Persian Gulf War.

"His departure will have a very negative effect," Barzani said. "The rapid change of officials is not very helpful because we need focus."

He said he was concerned that the ideological clashes in Washington over the U.S. role in post-war Iraq were hampering policy here. "We are paying the price for the political conflicts in Washington," he said. "Time is of the essence, speed is of the essence — we must get some form of government."

Garner has yet to inform him of any plans to leave, Barzani said. He also expressed some concern about Bremer's longtime association with former Secretary of State Henry A. Kissinger, whom the Kurds blame for their betrayal in the intelligence wars between Iran and Iraq three decades ago.

Neither Garner nor Bremer, in brief remarks at the airport here, addressed the causes of the personnel changes reported by Bush administra-

tion officials over the weekend. One of Garner's deputies, Barbara K. Bodine, was relieved of her duties on short notice, and the officials said that Garner himself would also depart in a few weeks. Several members of Garner's staff, detailed to Iraq from diplomatic or other government jobs, are also returning to those posts over the next month.

Bremer is bringing a large contingent of new administrators, but Monday he gave no detailed assessment of the situation in Iraq or how he planned to reverse the deterioration in security.

"We will be in the process of discussing with appropriate people in Iraq a transition to an Iraqi government at a time line that still has to be determined," Bremer said. Garner had set a timeline for a new government to emerge by the end of the month.

"We are not here as a colonial power," Bremer said. "We are here to turn over" power to the Iraqi people "as quickly as possible."

Gov't Agencies to Rely on Images From Private Satellite Companies

By Eric Lichtblau

THE NEW YORK TIMES

WASHINGTON

President Bush is ordering federal agencies to rely much more heavily on private satellite companies to provide images from space, a significant shift from current policy, administration officials said on Monday.

The new policy seeks to limit the government's own network of satellites to the most sensitive, high-priority assignments and use private vendors to meet relatively routine tasks "to the maximum practical extent," officials said. The shift is seen as an effort both to bolster the position of U.S. satellite companies in the global marketplace and, in the long term, to save money.

The White House is expected to announce the new policy on Tuesday after a review that began late last year.

The White House's new policy will replace a 9-year-old presidential directive signed in 1994 by

President Bill Clinton, which Bush administration officials said had become largely outdated because of advances in private satellite technology.

"This is a very significant change," a senior administration official said on Monday. "We're essentially saying that where the commercial industry can provide what we need, have at it."

But the shift carries security risks.

"The potential bad news," the senior official said, is that the images collected by private vendors "are also available to our adversaries." The government will reserve the right to restrict the sale of commercial data by American companies to anyone deemed to pose a national security risk, the official said.

The government currently has more than a half-dozen high-resolution satellites in orbit to provide imagery and photos for uses as var-

ied as military and intelligence operations, map-making and climate control, officials said. Two private American companies operate high-resolution satellites, and a third is expected to launch one later this year, competing with other companies overseas.

As the quality of private satellite resolution has improved in recent years, the government has come to rely more heavily on them, but with that trend has come bureaucratic resistance and occasional in-fighting.

Last year, the director of central intelligence, George J. Tenet, ordered American intelligence agencies to expand their use of private satellites after Air Force officials complained that bureaucratic tangles prevented them from using commercial images of Afghanistan to aid in bombing missions in the war against the Taliban. As a result, Air Force pilots had to use outdated Russian maps during the early stages of the war.

Proposal on Media Ownership Rules Has Significant Changes

By Stephen Labaton
THE NEW YORK TIMES

WASHINGTON

The government proposed on Monday the most significant overhaul of its media ownership rules in a generation, including a change that would allow television networks to own enough local stations to reach 90 percent of the nation's viewers.

That change — the result of increasing the ownership cap and simultaneously preserving a 1980s formula that discounts the reach of UHF stations — is part of the package of proposals that officials said appears to have the support of the Republican majority of the Federal Communications Commission.

The commission's staff sent the detailed plan early on Monday

evening to the five commissioners in advance of a final vote in three weeks. The commission has not formally made the plan public, though major portions have been disclosed Monday and in previous days by officials and industry experts.

The proposed changes represent the most important rewriting of the ownership rules in decades, permitting the largest media conglomerates to expand into new markets and own more properties in a single city. Analysts expect companies including Viacom and Rupert Murdoch's News Corp. to seek to expand their media holdings substantially. Others, such as the Tribune Co. and Gannett, may seek to acquire broadcasters or newspapers in cities where they already have a

presence. Media brokers and Wall Street bankers have begun advising clients on what is expected to be a scramble of mergers that will reshape the media landscape in many communities across the country.

In a recent interview and other comments, the agency's chairman, Michael K. Powell, has said that the revisions in the media ownership rules would be more modest than critics have maintained and that changes in technology and viewing habits, combined with court decisions and a congressional directive, necessitate that the current regulations be reconsidered.

The agency's two Democrats have expressed concerns with many aspects of the proposal.

FAA Revises Weight Requirements As Crash is Linked to Overloading

By Matthew L. Wald
THE NEW YORK TIMES

WASHINGTON

The Federal Aviation Administration on Monday told airlines flying planes with more than 19 seats to raise the assumed average weight of each passenger by 10 pounds, and the assumed weight for each checked bag by another 5 pounds to ensure their planes were not overloaded.

The notice sent to all airlines Monday gives them 90 days to adopt the new weight rules or to conduct their own surveys of passenger and luggage weight. The actions were spurred by the January crash of a commuter plane that may have been within the current weight rules but

may still have been overloaded. The National Transportation Safety Board is set to open hearings into that mishap next week.

Since 1995, most airlines have assumed a weight of 180 pounds per adult in summer and 185 pounds in winter; checked bags are assumed to weigh 25 pounds each.

Some airlines flying small planes with 19 seats or fewer have already raised their weight allowances by about 30 pounds, the FAA said Monday, after an order from the agency earlier this year to 15 airlines asking them to survey passengers and their bags and adjust their assumptions about their weights accordingly. Some industry experts said the new

weight requirements will mean that on some flights, mostly on smaller planes, cargo may have to be left behind or some seats go unsold.

"It's going to have an impact," said Diane Spitaliere, a spokeswoman for the FAA.

The order Monday is an interim measure until the agency can establish a committee of private and government experts to study the issue further. That effort is expected to take months or years.

Because the issue involves safety, no airline publicly disputed the agency's action, though some executives said that closer surveys of actual weights may demonstrate the new allowances were too high.

British Report Reveals Removal of Corpses' Brains

THE NEW YORK TIMES

LONDON

Nothing about Cyril Isaacs' death was easy, from the way he carried it out — hanging himself with the cord from an electric kettle — to the distress that his widow, Elaine, felt over the authorities' insistence on performing an autopsy.

But that was not the end of it. Thirteen years later, in 2000, Elaine Isaacs' inadvertent discovery that her husband's brain had been removed and handed over to researchers touched off a grim and far-reaching investigation into the fate of the brains of the dead.

On Monday, the government announced that as many as 22,000 brains had been removed, most without relatives' permission, from people who died between 1970 and 1999.

The rationale was research: research into sickness, research into the functions of the brain and research into depression and mental illness. So eager were officials to get hold of new brains for their studies that in one case, the report said, a hospital mortician was paid about \$16 for each fresh brain he provided.

Removing organs and tissues from corpses without relatives' consent was explicitly outlawed in 1999, after an earlier scandal at the Alder Hey Children's Hospital in Liverpool. In that investigation, researchers were found to have removed and kept the organs of 3,500 children who had died at the hospital, returning the bodies to the families without revealing that they were incomplete.

Cameras Capture a 5-Second Fireball and Its Meteorite's Secrets

THE NEW YORK TIMES

With meteorites, as with fine art, provenance counts for a lot. But much more is known about a van Gogh or a Picasso, say, than about most meteorites.

They come from space, sure, but beyond that little is certain.

Now, however, a meteorite has been found in southern Germany, and a precise orbit has been determined for it. The 4-pound rock, named the Neuschwanstein for the Bavarian castle near where it was found in July, is a remnant of a five-second fireball captured on film three months earlier by a network of tracking cameras in central Europe.

This is the fourth time in more than 40 years that a meteorite has been found after such cameras had photographed its fireball, said Dr. Pavel Spurny, the coordinator of the European Fireball Network and an astronomer at the Astronomical Institute of the Academy of Sciences of the Czech Republic. What is even more remarkable, Spurny said, is that the orbit of this rock matches that of the first meteorite discovered in this way, in 1959.

"The most unique fact is that two of these have the same orbit,"

It is not just coincidence, he added. The two are no doubt part of a stream of rocks, probably fragments of one parent asteroid in an elliptical orbit around the sun that extends nearly to Jupiter.

Thinking of Spending Your Junior Year at Cambridge (England)?

Open House for Freshmen in the
CMI Undergraduate Exchange Office, Room 6-203

Thursday, May 15, at 4:00 p.m.



The
Cambridge-MIT
Institute

Meet with CMI Staff, Students, and Faculty from
the University of Cambridge
Hear about the CMI Exchange Program
Ask Questions! Eat Food!

OPINION

Taking Crowding Seriously

The numbers can no longer be ignored. There will be crowding in Institute dormitories next year. MIT administrators have variously described the extent of this crowding as small and affecting a handful of students. Such statements do not appear entirely accurate. A quick calculation reveals that there are about 965 spaces for incoming freshmen next year, and as of last Friday, 1023 prospective freshmen have accepted their offers of admission. That number is likely to fluctuate — some 200 prospective freshmen have yet to reply, and historically 20-30 who accept change their minds and do not attend MIT — but the basic truth is that, if we are lucky, the Institute just got thirty more people than it can really house. That problem is doubled (or maybe tripled or quadrupled) because those thirty have to live in rooms with at least one other person; crowding will then directly affect a population about 10 percent the size of the incoming freshmen class. This is the best-case scenario. If fewer people than normal change their minds and decide to go elsewhere, or if a significant fraction of the 200 outstanding offers are accepted, the affected population could reach 10 percent of MIT undergraduates.

That prediction is bit dire, and The Tech does not want to imply that MIT will soon fall prey to locusts and earthquakes. On the other hand, we are concerned that administrators have not planned very well. Dean for Student Life Larry G. Benedict seems to have had a simple plan: target the number of incoming freshmen to avoid crowding. The target number, incidentally, was 1000.

MIT's plan does indeed seem simple. To paraphrase the journalist and commentator H.L. Mencken, for every problem there's a simple solution — a simple solution that's wrong. After all, even

if MIT had thirty extra beds for the Class of 2007, it would remain a dangerous proposition to shoot for an incoming class size that exactly equaled the number of beds MIT has to offer. It doesn't take a statistician to know that the chance of overshooting the target is about one-half. In the present case, MIT chose to set a target that overshoot the number of beds it likely had to offer. That choice is strange considering that both Chancellor Phillip L. Clay PhD '75 and Benedict last year pledged to eliminate crowding.

The Tech is not asking MIT to hire prognosticators, nor are we asking MIT to be ruthless about the size of its incoming class. But it is not unreasonable to ask for better planning. Don't shoot for 1000 freshmen when you have 965 beds. Be realistic — and aggressive — about dealing with housing-supply problems. Random Hall's end-time appears near, and East Campus needs renovations. That means MIT will need other sources of housing just to maintain current capacity, and do better than it has in the past. Graduate student housing has been undercut by an administration desperate to find beds for undergraduates. The rush to populate Simmons Hall on time resulted in a half-complete dorm still riddled with problems that was constructed at a cost of over \$70 million.

Fraternities, sororities, and independent living groups are also in need of help, and MIT needs their help as well. Benedict and others have said the FSILG problem is central to the crowding issue. That's true. If many of the current crop of affiliated sophomores choose not to leave their dormitories, crowding will again worsen.

MIT has housing problems. Administrators may or may not have accepted the depth of these problems. They appear not to have internalized the importance of serious, coordinated planning. It's time they do so.

From the Editors

Dear Readers,

With our unique position at MIT, we are intensely mindful of *The Tech's* responsibility to serve our readers accountably and to keep striving to improve our coverage. Next semester, Christine R. Fry '05 will replace Nathan Collins G as editor in chief, but our efforts to deliver a high-quality newspaper will continue.

Here is an update on some improvements we have undertaken this semester and are planning for next semester.

- We replaced our "World & Nation" news wire, previously from the *Los Angeles Times* and *Erik Washington Post*, with the New York Times News Service, which includes stories from *The Boston Globe*. We plan to bring you better local coverage and selections from *The Times'* Tuesday "Science Times" section.

- Backing up our longstanding prohibition on news staff involvement in the opinion section, we removed the news and features editors from the editorial board, the group that writes *The Tech's* editorials, in order to remove even the possibility of conflict between editors' roles in opinion and news coverage on the paper.

- We pursued aggressive and repeated followup stories, on issues such as orientation planning, the reintroduction of crowding, and the government's SEVIS international student registration system, in order to keep our reader's questions in the driver's seat in campus debate.

- We published an address for information about errors that call for correction, news@the-tech.mit.edu, and we conscientiously followed up on each report.

Next semester:

- We have asked a fixture in the MIT community, John A.

Hawkinson, to be our independent reader ombudsman. He can be reached at ombudsman@the-tech.mit.edu and will write an unedited column in this paper, serving as our liaison with *The Tech's* readership. We expect him to be critical and fair and to call us to account when we screw up. Please do not hesitate to contact him about the paper.

- We have appointed an executive editor with responsibilities including staff recruitment, and will step up efforts to attract new staff, especially graduate students. A critical shortage of reporters continues to be the major limitation on our news and features coverage.

- We will continue this year's reintroduced Features Section. The goal is to capture the tenor of what it is actually like to be an MIT student on an everyday basis and to diversify our coverage.

- We are pursuing ways to improve our accessibility and responsiveness to the MIT community, including "talk back to The Tech" seminars, where readers are invited to discuss and ask questions about the previous month of the paper with the editors.

The Tech is just a student group pledged to find out the truth and report it back to our readers. The people who work on it, few as we are, live down the hall from you and work on your behalf. We're proud of our reporting this past semester — and proud of our top-ranked status among American college newspapers, judged by the Associated Collegiate Press — but our real goal is to earn your respect and deliver quality news, and we will continue working toward those ends. Let us know how we can help.

P.S. Did we mention we're desperate for reporters and features writers? Join us next year or write for our monthly summer issues.

Letters To The Editor

Rebuilding the Old Man

In response to Vivek Rao's column last Friday, "You Can't Replace The Old Man," I would like to offer forth the point that New Hampshire's Old Man in the Mountain has been synthetically held together for many years using anchoring spikes, cables, and epoxy. Although the original formation was entirely natural, the article neglected the fact that without man's intervention it would have collapsed ages ago. The New Hampshire state government has already set the

policy that the Old Man of the Mountain is not a landmark to be left to its own devices and completely rebuilding the monument is just following with an already established maintenance policy. Vivek Rao should have

voiced concern when New Hampshire first decided to restore the monument, not when New Hampshire decides to repair the monument again.

George Waksman '05

Erratum

The headline on a May 6 article ["MIT Issues \$250 Million in New Bonds"] transposed two numerals in the amount of an MIT bond issue. As correctly reported in the article, it was \$205 million, not \$250 million.

Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of the chairman, editor in chief, managing editor, opinion editors, a photography editor, and an arts editor.

Dissents are the opinions of signed members of the editorial board choosing to publish their disagreement with the editorial.

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. *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. *The Tech* makes no commitment to publish all the letters received.

The Tech's Ombudsman, reachable by e-mail at ombudsman@the-tech.mit.edu, serves as the liaison between *The Tech* and its readers. From time to time, the Ombudsman writes an independent column reflecting the complaints, questions, and concerns of the readership.

To Reach Us

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. Please send press releases, requests for coverage, and information about errors that call for correction to news@the-tech.mit.edu. Letters to the editor should be sent to letters@the-tech.mit.edu. *The Tech* can be found on the World Wide Web at <http://the-tech.mit.edu>.



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From the Ombudsman

By John A. Hawkinson

The Tech now has an Ombudsman again, a position unfilled since December 2000. As Ombudsman, I serve as a liaison between the paper and the readership, advocating for readers. In this column, I'll try to cover concerns that have been raised recently about *The Tech*, both from without and from within, as well as my own views on how *The Tech* could use improvement. I come to this position from being a Critical Reader, rather than someone previously involved in *The Tech*; I hope to retain my external critical perspective.

At present, the world of journalism is abuzz with the news of the plagiarism on the part of former *New York Times* reporter Jayson Blair, who falsified dozens of articles (see Sunday's *New York Times*); Blair's fraud makes us all rethink our trust of what we read in print, and makes us question the legitimacy of the journalistic establishment. The consequences of his fabrications were greater than simply misinforming the *Times*' readers. It seems an opportune time for *The Tech* to reexamine its own credibility and to consider strongly the opinions of the readership.

There is fair latitude assigned to the position of Ombudsman. Many established newspapers such as *The Boston Globe* and *Washington Post* have Ombudsmen; for more information, interested readers may consult <http://www.newsombudsmen.org/>.

I'd like to respond to some recent issues that have been some source of feedback to *The Tech*; *The Tech* generally does not print responses to letters, so many negative letters appear to go unanswered. In the future, expect this column to have more timely and detailed responses; this issue's column is my attempt at the backlog (mindful of limited space).

April 18 ["Advertising Question"]: Brad Friedman G asks why *The Tech* donated space for a Navy recruitment ad in the April 15 issue. In short: last-minute oversight. Public service announcements are placed to fill space by the Production department, without direct oversight from others. Previously, because of exactly these concerns, the editor in chief and the Production department had decided not to run military recruitment PSAs, but this one was placed accidentally. "Oops."

April 25 ["A complaint"]: Richard Barbalace '97 writes, concerned both about the omission of a ":" from quoted electronic communication and the lack of verification of the quote with him ["Matchup Participants File Many Complaints," April 18]. The issue of quoting electronic communication (especially quoting zephyrs sent to public zephyr classes) will be further addressed in a future column. Richard was not contacted due to deadline pressure (the quote went in around 10pm), but *The Tech* is very concerned about quoting sources accurately. Here, the reporter considered the issue and concluded the ":" was not integral to the meaning. Reasonable people disagree on this, and personally I think the emoticon ("smiley") was important, but it's easy to see how not everyone can take the same meaning away. Reader response on this subject is strongly encouraged.

May 2 ["A Rebuttal from Mech E"]: Professor Neville Hogan writes concerning factual errors in an Opinion piece published on April 25, suggesting the facts should have been checked prior to publication. The pertinent editors agree, and in fact, *The Tech* did recognize that it was appropriate to fact-check in this case, and multiple man-hours were spent doing so. Unfortunately, in hindsight, it is apparent that the level of fact-checking applied was insufficient. This has been a learning experience for *The Tech*, and the editors intend more fact-checking in similar future cases.

May 6 ["A Capella Article Unnecessary"]: William T. Hafer '03 questions why *The Tech* published the April 29 article ["Talks on Studio Access Get Tense"], noting the lack of direct quotes and the reluctance of a capella groups to speak to *The Tech*. As Ombudsman, I don't know if I can stress how important it is for *The Tech* to print news regardless of the cooperation of the principals; otherwise, *The Tech* is allowing external parties to control whether or not it publishes, questioning the independence of its journalism. Talking to the reporter of this article, he points out that the article broke news to a capella groups that was quite pertinent to their contract negotiations. It raised important questions that had not been considered by many of the participants. I think the article was both timely and beneficial.

The Ombudsman welcomes your feedback, to o@the-tech.mit.edu. The opinions in this column are his own.

Arjun R. Narayanswamy

Fourteen months ago, I wrote a column ["The Obsessive Beaver," March 1, 2002] that looked back at my MIT career and a bit forward to the future. I took a stab at a question that was bothering me at the time: "What does it mean to be an MIT graduate?" I spoke of the reputation of the college, our myth of the "hard-working, hard-drinking engineer" and the advantages our degrees give us in a depressed job market. I lamented the tendency of college kids to take themselves too seriously, the outside world too lightly and to be complicit in MIT's systemically weak humanities program. That piece should have been titled "Nostalgia."

What has changed for me since then? Quite a bit. I graduated, losing my undergrad status (with associated institutional molycoddling). I moved off-campus and lost the dormitory environment (with associated pluses and minuses). I clean my own bathroom, and sometimes I cook my own food. And I went through a bruising series of interviews trying to find a job in the worst employment market in 40 years. I think I have a better idea of what it means to be an MIT graduate, both positively and normatively speaking. So let me revise myself from a year ago. What does it mean to be an MIT graduate?

First up — if there's one thing that I think the world expects of MIT graduates, it is technical excellence. We know our stuff. People know we know our stuff. We know people know we know our stuff. Hallelujah to that. MIT equals technical excellence.

Secondly, I often hear talk of us as "leaders

Nostalgia Redux

of the world." While it's easy to dismiss it as "Sloan-speak," it is important that every student in this school (including the ones that think MIT is beating down on them right now) understand it, and really believe it. In the grand scheme of things, we are really, really fortunate. We have things we can do — in our lives, and in the lives of the people around us — that are tremendously exciting.

I wrote about how MIT produces "builders" and not "thinkers". However, the world of the future requires a particular kind of technical and entrepreneurial leadership that I think we develop very well at MIT. Ways to make better drugs, faster computers, cheaper eye-glasses, better projectors. Pioneering research work. Stunning educational initiative (Project Athena and OpenCourseWare). Not as high-flying as Kofi Annan SM '72 perhaps. Nor as schmaltzy as Mr. Gates or Mr. Ellison. But, as my freshman advisor loved to say, technology moves so fast today that the landscape of many ethical debates of the future will be shaped by scientists, technologists and entrepreneurs. People like me and you will always flirt with the mantle of leadership — why not actively pick it up?

Okay, let's take stock. So far, MIT equals technical excellence plus leadership. What else could being an MIT graduate mean?

Let me take a normative position now. Graduating from a prestigious school such as ours should mean a sense of global social responsibility. For better or worse, the educational institutions of the United States of America are the intellectual capitals of the world. People who come here (especially for graduate school) are not the brightest kids in Nebraska, or in the U.S.A. They are the brightest kids in the whole wide world.

I'll admit here that my perspective is skewed by being a student from a developing country, but sitting in the freezing rain of Commencement last June, listening to the much-reviled James Wolfensohn of the World Bank speak, there was a message that I hope everybody — the students, the parents, the protesters, the troops in riot-gear — a message that I hope everybody caught.

Wolfensohn said that the challenge facing the MIT class of 2002 was "the challenge of global equity." It's hard to argue with this logic. The last year has seen military actions in Iraq and Afghanistan in reaction to events in New York. A SARS epidemic has threatened people in China, in Russia, and in Canada. We live in a world that's significantly more global than even the one I saw as a freshman in 1998. We're all in this together but it's stunning how far apart we actually are. As economist Joseph Stiglitz sometimes says, the cows of Europe are better off than millions and millions of starving people in Asia and Africa. There is hunger today, significant amounts of it, even in the United States. Is this really a good state of the world? Is it something that we should accept?

I'm not going to make a call for self-sacrificing martyrs here. However, it would be wonderful if every graduate at Commencement could keep alive this one spark, this one tiny bit of hope that the world *could* be a better place to live in, and that it *does* lie in our hands to make that happen. MIT must equal technical excellence plus leadership plus global social responsibility. And that's my hope for the Class of 2003.

Arjun R. Narayanswamy G is a member of the class of 2002.

A Worrisome Encounter with the INS

Bilal Zuberi

I am writing this so others, especially students from countries whose male citizens have to specially register with the Immigration and Naturalization Service, will not end up facing the kind of situation I recently faced.

My name is Bilal Zuberi and I am a citizen of Pakistan. I am completing my graduate studies at MIT and am expected to defend my Ph.D. thesis next month. My research advisor, a Nobel Laureate in Chemistry, recently invited me to join a field research campaign on air pollution in Mexico City along with a team of 150 researchers from the US, Europe and Mexico. I had an unfortunate encounter with U.S. immigration officials at the culmination of this research trip, an account of which is shared here to help other students.

I was expected to fly out to Mexico City from Boston on a Continental flight via Newark at 6:30 am on March 27th 2003. As a male citizen of Pakistan, I had specially registered in the Boston offices of the INS in January and remembered being told at that time to arrive at the departure terminal at least five to six hours in advance for international flights. Hence, on the day of my flight, I arrived at Logan Airport at 12:30 a.m., but found the airport deserted at that time of the night, except for the custodial staff. I was perplexed why the INS had asked me to come in early when the airport wasn't even open five to six hours before early morning flights.

Knowing that the INS offices were closed, I called the airline toll-free number and asked if they knew what citizens of Pakistan were expected to do. The answer I got from a rather confident male voice on the phone was that if the INS wished to speak to me they would stop me either in Boston or Newark and that the only important thing was to register when I reentered the country. At Newark, I asked the staff in the transit lounge the same question and I got a similar answer. Hence, I flew onwards to Mexico City, not knowing that I was in violation of an INS regulation the moment I crossed the border without getting an "exit interview" done with the INS.

A few days after arriving in Mexico City, I received an e-mail about another student who was denied entry by the INS for not having had an "exit interview" done. I read the e-mail in disbelief, realizing that I was stuck in a similar situation. I immediately called my lawyers in Boston — luckily I had contacts

with a law firm — and informed them of the situation. I wanted to know if I could do some paperwork while in Mexico City to let the INS know I had no intentions of breaking any regulation and that I had indeed tried my best to comply with INS requirements. My lawyer tried to find out more information but was told that all my hopes depended upon the person who would interview me and that she should prepare for posting bail and/or petitioning against the INS (now called Bureau of Customs and Border Patrol in the Department of Homeland Security) if I was detained or denied entry.

I arrived at the Newark airport on May 5th. I was not allowed to use a cell-phone and could not get in touch with my lawyers and friends who were frantically waiting to hear from me. I informed the immigration officer about my experience at the time of departure,

Students who have registered with the INS should read the information packets that were handed out carefully and double check their responsibilities.

and showed letters from my advisor attesting that he was personally aware of my efforts to find the INS since he had driven with me to the airport to drop me off. None of that made any difference to my case, and I was taken inside for a more thorough investigation.

What followed bordered on a criminal interrogation. The officer seemed aggressive and agitated that he had to deal with my case. I had to repeat my story several times and even though he took notes, it did not seem to register with him. I was scolded for listening to advice from the airline, and was repeatedly told that I may not be allowed entry because I was a violator of INS regulations. At one point he even tried to make me confess to breaking an INS law intentionally, but fortunately, thanks to legal advice, I did not comply. I kept repeating that I did not intend to break any law and that I had tried to get as much information as possible to make an informed decision. Fortunately, I did not lose my calm during this process, even though it was quite unnerving, and tried to talk him into at least listening to me patiently. He gave up upon my persistence, and informed me that his boss would make a final decision on me.

I was expecting a deportation when the officer came back after a brief meeting with his boss and announced that this was my "damn lucky day". I was being given the benefit of the doubt and was allowed to enter the country. God only knows what worked, but the decision depended on the whim of this one person and his boss, and I was not sent back to Pakistan weeks before my thesis defense. I was told that a note was made in my records about this and that any other

infraction of INS regulations would result in permanent denial of entry! I only thanked God for getting me out of this mess and breathed a sigh of relief.

What followed was tenuous logistics of special registration. Because of what appeared as a glitch in the registration software, I had to go through the entire special registration again: name, address, parents' info, friends' info, credit cards, finger prints etc. The process took nearly three and a half hours and I missed my flight to Boston, but I was just glad I was not deported.

Needless to say, the message to be derived from my experience is to be extremely vigilant about immigration laws. Students who have registered earlier with the INS should read the information packets that were handed out carefully and double check their responsibilities. Nobody should take these regulations lightly and one must not listen to any outside advice, other than the advice of the INS. The airlines are continuing to misinform their passengers and are to be least trusted. It is the responsibility of the traveler to make sure they get an INS exit interview, and not the INS's responsibility to be available at a given time. In certain cases, it may mean flying into the port of departure up to a day early to comply with the exit interview requirement. I was told by the INS staff at Newark that even if my ticket costs \$10,000 and I had 10 connecting flights taking me to my final destination, I should not leave the country without completing the exit interview requirement. One can always take a later plane, or deal with the hardships of awkward travel times, but if a person leaves without the exit interview, it can seriously endanger the possibility of returning to the U.S. As per my experience at MIT, universities are least equipped to handle such cases and perhaps it's not a bad idea to already have a lawyer in mind whom you can contact in case of any emergency. I know most students have not thought of this and in times of crisis, they would be glad they thought of all these issues in advance. The purpose of this note is not to scare people and raise unnecessary fear, but to caution and to increase awareness about the severity of the situation.

Finally, I can only repeat that during these difficult times when the Department of Homeland Security regulations seem complex, tiring, ever-changing and confusing, individuals from countries who are under tough surveillance should make it a priority to be extremely careful to comply with the regulations. Unfortunately, the penalty system is not proportional to the mistake when the "one strike and you are out" policy is being followed. While some of us continue to raise awareness and work on correcting biased, unimplementable and ill-structured laws, it is our duty to comply with all laws and regulations while we are visitors in this country.

Bilal Zuberi is a graduate student in the Department of Chemistry.

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ARTS

FILM REVIEW ★★★1/2

'Reloaded' — Take the Red Pill (Again)

'Matrix' Version 2.0: Visual Effects Are Stronger, Faster

By Kevin Der

ASSOCIATE ARTS EDITOR

The Matrix Reloaded

Written and Directed by Andy Wachowski and Larry Wachowski

Starring Keanu Reeves, Laurence Fishburne, and Carrie-Anne Moss

Rated R

What is *The Matrix Reloaded*? Control. Hyped. Perhaps overhyped. You have to see it for yourself. I'm not quite sure what to make of it yet. Before seeing it, I thought to myself with a certain degree of seriousness, "You know, it might not be that good." I was so wrong. Mostly.

It was as good as the original *Matrix*, for sure — and coming from someone who knows that the lobby scene is Chapter 29, that is no flimsy compliment. So, what happens in this sequel? In a sentence, Neo has to save Zion before the machines can destroy it. Enough said. For me, I guess understanding the sequel's story was a lot like trying to figure out the first *Matrix*. It wasn't completely clear the first time I saw the original, and that's what's going on here. Certain things, certain mysteries that went unanswered in *The Matrix* are explained in *Reloaded*, and some of them are complicated and come as a surprise. Putting it all together might take multiple viewings, not that you won't see it over and over anyway.

Sadly, there are still some awful moments of dialogue, mostly between Neo and Trinity. "Do you want to talk?" "I need you." "I love you." They're somewhat painful during delivery, but as the moment passes, they're forgotten as soon as the bullets start flying.

The visuals are, for the most part, amazing. What's seen in the trailers is just the tip of the iceberg. I certainly wasn't prepared for it. Neo's skills now include flying, and Morpheus can actually take on an agent now. Simply put, there's a lot of fights. I was disappointed with a certain scene that was completely computer generated; in a few places it was obvious and a tad unconvincing.

There are more references to religion and mythology to fuel those who loved analyzing the first film: new characters with names like Persephone and Merovingian, for example. There's more philosophy. The shot of Morpheus giving a speech to all of Zion has a somewhat obvious connotation. And the Neo-is-Christ notion is extended even further, an allegory that

someone with no more than a rudimentary knowledge of religion such as myself should be able to grasp. I thought that was a brilliant part of *The Matrix*, and it was particularly admirable of the Wachowski brothers to make *The Matrix* a better film for the cultured. But that's not why I kept watching it over and over. *The Matrix* has replay value because it's awesome entertainment. And *The Matrix Reloaded* takes that to the next level.

Here are a few things in store for you that will make *The Matrix* seem like *Battlefield*

Earth. A car chase almost thirty minutes in length, filmed on a two-mile stretch of highway custom-built for the shoot. Ghostly white-clad twins with dreadlocks who can phase out at will within the Matrix. A Chinese guy who holds his own against Neo. The Big Brawl.

And your definition of the word cliffhanger will change when you see how *Reloaded* ends. You'll beat the armrests in frustration, pissed off that *Revolutions* doesn't come out until November. Be sure to stick around after the credits, because there's a *Revolutions* trailer at the end that will just make you thirstier. Even I wouldn't spoil that for you. Whether you'll want *Revolutions* or *Return of the King* more, you'll have to endure a summer of crappy sequels and comic book films before you get to the good stuff.

Have fun on Thursday.



Neo (Keanu Reeves) is a fighting machine in *The Matrix Reloaded*.

CONCERT REVIEW

Catch Me, I'm Fainting

The Faint Rocks Show Without Statue Molestation

By Petar Simich

STAFF WRITER

The Faint, Les Savy Fav, Schneider TM

Roxy

May 11, 8 p.m.

The night at the Roxy turned out to be a mix of "When the heck are these guys gonna get off the frickin stage?" and "Wait, they're doing an encore already?" The first group to submit itself to the crowd was Schneider TM, a German techno/dance/pop/other stuff outfit fronted by Dirk Dresselhaus, who I could have sworn was British because of his Bernard Sumner (of New Order) crooning. This proves the old adage: if you need someone to play a foreigner and it doesn't matter if you need a Spaniard, Russian, or Indian, get a Brit to do it since all foreign accents sound like British Isle accents. Sean Connery in *The Hunt For Red October*, need I say more?

Dresselhaus and his two balding, glasses-wearing assistants put on an interesting show, but not interesting enough to buy an album. Dressed in white lab coats, they were constantly tweaking little knobs and doodads and hitting cymbals and drum pads to create a constant clattering of sound. None of their songs made me jump. They did a cover of a Smiths song to which several audience members screamed out their approval. From my calculations, these screaming audience members were 15-year-old goth girls. After knob-twisting for about five songs, Schneider TM wasn't pushing any of my buttons.

Oh man, let me tell you about the next band, Les Savy Fav. The photographer and I kept on guessing whether the balding guy with the beard that was setting up the microphone was a roadie or not. We knew pretty quickly when he started shouting. This was Tim Harrington at the reins. He is a nut.

Stage antics included molesting a lion statue, jumping around with a frog umbrella, and licking duct tape onto people's faces (don't ask). And when he took off his shirt

... well, he's not the type of guy you really want to see shirtless. Over all of his shouting, the three other guys in the band put out a heavy dose of post-punk, in-your-face chaos, but overall, their set seemed like it would never end. They got boring pretty fast. The only thing that kept me awake was the anticipation that an amp would topple onto Harrington.

Finally, The Faint came onstage, and the crowd went wild. These five guys sounded like they jumped out of the 80s. Their brand of new wave pop, complete with incredibly heavy synthesizers and that sound that you never thought — but wished — would die, infected everyone and had them bouncing along to the beats. Bassist Joel Petersen, synthesist Jacob Thiele, who, as someone pointed out, was completely in love with himself, and guitarist Dapose looked like Johnny Greenwoods: tall and skinny, with mops on their heads. Drummer Clark Baechle was producing some excellent and precise beats with the smallest drum kit I've seen. Somehow, it had a small but very noticeable electronic bass drum. I would have loved to have Dapose's job; all he did for each song was dance around, look cool, play maybe a total of 20 seconds of guitar licks in a three minute song and make

the crowd scream.

Todd Baechle had the crowd at his fingertips with his singing and tight pants. Backed by an incredible light and video display that was in sync to the nanosecond with the band — definitely the best I've ever seen — The Faint plowed into one song after another with the audience yelling for more. The greatest reaction came from their powerful performance of "Worked Up So Sexual," my favorite from their 1999 album, *Blank-Wave Arcade*. It unfortunately had a not-so-pleasant

visual component of flashing nipples on the display screen. I already had my fill of that from Les Savy Fav.

Heck, all of The Faint's songs were powerful that night. Rarely have I seen a band with as much energy as they had. The worst thing of the evening was that it seemed like they were on stage for half as long as Les Savy Fav. I could have listened and danced to The Faint all night long. I'm ready for their next show, and I've even got the spandex and hair gel at hand.



Todd Baechle, lead singer of The Faint, sings to a full house at the Roxy in Boston on Sunday night. The Faint are on tour promoting their new CD, *Danse Macabre Remixes*.

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CLASSICAL REVIEW

A Splendid Season Finale

David Alan Miller Brings Better Brahms to MITSO

By Bogdan Fedeles

STAFF WRITER

MIT Symphony Orchestra

David Alan Miller, guest conductor

Judith Gordon, piano

Kresge Auditorium

May 9, 8 p.m.

Guest conductor David Alan Miller brought a new face and look to the MIT Symphony Orchestra for its final concert of the season on Friday. Sporting a contemporary shirt, Miller arranged the orchestra in traditional style, with the few cellists left in MITSO buried where the second violins sit and the second violins on the "cello side" of the stage.

The alternate arrangement of the orchestra offers better balance and projection opportunities for winds and brass. Together with Miller's inspired conducting, the arrangement of musicians contributed significantly to the high quality of the performances.

The concert opened with Haydn's Symphony No. 44 in E minor, subtitled "Trauer" (Mourning), a piece of remarkable directness and force of expression. The faster movements came out clean, convincing and intense, sporting careful intonation in all registers, along with good rhythmic drive and dynamics. The orchestra captured the rage phase of mourning, but lost some of the momentum when conveying the resignation parts, depicted in the slower movements. Here, the sound lost intensity and clarity, especially in the string sections. The hypnotic canon of the *menuetto* was often drifting, while the sweetness of the parallel thirds and sixths in the Adagio was embittered by intonation issues. Overall, however, Haydn's Symphony came out as a solid performance. However, this was not done without reinforcement of Institute Professor John H. Harbison's commentary in

the last concert's program notes, which asserted that Haydn's music is especially challenging to play well.

The next piece, Harbison's "Piano Concerto," was the heart of the whole performance. Written in 1978, this work is beautiful example of good contemporary classical music. Perhaps because the concerto was "older than most of the people on stage," as Harbison put it, the piece was performed with an intense feeling of familiarity and devotion. The featured soloist, Judith Gordon, a Boston-area musician, displayed both a fascinating control of the piano and a sense of familiarity with Harbison's music as well. Her interpretation was precise, subtle, and intense, highlighting the unpredictable and unsettling nature of Harbison's musical language.

Generally, the balance between the soloist and orchestra was very good, allowing a natural change of focus from the piano's winding melodic episodes to the brass-heavy orchestral tutti. Gordon handled the cadenza superbly, providing an accurate touch and expressive attitude, but he gestured excessively, waving his hands, mock conducting and foot tapping in a way that proved to be distracting and way too unconventional.

The second and final movement of the concerto features a fresco of liveliness to oppose the unsettling, improvisational nature of the first movement. The three distinct episodes are titled "March," "Song," and "Dance," according to the program notes. The high-point of the whole movement was reached at the end of the song — a transcendent event — where the piano and the harp engage in a short pianissimo duet. Harbison's marvelous demonstration that the climax of the piece can also be its softest moment is overwhelming and unforgettable.

The second half of the concert revisited



WENDY GU—THE TECH

Guest conductor David Alan Miller leads MITSO in Brahms' Symphony No. 1 on Friday.

Brahms, who might have been demanding justice after the pale performance he received in the last MITSO concert. It happened that this time MITSO got it right. Brahms' Symphony No. 1 had a memorable performance, full of the pathos, intensity and romanticism required by Brahms' works.

Conductor Miller had already prepared a few surprises. First of all, the tempo of the introduction, *un poco sostenuto*, was interpreted with an emphasis on the *un poco* part; though the tempo was much faster than usual, in some odd way it worked, building a superb momentum from which the Allegro flowed naturally. The melody of the slow movement came out somewhat sweetly and heartfelt, but not quite heart-wrenchingly, mainly because of the incongruous string section. Yet, the intention of the music came out clearly, aided in part by fantastic wind solos.

The pastoral third movement sounded more involved and more filling, a very good setup for the overwhelming finale. Here, the apogee of the symphony received a brilliant performance, with well-directed fervency and tension.

The horn calls in particular sounded decisive and majestic; in fact, the whole brass section delivered a wonderful performance. Miller's intention to probe the limits of the *allegro non troppo* was evident, yet the performance — while fast — didn't sound rushed. In an attempt to rejuvenate the long and anticlimactic coda, Miller pressed the tempo in the end, getting too loud too quickly. Nevertheless, this novel approach is not without rewards, the end result being brilliant.

Given the ascending curve it followed during this year, we can hopefully expect even better performances from MITSO next year.

CLASSICAL REVIEW

A Rhapsody of Winds

Wind Ensemble Excels In Classical Masterpieces

By Bogdan Fedeles

STAFF WRITER

MIT Wind Ensemble

Fred Harris, conductor

Jonathan Lee, piano

Kresge Auditorium

May 10, 8 p.m.

Saturday night was the MIT Wind Ensemble's turn to gather classical music enthusiasts for an unusual concert featuring 20th and 21st century music. The novelty of some of the pieces presented — Brian Robison's *Congress of the Insomniacs* (2003), Michael Gandolfi's *Vientos y Tangos* (2002) and Jason Pelc's '06 *Rondo* (2001) — was balanced by some well-established masterpieces — R.R. Bennett's *Symphonic Songs* (1957) and Gershwin's *Rhapsody in Blue* (1924). Although the level of the performances didn't soar, the concert was enjoyable and enthusiastically received by the audience.

When it comes to completely novel music, I try to find meaning before I judge the originality of approach. Every musical piece should at least justify itself when performed. Masterpieces do even more, they establish new meanings. But in any event, music shouldn't be just a pure exercise of whim, trying to find an original way of expression just because it hasn't been found yet. I think that

contemporary music should justify better its boisterous adventures before raising any claims beyond the status of etude or exercise. At least, this was my impression of the world premiere presented by MITWE last Saturday, Brian Robison's *The Congress of the Insomniacs*.

According to the scarce liner notes, the piece is rather complex. It features eight soloists vaguely resembling a Baroque concerto grosso, but draws its musical substance from minimalism, jazz, and every other kind of music in between and too hard to classify. The piece starts with an ephemeral intro, sustained in the whole ensemble, to which the soloists add random notes here and there. An episode follows in which the soloists are featured alone, in some sort of recitative initiated by the flute. After some louder whirl in the tutti, a similar episode features the vibraphone and marimba and after some more agitation ends with a vibraphone hit. The piece certainly suggests the randomness of insomniacs wandering and stumbling around, but comes short of coming together as a beautiful musical experience in the more familiar sense. MITWE did a decent job in performing this complicated piece, although it did look like they were not completely comfortable with it.

Michael Gandolfi's piece, *Vientos y Tangos* (Winds and Tangos) sounds more approachable, partly due to his stated inspira-

tion source: the classical tango. The piece flows better, but fails to be completely fulfilling because of its unclear transitions and anticlimactic ending. MITWE played this piece more vigorously, with ensemble cohesion and more exact phrasing. The dynamic contrasts between various tango episodes were highlighted and the rhythmic drive was well sustained. Percussion surprises were delightful and naturally integrated, including unusual devices such as hand clapping and foot tapping. Aside from its unconvincing ending, the piece was enjoyable and well performed.

A surprise in the program was Jason Pelc's piece, *Rondo* for clarinet quintet. The piece is beautifully tonal, simplistic, and concise, yet it lacks any vital force. The romantic theme is melodious but fails to become fascinating because of its conventional treatment. This is a Rondo and we get to hear the theme three times; it sounds the same every time. The two episodes are more interesting, but not without problems. The first one lingers too long near the home key. The second features an overly abrupt contrast and, while its agitated character is convincing, sounds like a different piece. This is not to say that *Rondo* is a bad piece. On the contrary, the piece is cute and correctly written, a perfect example of an A+ final project Harmony & Counterpoint. The performance it received was good, but it could have been better. The clarinet quintet expressed the romanticism of the piece well, with good dynamics and phrasing, but fell a bit short of the ensemble sound and cohesion.

The new music wasn't really the high point of the evening. It is still the established masterpieces that make us appreciate the absolute beauty of classical music. The

evening opened with Robert Russell Bennett's *Symphonic Songs* (1957), a suite of dances and songs that show the composer's predilection for melody and the Broadway sound. The first movement, "Serenade," opened with jazzy chords and rhythms. It was lively but lacked cohesion. The softer middle section sounded better, well prompting the vibrant, concise ending. The dreaming "Spiritual" was well interpreted — warm and heartfelt — with good dynamics. Finally, "Celebration" came out exuberant, with good rhythmic drive and savory, jazzy effects in the brass. Overall, Bennett's piece was well played and thus uplifting and enjoyable.

The end of the program featured the most-awaited *Rhapsody in Blue*, featuring Jonathan Lee G as piano soloist, and a few other non-wind instruments such as violins and string bass. The clarinet opening sequence was handled well, but a bit shy and without vigor. The tutti's initially sounded calculated and a bit heavy but eventually fell into place. Lee offered a great performance of the difficult piano part of the rhapsody. His playing was witty, refined, and lively, but oversaturated with head shakes, especially in the slow, lyrical parts. Finally, the piano cadenza near the end of the piece highlighted Lee's accurate technique and virtuosity, eventually rendering the whole performance brilliant and fulfilling. The intense ovations and applause that followed were just a justification for that.

And now, *quo vadis?* Modern music has certainly some very good leads to follow and young talented people to struggle with them. MIT Wind Ensemble has a great potential to deliver good music, old and new, in remarkable performances.

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ART REVIEW

A Century in the Making

Isabella Stewart Gardner Museum Celebrates Anniversary with Exhibit

By Jacqueline O'Connor

STAFF WRITER

The Making of the Museum, A Centennial Exhibition

Isabella Stewart Gardner Museum

Until Aug. 21

Tucked away behind the vast spread of the Museum of Fine Arts and protected from the bustle of Huntington Avenue, the Isabella Stewart Gardner Museum is a little piece of paradise hidden away in a corner of southern Boston. The grand house stands cloaked in vines and surrounded by a tall wall that protects the treasures inside. Despite its mysterious outside, this museum, which holds an impressive collection of art and artifacts spanning hundreds of years, serves as a cultural haven for the city of Boston.

This summer, the museum has focused its special exhibit on the creation of the museum and Isabella Stewart Gardner's role in the growth of this unique gallery. The exhibit, which focuses on the entire process from the museum's inspiration to the completion of construction, includes diaries and letters of Gardner as well as photographs, blueprints, artifacts and quotes from friends during the time of construction. Each is well-documented and shows an intimate side to the museum and its creator.

Upon entering the exhibit, the first wall has large copies of the blueprints for the museum and a quote from the diary of architect Willard T. Sears. The quote describes Gardner's integral and sometimes forceful role in building the museum, her frank rejection of some of the plans, and even her firing of some of the masons. This striking opening to the exhibit sets the tone: Isabella Stewart Gardner, despite her forthright leadership tactics,

cared very much about the museum and its benefits for the people of Boston.

In addition to letters, blueprints and newspaper articles about the building of the museum, this collection also includes many of Gardner's scrapbooks, sketches, family photographs and miniatures by her artist friends including John Singer Sargent and Ralph Curtis. The scrapbooks were the most interesting part of the collection because they revealed the influences that shaped the museum. The pages showed papyrus from Egypt and watercolors from China as well as written entries about each place.

Isabella Stewart Gardner's travels heavily influenced her collection and the architecture of the museum. Her travels to Italy inspired the columns and arches in the walls of the magnificent courtyard, and visits to Asia gave her ideas about plants and flowers that show in the outdoor gardens at the museum. In addition to the architecture, the art itself follows themes from her experiences.

The most striking part of this museum, though, is the vastness of the art. It does not only hang on the walls but is integrated into every aspect of the house, the furniture and the architecture. The special exhibit highlights her relationship with Bernard Berenson, a young yet enterprising art critic who was instrumental in the growth of her collection. He worked tirelessly to find the perfect pieces to add to the collection while she used her amazing sense of taste and design to put it into a comprehensive museum collection.

A visit to this museum is like no other. It is overwhelming to see the number of priceless treasures so beautifully arranged within the walls of this cultural oasis. The special exhibit adds to the experience by providing a detailed history of the museum and all its charm. Isabella Stewart Gardner's dream of creating a unique cultural experience has certainly been realized, and will hopefully stay vibrant for centuries and centuries to come.



The Isabella Stewart Gardner Museum, under construction circa 1900.

ISABELLA STEWART GARDNER MUSEUM

VIDEO GAME REVIEW

Ikaruga: A Case Study in Old-School

Atari Revives the Joy of 2D Gaming

By Chad Serrant

STAFF WRITER

Ikaruga

Published by Atari

Made for the Nintendo Gamecube

Rated E for Everyone

\$49.99

The technological leap from 2D to 3D games was volatile. Challenge and clever design were traded for flashy graphics and loose controls. But there are still a few diamonds in the rough that

manage to be incredibly challenging, pleasing to the eyes, and well designed. *Ikaruga* is one of them.

The first hint of *Ikaruga*'s greatness is its developer, Treasure. They have been known for their quirky-yet-successful gameplay. The second hint is the game's genre: top-down shooter. It's the classic scenario where one heroic spaceship goes up against a giant robot armada. These games were quite popular back in the day and they were also incredibly difficult. Usually, the enemy would litter the screen with shots and it would be up to the

player to dodge everything.

Ikaruga follows this trend but it adds an interesting ingredient to the mix: color. The player's ship is either light or dark, and it can switch between the two on the fly. The enemies are also either light or dark, and they shoot light or dark bullets. The player can absorb bullets of the same tone as the ship.

This dramatically changes things. In a standard top-down shooter, players are required to avoid every single object on the screen. But in *Ikaruga*, players only have to avoid half of the objects. This is a good thing, because now the designers have an excuse to throw even more projectiles. Players have to switch colors constantly to safely navigate through enemy territory. Absorbing bullets of the same color also charges up the homing laser, so there are benefits to absorbing shots.

Using the opposite color has its benefits. The player

can deal double damage by hitting an enemy ship with its opposite color. This leads to an intricate balance. Play it safe or kill it quickly? The other strategy is chain combos. By destroying three light or three dark enemies in succession, more points are awarded. This technique helps the hardcore rack up huge amounts of points — and bragging rights — and it also adds more challenge. Sure, you can beat the game, but can you get the high score?

Atari did a good job publishing *Ikaruga* in North America. Because the game is a port of an arcade game — and thus has different dimensions than a standard television — the game has multiple display modes. The disc also has recorded battles in slow motion. For extras, it has added continuos, art galleries, and a bullet eater mode where one must beat the game without firing a single shot. It even has challenge mode, where experts can get a password for their high scores. They can enter the score on the *Ikaruga* Web site <<http://ikaruga-atari.net>> and compare it against other players.

The graphics are designed to get the job done, and they do. There aren't any bad textures or simplistic models, but at the same time, there are not a lot of fancy — and unnecessary — special effects. The color scheme for the game works well, as the player can always distinguish light objects from dark objects.

The sound does what it is supposed to do and nothing else. Shots, explosions, and big lasers all sound appropriate. The music is catchy and fits the genre very well.

Ikaruga took an old concept, added one small feature, and the results are pure bliss. This game is what old-school 2D gaming was about. Good gameplay, functional visuals, and a difficult yet satisfying experience. This makes *Ikaruga* the lost gem of 2D gaming.

RESTAURANT REVIEW

Valiant Ventures in Food Fusion

Bamboa Resists Cuisine Categorization

By Scott Lee

Bamboa

35 Stanhope St., (617) 236-6363

Hours: Tue.-Fri. 5:30 p.m.-1:30 a.m., Sat.

5:30

p.m.-midnight, Sun.-Mon. 5:30-10 p.m.

Prices: \$20-\$27. Three-course prix fixe for \$30.

When Bomboa opened in November 1999, it billed itself as the pinnacle of French-Brazilian cuisine. The last time I remember, the Portuguese colonized Brazil, not France. The only two things that these countries have in common is the fact their great soccer teams met in the world cup a few years ago. The traditional paradigms of French fusion cuisine — French-Vietnamese, French-Cambodian, French-Japanese — have been successful, but it just seemed like another dubious attempt at fusion that would not get published in any physics journal, or, for that matter, any food publication. Nonetheless, the hype around the restaurant the last several years has grown considerably: an Award of Excellence by the Wine Spectator, a top-five-notable Nuevo Latino restaurant in the country by Bon Appetit, and a Top 10 Best New Chefs award by Food & Wine Magazine.

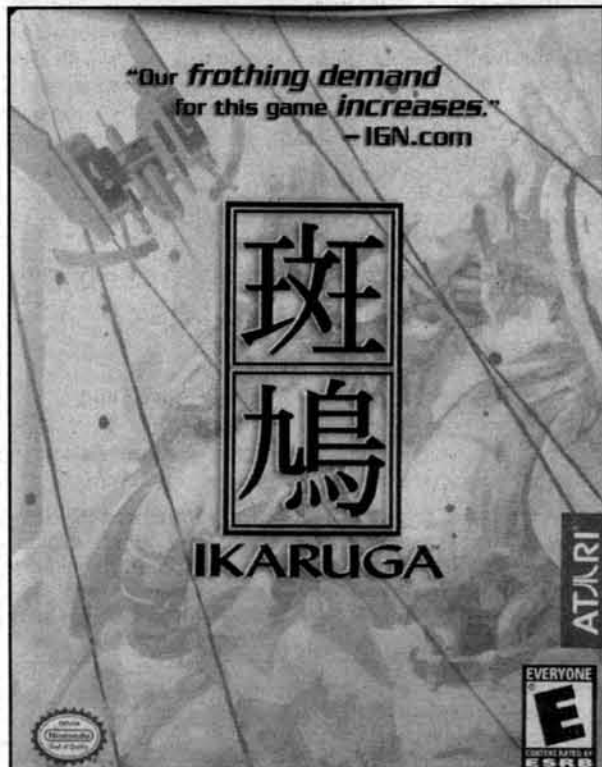
We began our meals with the baby green salad, which consisted of mango, cashews, hearts of palm, and a champagne vinaigrette. This simple dish was well prepared, and the eclectic combination of ingredients functioned well in texture and taste. All the same, this dish seemed neither French, nor Brazilian, nor a fusion of either cuisine.

The mussels with saffron white beans, chorizo, lime, and chicharron, however, were exquisite. Normally, a dish of mussels comes loaded with shells — so many that they are there simply for presentation. Once the shells are gone, there really is nothing much left to eat. The Bomboa was pure meat and no shells, simmered in a fatty sauce that was rich in bacon flavor and cooked perfectly. I've always despised chicharron as some nasty accoutrement to Latin cuisine, when nothing else is left on a pig to cook. It worked extremely well here, though.

The entrees we sampled included a pan-seared artic char, a Scandinavian fish with a trout-like flavor, that was presented with a corn tamale, arugula, and curried lobster broth. The first of these, a small Mexican tamale, was a mini-dish by itself. With a gelatinous core, it melted in my mouth and was as good as all the tamales I've had in Mexico and Ecuador. The broth was also superbly prepared, with an aroma that that wafted throughout the whole restaurant. The other main course, a steak frites, was much more French, but the chimichurri sauce didn't really do it justice; there was only a small dab of it sitting in a small cup on the side. The legions of French fries covering the steak also were somewhat unpalatable. As far as a hangar cut goes, this was very average.

The dessert entrees were very impressive. Chocolate bunnies with egg natilla and fresh fruit was presented in a stunning matter, with a custard congealed within a fragile egg shell. The taste likewise was unusual, yet flavorful. The coconut bread pudding was created with caramelized mango and was also successful in presenting fusion cuisine.

Each restaurant in Boston feels the necessity to categorize its cooking — fusion of this cuisine and that — but the cuisine at Bomboa does not fit any category. The use of Asian ingredients with South American ones, combined with French techniques, defy any singular category. Therefore, it is silly that Bomboa feels the need to present itself as such for marketability. The food was excellent irrespective of the multitude of influences that combined in its creation. The *prix fixe* menu is probably the best bargain in the city of Boston for such outstanding cuisine. The sleek steel minimalist décor and superb service are only the icing on the cake, or the natilla on the pasteles.



DANCE REVIEW

*And All That Jazz!**Ballet, Tap, Hip-Hop, and More at Dance Troupe*

By Marjan Bolouri

STAFF WRITER

Dance Troupe

Kresge Little Theater

May 9, 8 p.m.; May 10, 4 p.m., 8 p.m.; May 11, 2 p.m.

Anyone who has been to a Dance Troupe show knows the feeling of anxious anticipation, that high-pitched electricity buzzing through the theater after the lights go down. It culminates in enthusiastic catcalls and shouts from the audience while the dark shadows of the dancers take their marks for the first number. The viewers are a privileged group: after all, what other campus arts event begins with a swarm of vulture-like MIT students dashing madly for the best seats in the house? This year's spring show, "Fervor," took hold of that energy and ran fully charged for an unforgettable two hours.

The show was delightful, with a colorful blend of unique styles, revealing that the group is capable of much more than the hip-hop it's known for. One of the most original concepts, "Cosmic Girl," recalled the retro-futuristic feel of *The Jetsons*. Six women donning electric blue bobs hypnotically swayed to smooth Jamiroquai lyrics, their taunting smiles and mechanical coordination conjuring images of femme-bots with deadly dance moves.

Anyone familiar with Korean pop acts, and even those who aren't, would appreciate the parody "Kpop Medley," in which dancers mocked the styles of stars like Lee Jung Hyun and Park Ji Yoon. Luckily, the program included a substantial amount of background information that helped tremendously in

appreciating the dances.

Providing a cultural balance, the show incorporated a bhangra dance from MIT's South Asian Culture Show. Popular hip-hop beats combined with Indian classical moves drew the crowd's applause to a deafening roar. Other dances of notable uniqueness include the Goth-themed "Rejection" and the introspective, lyrical "Focus."

The dancers of "Sing Sing Sing" made valiant attempts to stay synchronized during long tap sequences but failed occasionally. Admittedly, rounding up a team of tap experts at MIT must be no easy task, and the enthusiasm with which the dancers performed helped conceal the fact that their legs moved in different directions.

All was forgotten when the men of "Sausage" took the stage, sporting sharp outfits and even sharper moves. The comical interlude might have looked like something from Sigma Kappa's Late Night, but the hilarious dancing left the audience chanting, "We love Sausage!"

On the subject of costumes, how many parachutes died to make the humongous UFO pants worn throughout the show? After their first few appearances, the oversized cargo wind pants lost their cuteness. The outfit selection reflected more diversity than in past years, however. Especially noteworthy were the bohemian calico dresses and headscarves of "Summertime."

The three hip-hop numbers were crowd-pleasers, as always, which begs the question: do MIT students suffer from a dearth of provocative dancing in their daily lives? "Southern Hospitality," "Hip Hop, It Started Out In The Heart," and "Rumble" laid down ill beats and sharp steps.

The pieces ran the gamut of technical difficulty. At one end of the spectrum, "Just A Little Longer," a crowded Gap commercial set to Linkin Park music, fizzled with generic moves and a lukewarm reception. At the other extreme, however, the sensational moves of Jackie Ou G and Garrett Peavy '04 exhibited daring and flawlessness. Exciting lifts and dramatic tosses drew gasps from the audience followed by immediate applause that lasted well after the music ended.

Occasionally, campus critics assail Dance Troupe for sacrificing impeccable technique for size or easy crowd-pleasing party moves. But part of what makes Dance Troupe such a popular organization on campus is its ability to incorporate all skill levels while remaining devoted to the pursuit of excellent dance.

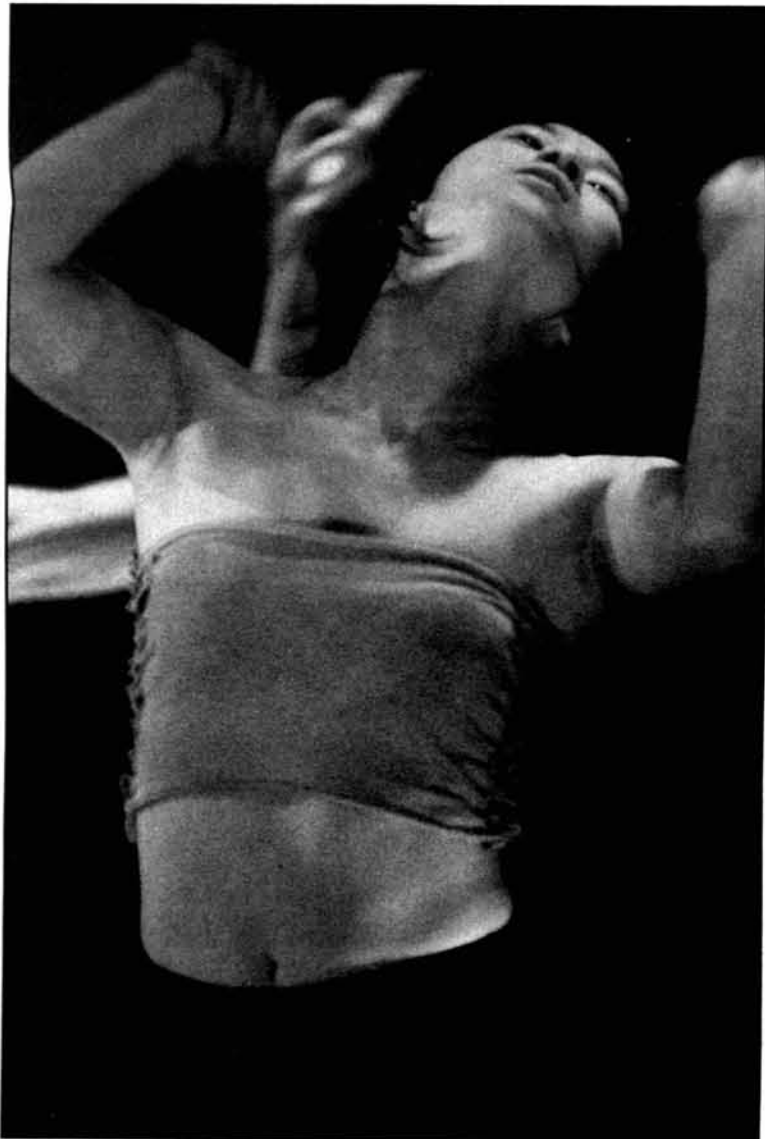
The amazing Chicago medley "The Vaudeville Rag" exemplifies how professional technique is not required for an outstanding performance. Flappers doing the Charleston to "And All That Jazz" and scantily clad inmates doing the "Cell Block Tango" transported the audience back to the movie without too much flashy footwork.

In its ninth year at MIT, Dance Troupe



AARON D. MIHALIK—THE TECH

has grown into the largest and most prominent dance organization on campus. The shows consistently sell out as MIT students see the productions as a study break, perhaps an opportunity to view their lab partners in costume, and a foray into the world of arts that is all-too-easily overlooked in a life spent before a workstation. "Fervor" proved that the group continues to grow in stylistic diversity.



DONG WANG—THE TECH



WAN YUSOF WAN MORSHIDI

Top: Garrett D. Peavy '04 dips Jackie Ou in "I've Got to See You Again."

Above: Bethany Lyles breakdances in "Rumble."

Left: Jackie Ou dances in "Hip Hop, It Started Out In the Heart."

Bottom left: Judi Ramiscal '04 performs in "Rumble."

Below: Julia L. Chang G performs in "Kpop Medley."



DONG WANG—THE TECH



AARON D. MIHALIK—THE TECH

-The Greek Community-

• a year in review •

-Report From the IFC Executive Board-

This past semester the Interfraternity Council has produced many changes in to the organization of the greek system. Rebounding from officer resignations last fall, the IFC Executive Committee has made strides toward rebuilding the IFC's credibility. The officers have spent a lot of time improving the programs the IFC offers and seeing that it fulfills the goals the fraternities set for the officers.

First, risk management: at the beginning of the term, a new risk management policy was put in place. It clearly spells out the risk management for fraternity events. The IFC Risk Manager is working with houses to make sure any risk management problems are corrected; the hope is that each house will be more proactive and forward-looking with risk management guidelines to ensure the longevity of each house.

Second, judicial processes: a new set of Judicial Committee Bylaws was put into place, since the old system was not working. Gone are the days when members of the IFC community look for reasons to shut down fraternity parties. Instead, the IFC Risk Management Consultants try to work with houses during events to ensure a safe environment. Any infractions of the Risk Management Policy can be referred to the Risk Manager, or to a peer tribunal. The hope, again, is that IFC will not have to punish houses, but instead promote a safer environment.

Third, communication: the new IFC website (<http://ifc.mit.edu>) is centralizing information for the fraternities to make communication easier for both Exec and the houses. Houses no longer have to fill out paper forms for event registrations or for membership updates. The site will continue to be improved over the summer. In terms of communicating the achievements of individual houses to the rest of the community, the External Relations Chair has set up the Greek Letter to improve IFC publicity and visibility.

Fourth, recruitment: the official Rush period is September 5 – 14, several weeks before last year's. The IFC bombarded prospective students with information about fraternities and held a parents' reception during CPW. This year's recruitment mailing and CD are in the works and will be sent over the summer. The Rush website should be up in the next few weeks. We are working on a system-wide referral system. There will be several IFC and joint IFC and Dorm events during orientation. We expect the turnout for Rush will be significantly higher than last year, owing to earlier timing and more active promotion.

Next year will see more changes in IFC programs. The New Member Education program will be revamped to better complement each house's program. The Executive Committee is constantly looking for other ways to improve the programs in place and will continue to do so over the summer and in the fall.



-Report from the Panhel Executive Board-

This semester has been one of remarkable energy and redirection for the Panhellenic Association. After a successful spring recruitment, new Panhellenic officers came in with amazing new ideas and were eager to implement them right away.

Specifically, this term Panhel has been active in providing innovative and meaningful programming for its members. The Health and Wellness chairs, Sheila Krishna (KAΘ) and Kaitlin Lewis (KAΘ), organized numerous events this past term in the interests of promoting the physical and emotional wellbeing of Panhel's membership. For example, in February, they worked with MIT Dining, Sodexo, and several other groups to have a study break in Lobdell. About 120 people attended, including both people in Panhel and unaffiliated girls. In addition, Panhel's Social chairs, Kathryn Auw (AΦ) and Catherine Weng (AΦ), presented the second annual Panhellenic Carnival this spring. Furthermore, Panhel's Community Service chairs, Michal Ganz (AEΦ) and Jill Jin (KAΘ), ran an event during CPW where incoming freshmen and sisters made mobiles for Charles MGH. Finally, one of the External Relations chairs, Swati Saini (AXO), has worked with IFC to produce a joint newsletter, *The Greek Letter*, that has been released twice this term.

To conclude, I would like to recognize those groups who received awards during the second annual FSILG awards banquet.

Panhel will be sponsoring many more events in the coming term. Have a great summer, we look forward to seeing you all in the fall!



2003 IFC Award Recipients:

Larry Benedict, Barbara Baker, Amado DeHoyos, David Rogers, Frank Council, Laura Martin, Steve Tyrell, and Danny Trujillo for outstanding contributions to the fraternity community

IFC New Member Ed:

Phi Kappa Theta for a strong, well-balanced, forward-looking new member education program

Killian Award:

Phi Delta Theta and Zeta Beta Tau for outstanding chapter programming in philanthropy, community service, and community relations



Wadleigh Award:

Phi Delta Theta for a strong faculty relations program

Chapter of the year:

Kappa Sigma for outstanding contributions to the IFC community and for continuous improvement to chapter operations and programming

Fassett Award:

Lauren Owens for being very involved in both IFC and LGC and for being an outstanding member of both communities. Larry Colagiovanni for hefty involvement in IFC and his house over the past 3 years.

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Groups Nominated:

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|--|---|---|
| 13SEAs Course 13 Student
Engineering Association
Advocates for Awareness
Alternative Spring Break
Anne Kloimwieder
ARCTAN
Assoc. of Taiwanese Students
Ayanna Samuels
Cassie Huang
Club Sports Council
EASE
Eric Konopka
Figure Skating Club
Harel Williams
Hawaii Club
Igor Pavlovsky
MIT Hunger Action Group
Jamy Drouillard
Jason Alonso
Kasetta Coleman | Keanu Nishimoto
Kyle Rattray
Latino Cultural Center
Lebanese Club
Lecture Series Committee
Manish Bajaj
Marissa Raymond
McCormick Hall RAA
Mes Latino
Michael Short
MIT Ballroom Dance Team
MIT CSSA
MIT European Club
MIT Hillel
MIT Model United Nations
Next House RAA's
Parul Deora
Patrick Nichols
MIT Debate Team
Rebecca Deng | Regina Sam
Reuben Cummings
Rohit Gupta
Samuel Korb
GSC-Airport Program
Sara Pierce
Sasha McGee
Setu
Sharotka (Xu) Godzina
Sidney & Pacific Exec Council
Simmons Hall
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Solution to ChessMate
from page 21
1. Rh4+gxh4 2. gxh6 3. g4checkmate

Solution to Crossword
from page 21

L	A	N	C	E		C	O	P	E		S	T	A	R
I	D	I	O	M		A	M	E	S		P	A	C	A
M	A	S	Q	U	E	R	A	D	E		P	A	R	T
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			P	E	T	E		L	I	N	T			
F	A	K	E	F	I	N	G	E	R	N	A	I	L	S
O	M	E	R	T	A		R	R	S		R	E	T	
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I	N	N		H	O	E		G	U	I	N	E	A	
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R	U	S	H		T	E	S	S		O	P	I	N	E

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Vandiver: Minority Research Participation Improving

Survey, from Page 1

ties Program (UROP) faculty director, said that “we have known there was a lower participation rate” for under-represented minorities, but in the last three or four years the “participation rate has begun to increase.” He said that the increase was on the order of 20 percent more under-represented minorities in research projects than there were three or four years ago.

He said that MIT and UROP have been making an effort to reach out to minority groups in the past few years as a result of the disparity. Michael Bergren, assistant dean for academic and residential initiatives, said that “increasing under-represented [minority] enrollment has definitely been a goal” of the UROP office.

“In the past, there has been funding specifically set aside” for minorities, in part funded by Gener-

al Electric, Bergren said, but that the program ended after General Electric stopped offering funding.

Vandiver suggested that in order to increase student participation in research, “dorms and living groups should be reaching out to faculty more.” He said that one venue is the Housefellows program, through which MIT provides money for a faculty member to hold social events with living groups.

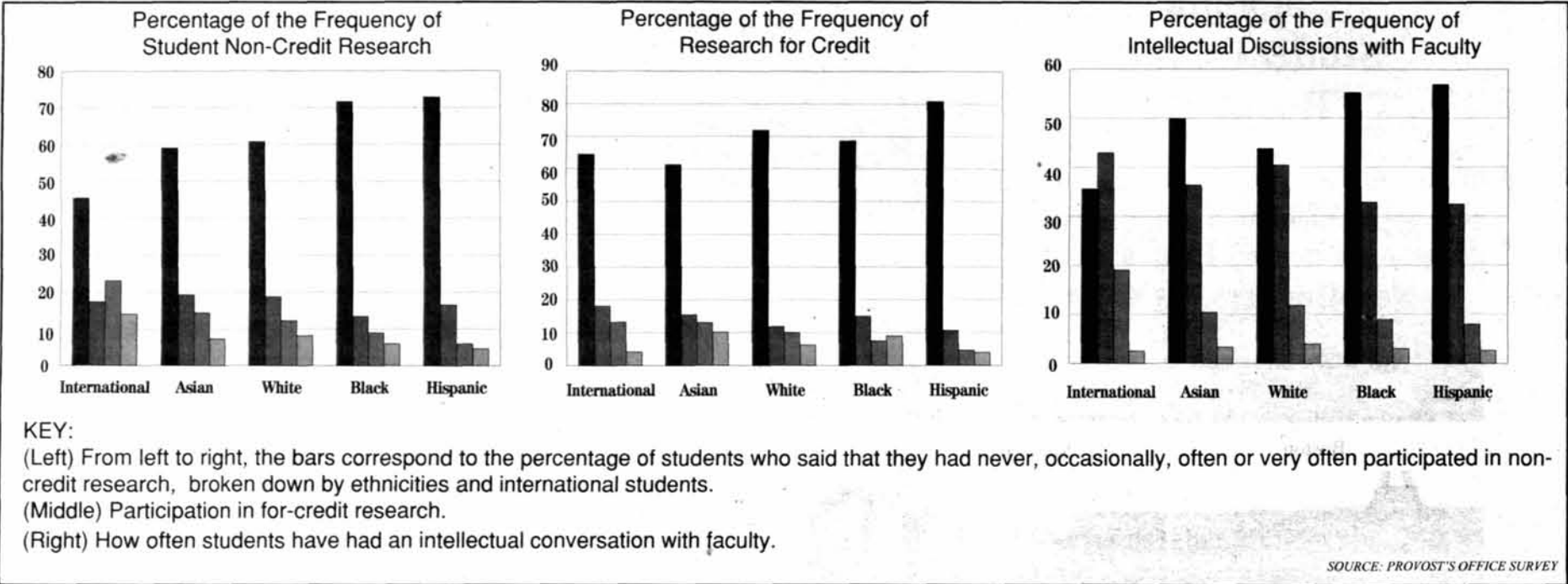
Across the entire sample, 67 per-

cent of survey respondents said that they had not done non-credit research and 60 percent said that they had not done for-credit research. Forty-six percent said that they had not had an intellectual conversation with a faculty member.

“I’m not surprised” about the student-faculty conversation statistic, Vandiver said. “I think 50 percent is actually pretty good,” considering the number of students who are shy about talking to their profes-

sors after class, he said.

The survey, sponsored by the Office of the Provost, was administered this spring and received a response rate of 43 percent, or about 1,750 students. The survey addressed topics ranging from binge drinking to interaction with faculty members, with respect to activity in the past year. For each question, students could select from answers of “never,” “occasionally,” “often,” or “very often.”



New Information Display System, Other Changes Slow in Coming

Lobby 7, from Page 1

yesterday.

Door renovation possible

Renovations to the lobby are complete but an upgrade of the entrance doors to include an air lock is possible, said David Fixler, the lead restoration architect from the firm Einhorn Yaffee Prescott that manages the project. The air lock would prevent drafts from entering the lobby during the winter months.

Reiter said that any work on the

doors would be a compromise between controlling the temperature of the lobby and preserving the architecture of the doors and curtain wall. There are currently no firm plans to upgrade the doors.

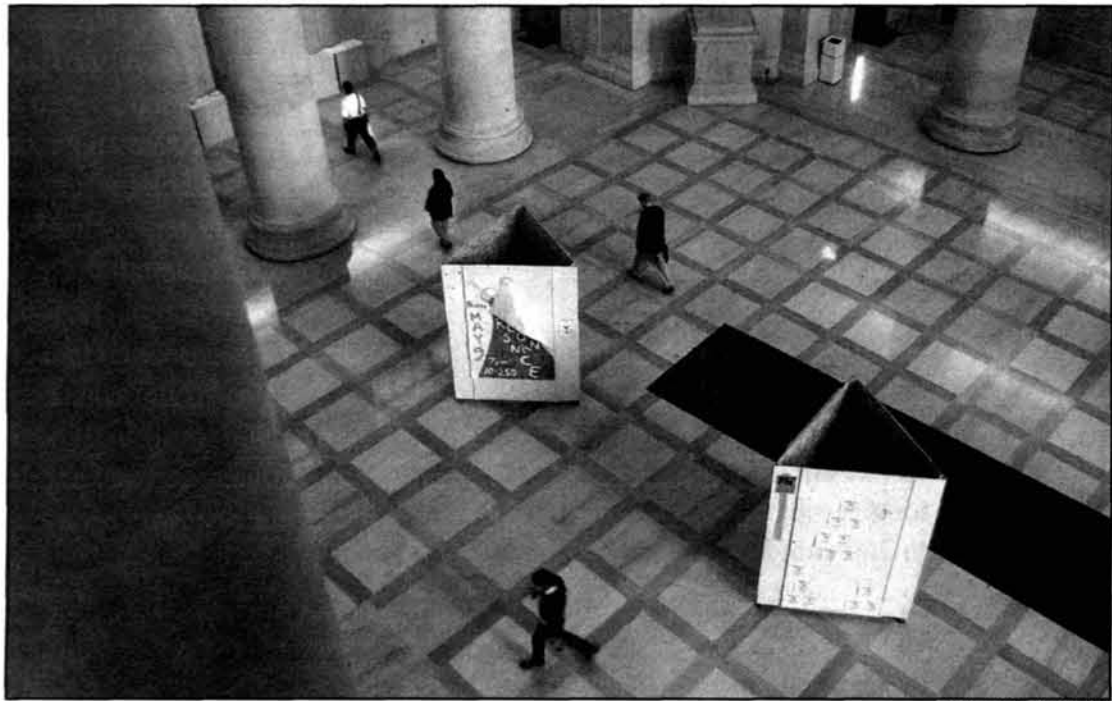
Plans for new signs still on

Previous plans for a new information display system to replace the drop posters which graced the lobby before its renovation are moving forward slowly. According to Reiter, the group in charge of Lobby 7 has “taken something of a go-slow

attitude.”

Questions about how to manage and organize the content that might be displayed on proposed flat screen displays and additional scrutiny of funding because of Institute-wide budget cutbacks have led to a “slower process than I might like,” he said.

Reiter said that the current Lobby 7 is “more lifeless than it needs to be” and that plans for a display system hope to “get more information into that space in a way that is respectful to the architecture.”



The current Lobby 7 kiosks, made from leftover construction materials, will be replaced with permanent aluminum and stainless steel kiosks. Other renovations, including flat-screen information displays, have been delayed by Institute-wide budget pressures.

Circuits and Electronics Taking a New Approach

By Jay Cameron

STAFF REPORTER

The end of the term marks the successful completion of the first semester of 6.002ex, a novel approach to teaching Circuits and Elec-

tronics. The brainchild of Professors Hal Abelson and Gerald Jay Sussman, 6.002ex is an experimental version of the traditional 6.002 and teaches the fundamentals of the lumped circuit abstraction with a twist. The course implements an experimental teaching method which brings in experts from the field, improves the student-to-faculty ratio, and incorporates practical applications into the coursework.

“The course tries to motivate the material with connections to the real world,” said 6.002ex tutor Philip Greenspun ’82.

One major way that the course tries to achieve this goal is by replacing standard recitation periods with tutorials. Traditional recitations are taught by teaching assistants that cover mostly lecture material and problem set material. MIT alumni teach the experimental tutorials, and they are focused on real-world case studies.

The idea of a case-study system comes directly from Harvard Medical School, where, rather than many hours of lectures, students learn through case studies facilitated by medical doctors drawn from the area. 6.002ex is an engineering version of the Harvard Medical School case study system with engineers instead of physicians.

‘Real world’ experience

“We still use and learn the same theory [as 6.002], except we use practical examples,” said 6.002ex student Daniel R. Jacobs ’05. In one case study, students might learn about home wiring or amplifiers. In a more difficult one, they might analyze different parts of an AM radio or an X-10 remote camera system. A case study this past semester even sent students on a trip with the Department of Facilities to learn about power distribution at MIT.

Class lab work allows some case studies to be more hands-on. After learning about amplifiers, 6.002ex students proceeded to build them in a lab. To the frustration of some students, the amplifier lab even included instructions which purposely caused the circuit to break. Students then had to deal with the frustrating real-world problem of replacing burned-out transistors.

In an advanced 6.002ex lab, students constructed an AM radio from a 1978 kit. Initially, students were given a breadboard on which they had to solder resistors, diodes, capacitors, and oscillator coils following the step-by-step instructions. Students calibrated and tested the AM radio in stages before placing everything on a printed circuit board and putting a case around it.

In the AM radio lab, “we’re building something that’s actually useful,” said Gabriel A. Lopez-Betanzos ’05.

Student-faculty ratio important

Around twenty students are enrolled in 6.002ex this spring term. The low student to faculty ratio compared to most other introductory classes at MIT is apparent at the lectures, when a relatively small number of students are juxtaposed with at least two lecturers and a handful of tutors.

Homework for 6.002ex, unlike homework for traditional 6.002, is done cyber-tutor style over the Internet, and when students have problems with the homework, the instructors make sure they have help. In addition to their lecturers’ office hours, students also have access to a number of the alumni tutors, and Abelson makes his home phone number available.

The setting for the class lectures is laid back. Professor Sussman, wearing his engineer’s costume: a pair of glasses, a complex plaid collared shirt, and a pocket protector, interacts both with the class and with the other instructors between his presentation of equations and schematics.

“It’s obvious that professors Abelson and Sussman put a lot of time into it,” Lopez-Betanzos said. “All the staff is really excited about it. That helps us a lot.”



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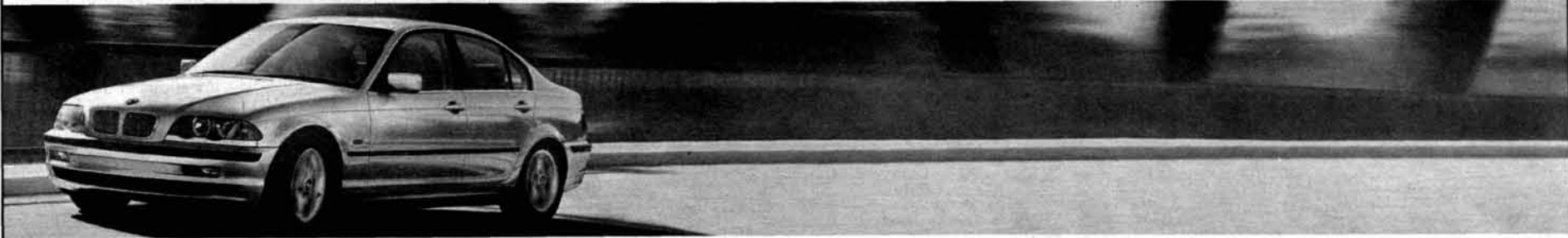
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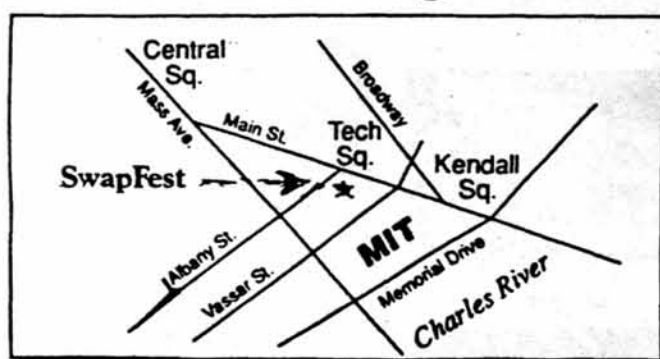
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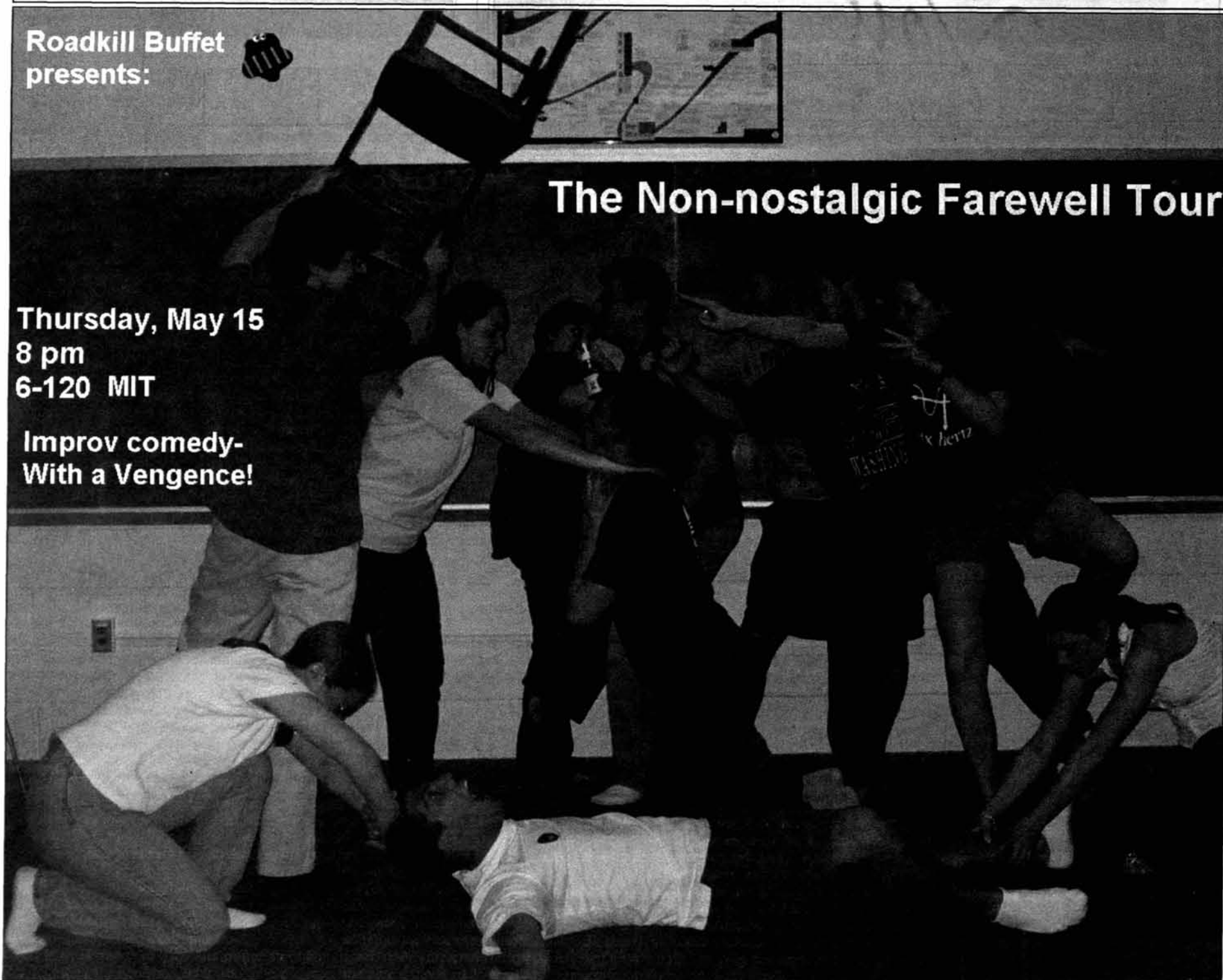
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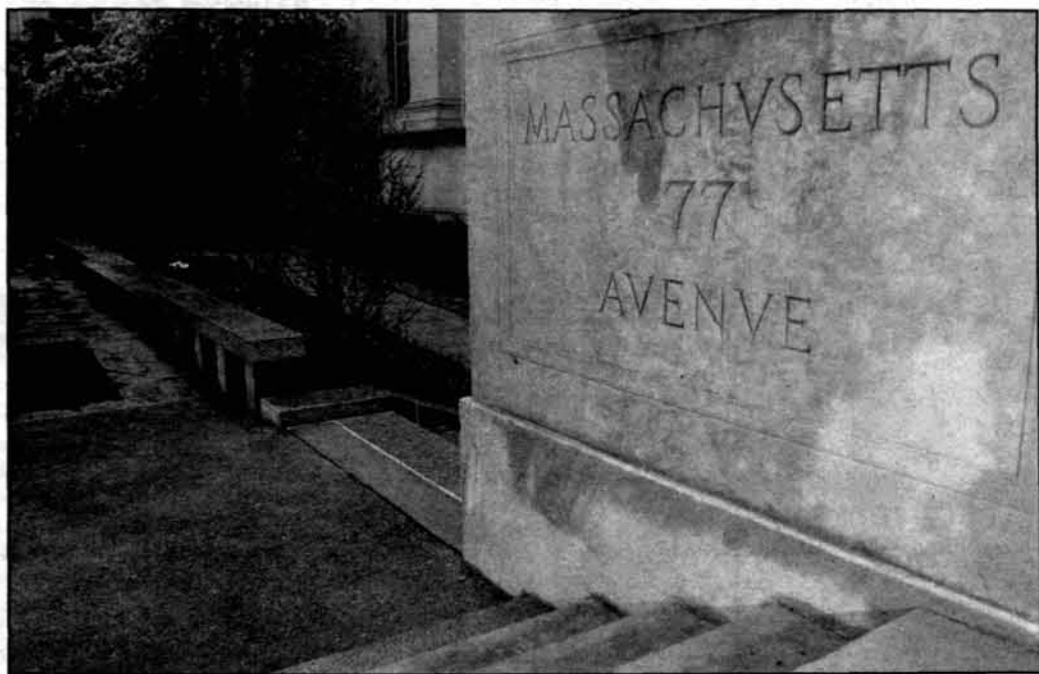
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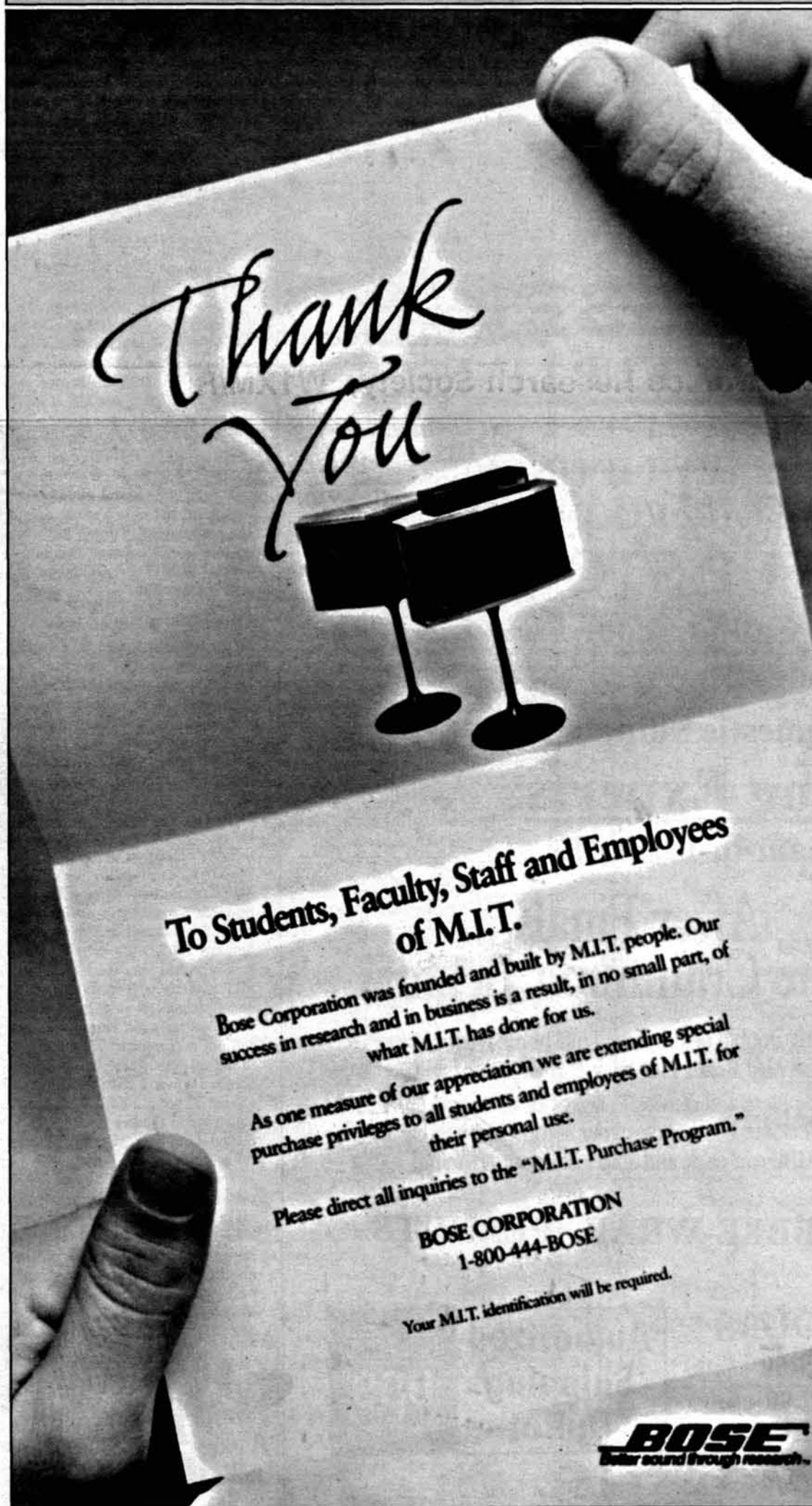




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Questions? Contact Audrey Wang (audreyw@mit.edu), MIT
Biomedical Engineering Society, VP of Special Programs

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CAMPUS CONSTRUCTION UPDATE

Vassar Streetscape

On Tuesday, May 13, from 5 a.m. until 3 p.m., the entrance under Building 39 will be closed to all vehicular traffic for road paving in conjunction with the new landscaping and security gate. Pedestrian traffic may continue in designated areas. MIT passenger vehicles should enter using the Mass. Ave. entrance under Building 9.

Vassar St. Utilities

Steam manhole work on Main St. near Building 48 will continue for several weeks, possibly affecting pedestrian and traffic flow. Pedestrians will be diverted around the work area at Main Street and Building 48 as work progresses. Work continues at the Main St. intersection; pedestrians will be diverted by police detail.

Brain and cognitive sciences project

Demolition of Building 45 is complete. Removal of foundation is in progress. Contractor has started mobilization and installation of trailers between Building 44 and railroad tracks. Traffic to the Albany Garage has been rerouted to the N10 annex lot.

MDC Memorial Drive Rehabilitation Project

Work continues on the removal of the third travel lane and the parking aisle on the eastbound side of Memorial Drive. Work on the underpass bridge at the intersection of Mass. Ave. and Memorial Drive continues. Work from the Mass. Ave. bridge to the Cambridge Parkway Extension continues. a

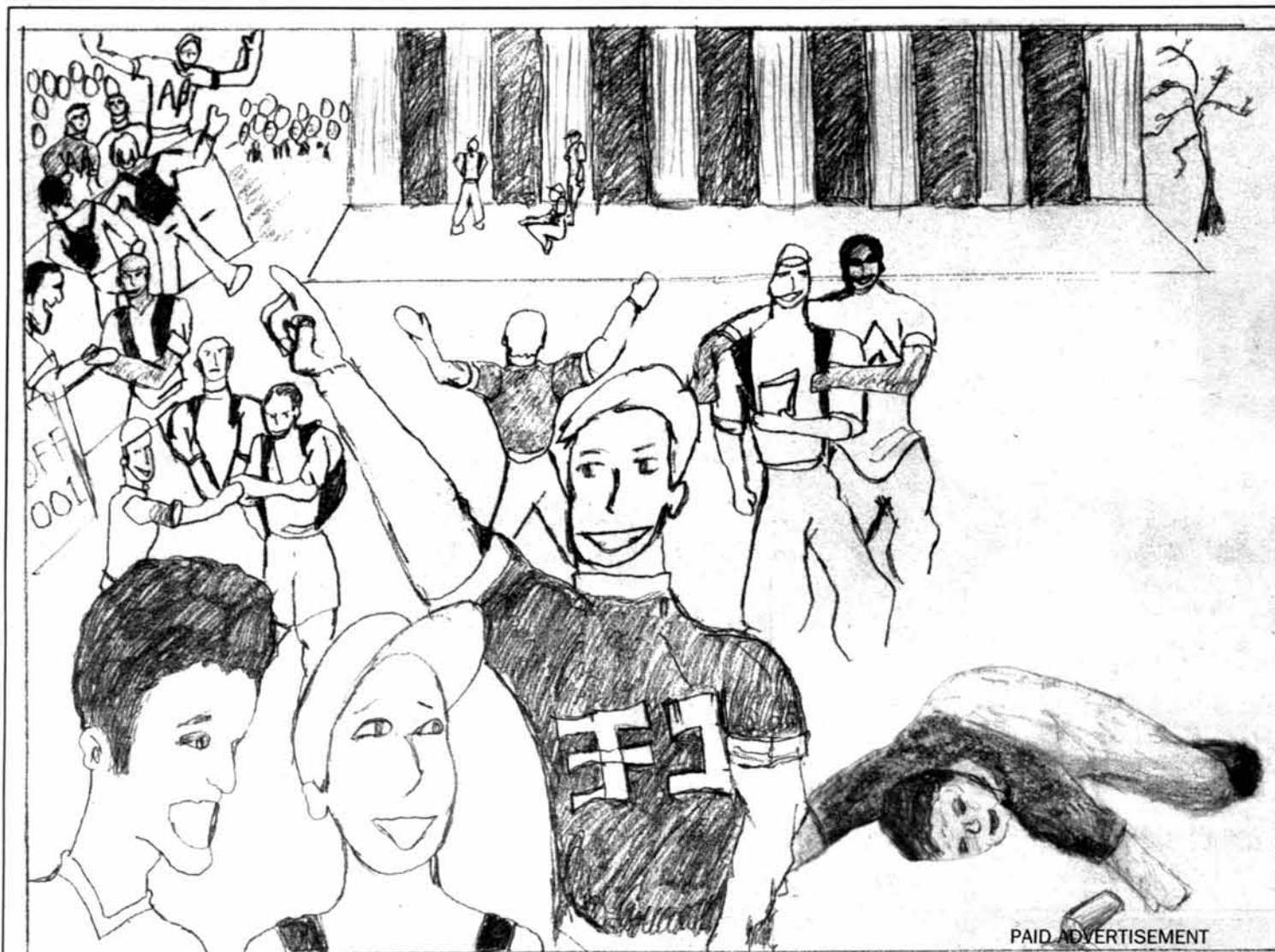
NECCO Building Conversion

Pile driving and sheeting installation will be completed soon. Construction of the parking garage has begun.

Baker House

Work at the east end of the building will include window removal at the fire stair and handicap bathrooms and brick repointing, which may produce dust and noise. Work at the east end of the north stair will include window removal and stucco restoration.

Details about the landscaping program at MIT can be found at:
<http://web.mit.edu/facilities/www/renovations/landscape/>



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Funding Sources Affect Spending

Budget, from Page 1

cost to a supervisor of taking on a graduate student will increase, but the cut will not affect graduate students' take home pay.

"We are sensitive to that stipend and increasing that stipend because of the cost of living," Brown said.

Despite the cuts, Vest said that MIT's endowment remains strong, having increased nearly three billion dollars in the last five years.

Revenue sources affect spending

Much of the pressure on the Institute's budget comes from increasing dependence on private sources of funding, including gifts and investment returns on MIT's shrinking endowment, Vest said. About 40 percent of MIT's revenue comes from gifts and returns on the endowment, he said, and that percentage has been growing for some time.

When private support increased during the 1990's, new expenses, including increased graduate support, followed, Vest said. Now that the endowment is shrinking — by about \$1.2 billion in the last two years — MIT's dependence on private funding means cutbacks for some programs despite MIT's long-term positive economic outlook.

Vest said he did not think MIT had expanded too much but instead viewed the expenditures, particularly on faculty and construction, as excellent investments. Brown said during the meeting that 318 of MIT's 964 faculty joined since 1996.

In the early 1970s about two-thirds of MIT's revenue came from sponsored research with most of that from the federal government, Vest said, and only a small amount came from gifts. Tuition has made up a relatively constant twenty-five percent of MIT's revenue over the past few decades.

Mass Ave to be dug up again

Reviewing the various construction projects around campus, Curry said that major construction will once again come to Massachusetts Avenue between Memorial Drive and Central Square.

"We may still achieve that moment when no one can get in and no one can get out," Curry said, prompting some audience laughter. He described the stretch of road as in poor condition and envisioned Mass Ave eventually "luring" the MIT community toward Central Square. He said the project will begin this summer and finish up in Summer 2005.

Curry said after the meeting that MIT is doing well in staying on its budget targets for new construction. MIT has "as good controls as you can put on projects." He noted that those targets were in some case adjusted upward from their original values. Around 2000 an expensive construction market forced MIT to budget more than originally planned for several projects, he said.

Curry also said that MIT is working on increased security at its main traffic entrance on Vassar street. In addition to aesthetic improvements, new gates will be installed, and deliveries are already being directed to a different entrance.



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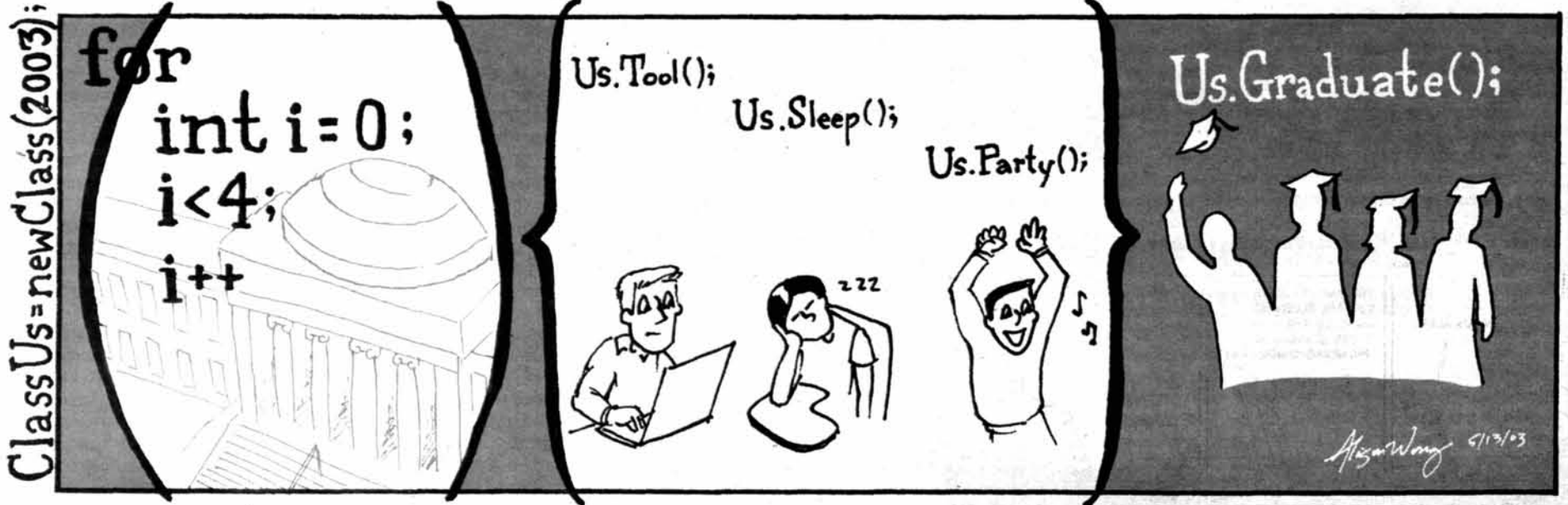
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E52-045
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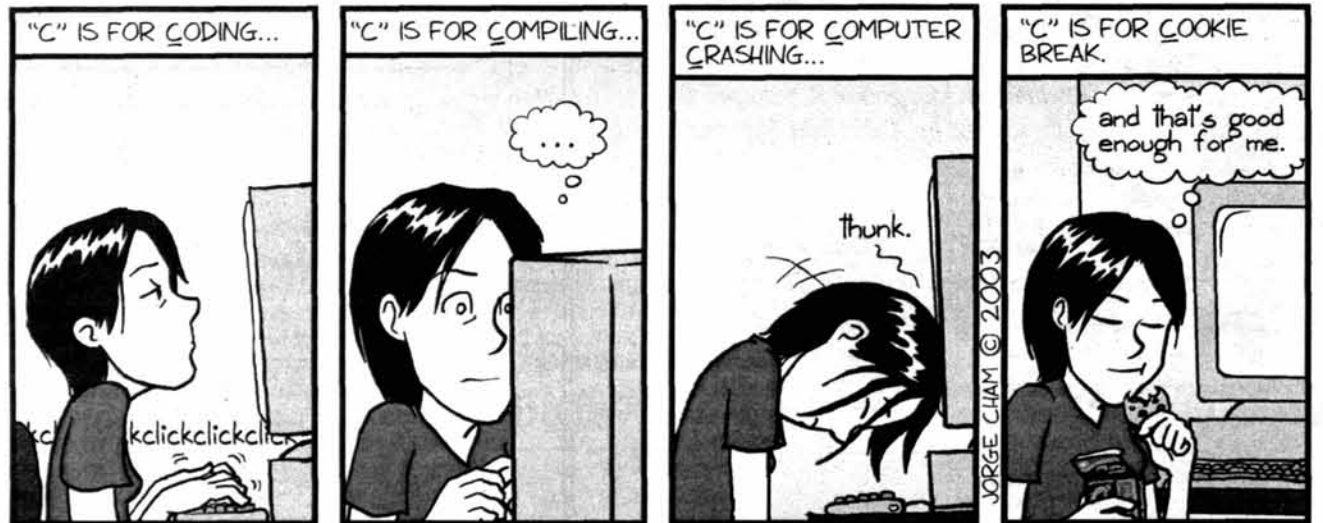
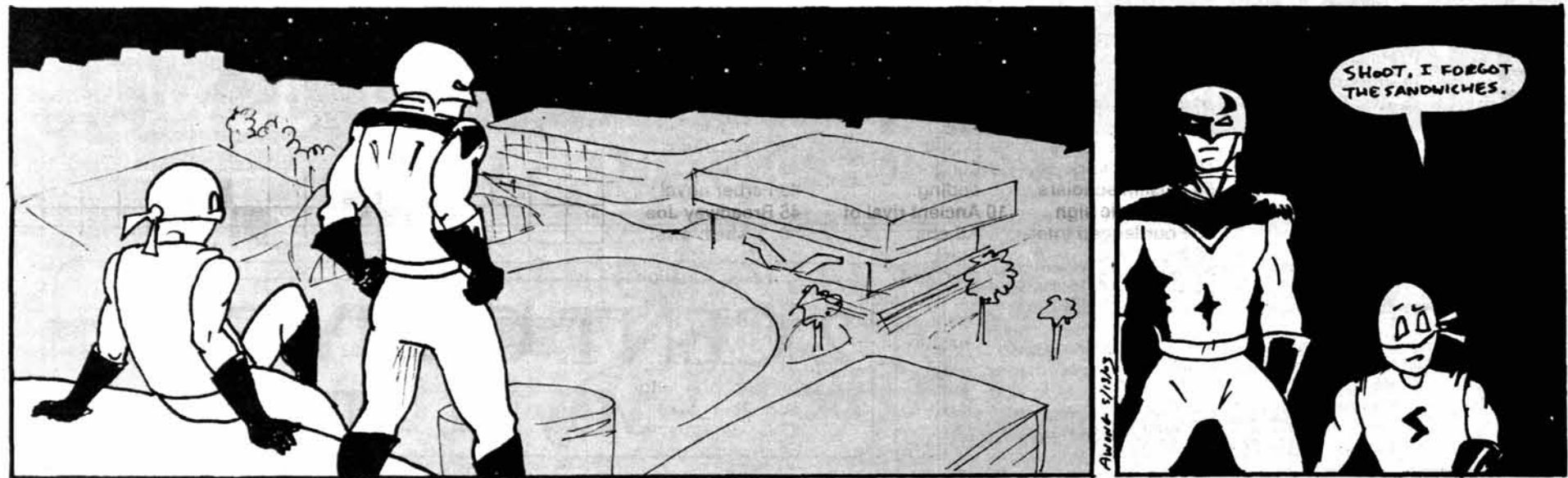
INSTITUTE MADNESS!

ALISON WONG

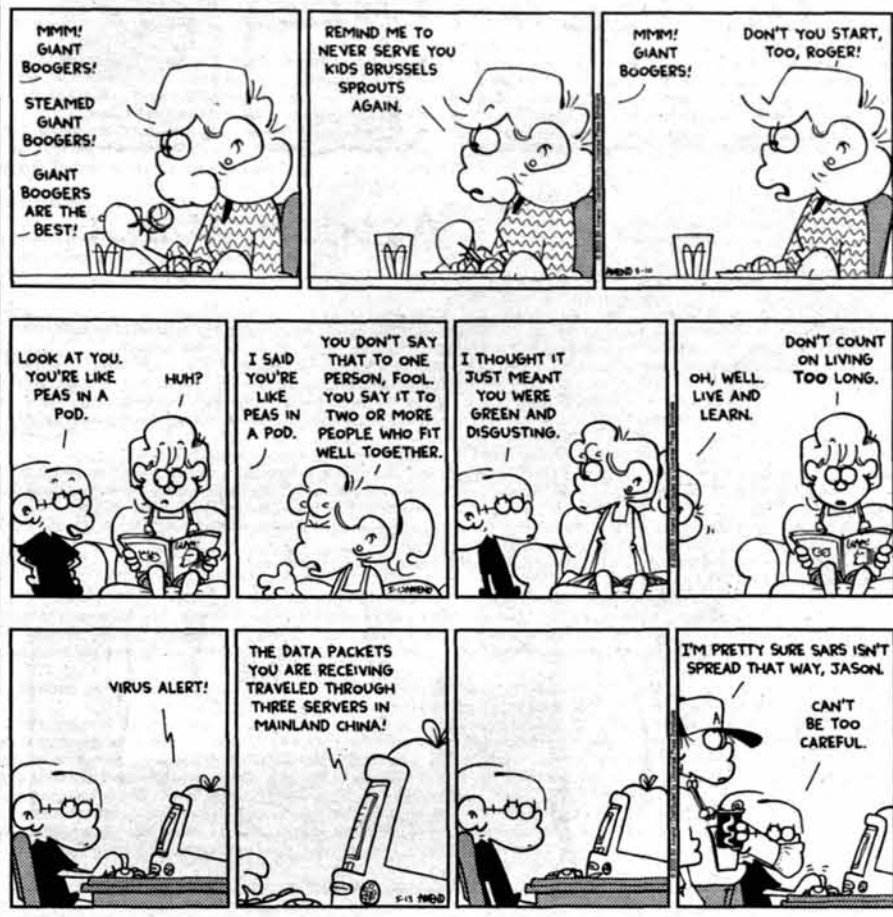


INTEGRAL FORCE

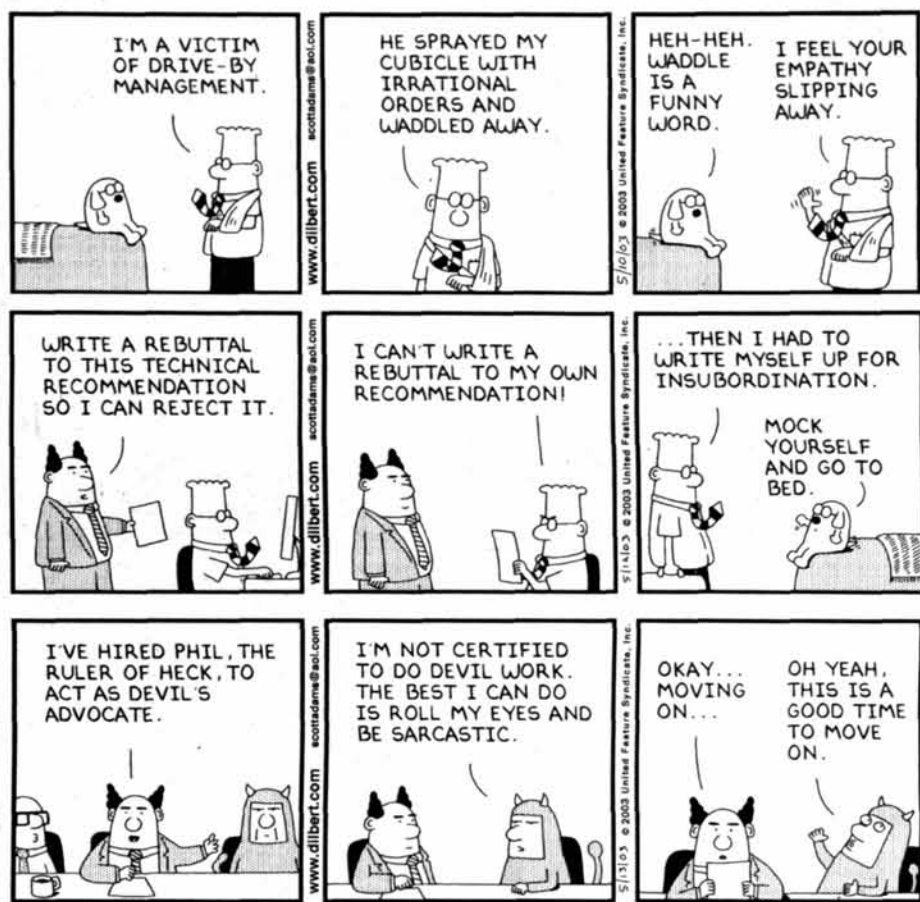
AHWONG



FoxTrot by Bill Amend



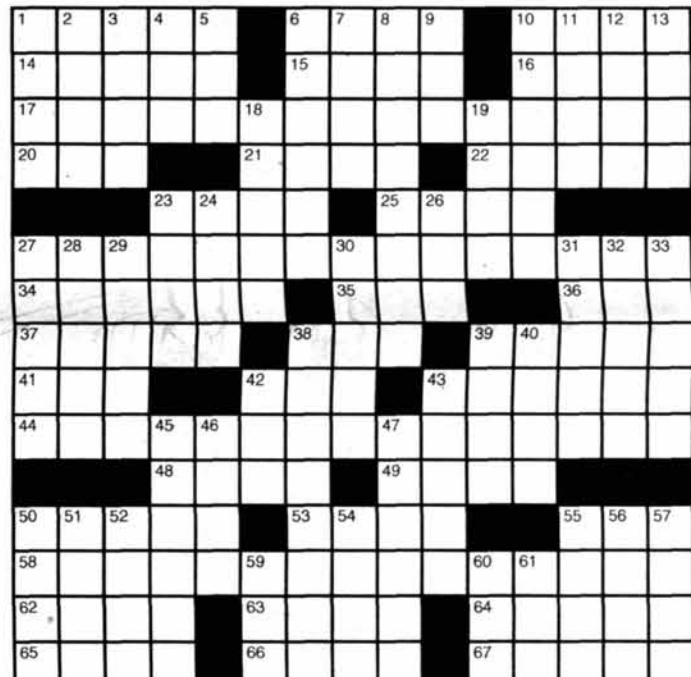
Dilbert by Scott Adams



Crossword Puzzle

Solution, page 12

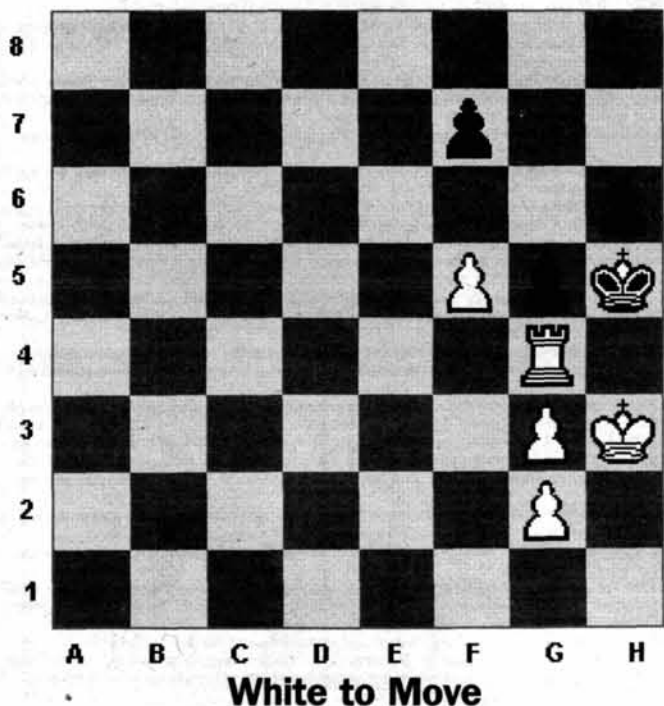
- | | |
|---------------------------|-------------------------------|
| ACROSS | DOWN |
| 1 Cyclist | 1 Succotash bean |
| 6 Manage | 2 "Bonanza" brother |
| 10 Hollywood figure | 3 Unless, in law |
| 14 Vernacular | 4 au vin |
| 15 Iowa State location | 5 Aussie bird |
| 16 Agouti's cousin | 6 Lurch and swerve |
| 17 Costume ball | 7 Sharif or Epps |
| 20 French friend | 8 Hawks |
| 21 Uncool one | 9 Language ending |
| 22 Irregularly notched | 10 Ancient rival of Athens |
| 23 Sampras of tennis | 11 Starchy root |
| 25 Fluff | 12 Play parts |
| 27 Salon extensions | 13 Comic Martha |
| 34 Code of silence | 18 Essences of alchemy |
| 35 B&O and Union Pacific | 19 Teller's partner |
| 36 Part of AARP | 23 Beauty parlor do |
| 37 Neeson and O'Flaherty | 24 Small salamanders |
| 38 God of the lower world | 26 Apr. collector |
| 39 Valiant | 27 Acid type |
| 41 Traveler's stop | 28 Acid type |
| 42 Soil turner | 29 Actor Reeves |
| 43 Nation of Conakry | 30 Heartbreak |
| 44 Money made at home | 31 Shiraz resident |
| 48 Uh...excuse me | 32 Relative rank |
| 49 Webber work | 33 Pilfer |
| 50 Muslim scholars | 38 Large-eared rodent |
| 53 Prophetic sign | 39 Joke's target |
| 55 Four-legged toter | 40 Chest bones |
| 58 Equal, e.g. | 42 "Haw" |
| 62 Tab's target | 43 Ferber novel |
| 63 Actor Morales | 45 Broadway Joe |
| 64 "Star Wars" villain | 46 she blows! |
| 65 Quicken the pace | 47 Successful transplantation |
| 66 Kinski title role | 50 Cold War side |
| 67 State a belief | 51 Corker |
| | 52 Swelled heads |
| | 54 Advanced degs. |
| | 55 Autobahn auto |
| | 56 British gun |
| | 57 Ecological cycle |
| | 59 Ready to go |
| | 60 Writer Andric |
| | 61 Light knock |



ChessMate

Composed by Elina Groberman
Difficulty Level 4

Checkmate in Three



White to Move

Comments? Email <chessmate@the-tech.mit.edu>

Solution, page 12

Ask Arista

Dear Arista,
What the hell happened to you? I haven't seen your column in weeks. Are you dead or something?
— Bewildered Beaver

Dear Beav,
Yes, yes I was. But I don't really want to talk about it. It kind of freaked me out.

Cheers,
— Arista K.

Dear Arista,
I really hate finals. The studying, the stress, the pressure of taking exams that are worth such a large percentage of my grades... Do you have any advice on how to get through them as painlessly as possible?
— Studious Student

Dear Studious,
Indeed I do. What you need is a good, healthy dose of denial. Here's what you do: Go to your room. Lock the door. Crank up the music, and turn down the lights. Then sing along to the tunes and dance like a maniac until you collapse from exhaustion. The locked door will keep out any pesky roommates who might try to get inside and study, and the music will drown out the banging on the door and the angry yells.

Once you've purged your system of stress, spend the rest of your time before exams watching TV and movies, playing video games, and complaining with friends about how much you all hate finals. Sleep late every day, eat junk food, and tell yourself it's necessary therapy for coping with the pressure. By the time finals

roll around, you'll be having the best time you've ever had at MIT, and the actual tests will pass quickly.

Good luck!
— Arista K.

Dear Arista,
What's the best way to learn a semester's worth of coursework in a little under a week?

— Il Procrastinator

Dear Procrastinator,
There are numerous methods which have been employed over the years to accomplish this particular task.

Method #1: Osmosis. Place your textbook, notes, videos, Powerpoint slides, etc. from the class under your head and sleep on them at night. This is most effective on top of your pillow, although you may place them underneath the pillow for greater comfort. Don't expect to absorb complicated equations, though; they require direct skin contact to soak in properly.

Method #2: Sleep learning. Slip on the headphones, lie back, and study your way to an A+ ... in your dreams.

Method #3: Total body tattoo. It's amazing how many chemical functional groups you can fit on the back of your knuckles.

Method #4: Give up and pray to the gods of partial credit. Though not the ideal method, this is undoubtedly the most popular among students. As a tip, the gods of partial credit like pumpkin-scented candles and eraser shavings.

Happy despairing!
— Arista K.

Draw for The Tech! E-mail <join@the-tech.mit.edu>

Events Calendar

Visit and add events to Events Calendar online at <http://events.mit.edu>

Tuesday, May 13

8:30 a.m. - 6:00 p.m. – 2003 MIT Innovations in Management Conference. Driving Innovation Through Technology: Leading the Organization to Competitive Success. Registration Fee: \$1450.00 . Room: Kresge Auditorium. Sponsor: Office of Corporate Relations/ILP. MIT Sloan School of Management.

10:00 a.m. – Admissions Information Session (Followed by the Campus Tour). Admissions Office Information Session gathers at the Admissions Reception Center (10-100). Enter MIT at the main entrance, Lobby 7, 77 Massachusetts Ave (domed building with tall pillars). Proceed down the center corridor to Room 10-100 on the right.Following the Admissions Information Session is a Student Led Campus Tour which begins in Lobby 7 (main entrance lobby) Groups over 15 people need to make special reservations. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

10:45 a.m. – Campus Tour. Student Led Campus Tours are approximately 90 minutes long and provide a general overview of the main campus. Please note that campus tours do not visit laboratories, living groups or buildings under construction. Groups over 15 people need to make special reservations. Campus tours start at the conclusion of the Admissions Informations Session. The Campus Tour begins in Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

11:55 a.m. - 1:00 p.m. – VCPiA Lunch Meeting. Weekly lunch meeting sponsored by the MIT Venture Capital & Principal Investment Association. free. Room: Tang Center. Sponsor: MIT Venture Capital and Principal Investment (VCPi) Association. MITEntrepreneurshipCenter.

12:00 p.m. - 1:00 p.m. – PowerPoint Quick Start. "PowerPoint makes it easy to jazz up your presentations. Get an introduction to what PowerPoint can do. Find out how to create slide shows. The session includes demonstrations of how to use drawing tools, graphics, and create handouts..." Room: N42 Demo Center. Sponsor: Information Systems.

1:30 p.m. - 2:45 p.m. – Center for Theoretical Physics - Nuclear Theory Seminar. "The Unexpected Role of Final-State Interactions in QCD." free. Room: Center for Theoretical Physics, Building 6, Third Floor Seminar Room. Sponsor: Laboratory for Nuclear Science.

2:00 p.m. – Admissions Information Session (Followed by the Campus Tour). free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

2:30 p.m. - 3:30 p.m. – Optimal Mechanisms. Physical Mathematics Seminar. free. Room: Building 2, Room 2-338. Sponsor: Physical Mathematics Seminar.

2:45 p.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

4:00 p.m. - 5:15 p.m. – Media Lab Colloquium Series "Visual Intellectuals and Networked Ideals." We are witnessing the wide-scale emergence of visual intellectuals—people simultaneously making, pondering, and commenting on culture, but in a way that doesn't always begin with words. free. Room: E15-Bartos Theater. Media Lab. Sponsor: Media Lab.

4:00 p.m. - 7:00 p.m. – AWARDS CONVOCATION. 2003 Awards Convocation - Each year MIT honors students, faculty and staff who have made special contributions to the life of this community. The ceremony will be held in 10:250 at 4 P.M. with a reception to follow in Lobby 10. The entire MIT community is invited!!! We look forward to seeing you at this gala event. free. Room: 10:250 and Lobby 10. Sponsor: Awards Convocation.

4:00 p.m. – MechSeminar Discontinuity Size Analysis. Abstract: The seminar aims to provide an insight into strategies developed for determining the size of discontinuities, such as joints, faults and bedding planes, in rock masses. Discontinuities have a major impact on the strength, deformability and fluid transport characteristics of rock masses. Discontinuity size is particularly important in controlling the occurrence and size of rigid blocks, the development of extensive shear planes and the connectivity of discontinuity networks. Despite the promise of ground probing radar and related techniques, there is currently no direct method for determining the size and shape of discontinuities in situ. Sampling at a planar rock face introduces cumulative biases. These biases can be quantified and removed by applying three-dimensional geometrical probabilistic analysis, or stereology. The seminar will briefly review stereological analysis procedures developed by the presenter and other workers over the last 25 years. free. Sponsor: Engineering & Environmental Mechanics Group.

4:00 p.m. – MIT Astrophysics Colloquium: MEG URRY. Grand Unification: The Co-Evolution of Galaxies and Black Holes. free. Room: MIT, Room 37-252, Marlar Lounge. Sponsor: Astrophysics.

4:15 p.m. - 5:30 p.m. – GTL Seminar Series. "Turbomachinery Tidbits at GE." free. Room: NOTE ROOM:33-116. Sponsor: Gas Turbine Laboratory.

5:00 p.m. – MIT Chamber Music Society Student Concerts. The Chamber Music Society, coordinated by Professor Marcus Thompson, is comprised of students selected by audition to study and perform chamber music literature. free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

5:30 p.m. - 10:00 p.m. – Deshpande event. TBD. Room: TBD. Sponsor: Deshpande Center for Technological Innovation.

5:30 p.m. - 6:30 p.m. – El Manchon, Ancient Mexico's Only Known Copper Smelting Site: Antecedents and Ongoing Excavations. Over a decade of research on ancient Mexican metallurgy — examinations of artifact chemistry, microstructure, and mechanical properties, and considerations of local geology have provided clear evidence for the origins, technical characteristics and social context in which ancient Mexican metallurgy developed. The talk will briefly summarize those findings, how those data led to the location of El Manchon a copper smelting and production site in the Sierra Madre del Sur de Guerrero, then describe ongoing research at the site of El Manchon. free. Room: 56-154. Sponsor: Materials & Archaeology Lecture Series.

6:00 p.m. - 8:00 a.m. – BSU Year-in-Review. First Annual BSU Year-In-Review featuring new officers induction ceremony, guest speaker, slide show for the past year's events, dessert reception. . free. Room: 6-120. Sponsor: Black Students' Union.

6:00 p.m. - 7:30 p.m. – Lavender Graduation. An exquisite reception honoring MIT's LGBT graduates of the 2003 Academic Year - and a chance to celebrate the accomplishments of MIT's LGBT community! LGBT students expecting to graduate - please contact lbg@mit.edu. free. Room: Emma Rogers Room (10-340). Sponsor: lbg@MIT, BGALA/Bisexual, Gay and Lesbian Alumni.

6:00 p.m. - 7:00 p.m. – the mit e-club weekly tuesday meeting. the regular weekly tuesday meeting of the mit entrepreneurs club, aka: the e-club, an mit service organisation, where students, faculty, staff and alum gather to pitch, hear, crit and discuss their new science and technology start-up ideas, network, build 50k or independent founders' teams, and more; stay for our mit 6-credit seminar sem.095 on tech start-ups (sem.089 in fall term). free. Room: 56-114. Sponsor: Entrepreneurs Club.

6:15 p.m. - 9:00 p.m. – Boston Seminar Series . What happens when a gas is cooled close to absolute zero temperature? A new state of matter results, as atoms lose their independent behavior and move in unison to form one giant wave of matter. This phenomenon, Bose-Einstein condensation, was predicted by Albert Einstein in 1925 and achieved by Physics Professor Wolfgang Ketterle and two MIT alumni in 1995, a discovery which earned them the 2001 Nobel Prize in Physics. Professor Ketterle will explain his work and its applications, and describe how MIT's unique environment of education and research fosters great advances in science. . \$40. Room: Faculty Club - E52 6th Floor. Sponsor: MIT Club of Boston .

6:30 p.m. - 9:30 p.m. – Boston Chapter, Market Technicians Association. Boston Chapter meeting of the Market Technicians Association. free. Room: E51-325. Sponsor: MIT User Groups.

7:00 p.m. – MIT Western Hemisphere Project: Open Meeting. We hold informal sessions throughout the year to discuss events in the news and to work on Project activities. If you want to just chat about these things, or if you want to join in and help organize, we'd love for you to attend. Free. Room: MIT 4-231. Sponsor: MIT Western Hemisphere Project.

7:00 p.m. - 12min a.m. – Hillel Senior Recognition Reception. Annual recognition event for Members of the Class of 2003. Dessert reception. free. Room: Hillel, Bldg W11. Sponsor: Hillel, MIT.

7:00 p.m. - 9:00 p.m. – Boston PDA User Group. Meeting of the Boston PDA User Group (BOSPDAUG). free. Room: 3-133. Sponsor: MIT User Groups.

7:30 p.m. - 9:30 p.m. – Boston Voice User Group. Meeting of the Boston Voice User Group. free. Room: 2-132. Sponsor: MIT User Groups.

8:00 p.m. - 10:00 p.m. – Contra Dance for all. End-of-Semester Fiesta. Caller: Eileen Walsh, Music: Tea Party. Dance with a partner (we'll provide) and a group to jazzy live music. All dances taught; all skill levels welcome. Contra Dance is a traditional American form of folk dancing, directed by a caller and accompanied by exciting live music. It uses easy-to-learn walking steps. You dance with a partner, changing partners each dance, in a line of couples called a 'set' and interacting with your partner and all the other couples in a big group theoretic pattern. A caller first explains each dance in a 'walk-through' and then continues to prompt you during the dance. Light refreshments are served at the break halfway through. Every 2nd and 4th Tuesday. MIT students free; other students \$3; non-students \$5. Room: Kresge rehearsal room B. Sponsor: Folk Dance Club. Music for Robin.

8:00 p.m. - 10:00 p.m. – LIVEmusic@theEAR: Fikus. Fikus is an original jazz/fusion band. They do a lot of stuff in the vein of John Scofield, Herbie Hancock, The Meters, Galactic, and other jazz/funk instrumental groups of that nature. You can check them out at www.fikus.net. Pub Hours: Monday: 9 pm - 1 amTuesday - Thursday: 7 pm - 1 amFriday: 4 pm - 2 am The Thirsty Ear Pub is located in the basement of Ashdown House. Enter through the courtyard. Must be over 21. Proper ID required. free. Room: The Thirsty Ear Pub. Sponsor: The Thirsty Ear Pub.

Wednesday, May 14

8:00 a.m. - 4:00 p.m. – Deshpande event. TBD. Room: TBD. Sponsor: Deshpande Center for Technological Innovation.

8:30 a.m. - 6:00 p.m. – 2003 MIT Innovations in Management Conference. Driving Innovation Through Technology: Leading the Organization to Competitive Success. Registration Fee: \$1450.00 . Room: Kresge Auditorium. Sponsor: Office of Corporate Relations/ILP. MIT Sloan School of Management.

10:00 a.m. – Admissions Information Session (Followed by the Campus Tour). free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

10:45 a.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

12:00 p.m. - 4:00 p.m. – Rainbow Lounge Open. MIT's resource lounge for lesbian, bisexual, gay, and transgendered members of the community offers a place to hang out, various activities, and a lending library during its open hours. free. Room: 50-306. Sponsor: lbg@MIT.

12:00 p.m. - 1:00 p.m. – TechTime: MIT Personal Calendar Quick Start. "Demonstration of the web client for TechTime, MIT's newly supported personal calendar program, based on Oracle Calendar (formerly known as CorporateTime). The session will include opening your account and signing in, working with your calendar entries, working with other users, and setting preferences." . Room: N42 Demo Center. Sponsor: Information Systems.

12:10 p.m. - 1:00 p.m. – Oceanography and Climate Sack Lunch Seminar. "Loop current rings in the Gulf of Mexico" . free. Room: 54-915. Sponsor: Physical Oceanography.

2:00 p.m. – Admissions Information Session (Followed by the Campus Tour). free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

2:00 p.m. - 3:15 p.m. – Center for Theoretical Physics- String Seminar. "An Orientifold with fluxes and Branes via T-duality." free. Room: Building 6, Third floor seminar room. Sponsor: Laboratory for Nuclear Science.

2:00 p.m. - 3:00 p.m. – 2pm Emma and Mara - QIP. free. Room: 4-357. Sponsor: Physics Junior Lab Orals .

2:45 p.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

3:00 p.m. - 4:00 p.m. – Special BE/CSBI Joint Seminar. "Protein Engineering and Directed Evolution." free. Room: McGovern Auditorium, Whitehead Institute, 9 Cambridge Center. Sponsor: Biological Engineering Division.

3:00 p.m. - 4:00 p.m. – 3pm Elizabeth and Ray - Supercond. free. Room: 4-357. Sponsor: Physics Junior Lab Orals .

4:00 p.m. - 5:00 p.m. – 4pm Michael and Russel - Moessbauer. free. Room: 4-357. Sponsor: Physics Junior Lab Orals .

4:05 p.m. - 5:00 p.m. – Environmental Chemistry and Biology Seminar. Topic TBA. Room: 48-316. Sponsor: Parsons Lab (general).

4:15 p.m. - 5:15 p.m. – The Flintlay Andrews-Curtis Conjecture. Refreshments will be served at 3:30 PM in Room 2-349. free. Room: Room 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.

4:30 p.m. - 5:30 p.m. – Joint Theory Seminar. "Where are we on the road to the quark-gluon plasma? taking stock after three years of RHC experiments..." free. Room: Building 6, Third floor seminar room. Sponsor: Laboratory for Nuclear Science.

5:00 p.m. – MIT Chamber Music Society Student Concert. The Chamber Music Society, coordinated by Professor Marcus Thompson, is comprised of students selected by audition to study and perform chamber music literature. free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

5:00 p.m. - 7:00 p.m. – Opening Reception: Harold & Arlene Schnitzer Prize in the Visual Arts Award Winners Exhibit. Featuring the student winners of the 2003 (Eighth) Schnitzer Prize in the Visual Arts. Exhibit on view through June 27. free. Room: Wiesner Student Art Gallery, Stratton Student Center. Sponsor: Student Art Association.

5:00 p.m. - 6:15 p.m. – Stress 101: How to Fight Back. Stress seems to permeate the very air we breathe at MIT. What is stress, and how do we cope with it? What is your personal style for dealing with it? Who bears the brunt you, or those around you? Wear comfortable clothing for this discussion and relaxation session. . free. Room: 4-149. Sponsor: MIT Medical.

5:10 p.m. - 6:00 p.m. – Service with dinner to follow. A Eucharist service with dinner following in W11. free. Room: MIT Chapel and W11. Sponsor: Lutheran-Episcopal Ministry.

7:00 p.m. - 10:00 p.m. – MIT \$50K Final Awards Ceremony. The final event of the MIT \$50K Competition this spring, where winners, runners up, and finalists will be announced and \$50,000 will be given away. Don't miss the innovative products and technologies, the keynote by Charles Ferguson, author and founder of Vermeer Technologies, and the awards presentation by Alex D'Arbeloff, Chairman of the MIT Corporation. free. Room: Kresge Auditorium. Sponsor: MIT \$50K Entrepreneurship Competition.

7:00 p.m. - 10:00 p.m. – TMRC Build Time. These are our normal meeting times, when we build the layout! free. Room: N52-118. Sponsor: Tech Model Railroad Club (TMRC).

7:00 p.m. - 8:00 p.m. – Bible Study. Weekly Bible study held by the Baptist Student Fellowship. free. Sponsor: Baptist Student Fellowship, Baptist Campus Ministry.

7:00 p.m. - 9:00 p.m. – Boston Macintosh User Group. Meeting of the Boston Macintosh User Group (Formerly BCS/MIT Mac). free. Room: E51-315. Sponsor: MIT User Groups.

7:00 p.m. – MIT Chamber Music Society Student Concerts. The Chamber Music Society, coordinated by Professor Marcus Thompson, is comprised of students selected by audition to study and perform chamber music literature. free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

7:00 p.m. - 9:00 p.m. – Back Bay Lisa User Group. User group meeting of Back Bay Lisa(Large Installation System Administration). BBUSA is for administrators of both large and small networks. free. Room: E51-149. Sponsor: MIT User Groups.

7:30 p.m. - 10:30 p.m. – HTC Film Series. Theme is documentary films. Click on link for titles. free. Room: 3-133. Sponsor: History, Theory and Criticism of Architecture and Art.

8:00 p.m. – Weekly Wednesdays @ the Muddy Charles Pub. Meet your fellow social graduate students at the Muddy Charles Pub located in the Walker Memorial Building. What will be there for you? \$1 drafts, a variety of beers, wines and sodas, lots of free wings, Sox on the screen. Bring IDs. free. Room: Muddy Charles Pub. Sponsor: Edgerton House Residents' Association, MITEntrepreneurshipCenter. TechLink, Wing It.

8:00 p.m. - 10:00 p.m. – IFILM Film Seminar. Screening of a movie followed by a discussion. Light refreshments provided. More information (including movie titles) on our web site. free. Room: 4-237. Sponsor: International Film Club.

8:15 p.m. - 10:30 p.m. – Operation Strangelove. Dissenters unite! Tonight, join thousands across the country in viewing "Dr. Strangelove, or How I Stopped Worrying and Learned to Love the Bomb." Forty years after its filming, this dark and explosively funny film seems like a satirical time bomb planted by Stanley Kubrick and Terry Southern, set to detonate on Bush's doctrine of unilateral warfare, anytime, anywhere. As the war on Iraq winds down (at least on TV), as the perils (and profits) of occupation loom, and as Bush and company plot the next pre-emptive strike, Operation Strangelove aims to show the warmongers in their true light. . free. Room: MIT 4-231. Sponsor: advanced art.

8:30 p.m. - 11:30 p.m. – Swing Dancing. No partner required. Beginners welcome. free. Room: Student Center 2nd floor. Sponsor: Lindy Hop Society.

8:30 p.m. – Swing Dancing Lesson. Intro to Blues Dancing. free. Room: Lobdell (Student Center). Sponsor: Lindy Hop Society.

9:00 p.m. - 10:00 p.m. – Indian Cultural Hour. See glimpses from the 5000-year-old civilization of India, and sample a variety of Indian snacks! free. Room: Sidney-Pacific Multipurpose Room. Sponsor: Graduate Student Council, Sidney-Pacific House Council.

Events Calendar appears in each issue of *The Tech* and features events for members of the MIT community. *The Tech* makes no guarantees as to the accuracy of this information, and *The Tech* shall not be held liable for any losses, including, but not limited to, damages resulting from attendance of an event. Contact information for all events is available from the Events Calendar web page.

Thursday, May 15

10:00 a.m. – Admissions Information Session (Followed by the Campus Tour). free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

10:45 a.m. – Campus Tour. Student Led Campus Tours are approximately 90 minutes long and provide a general overview of the main campus. Please note that campus tours do not visit laboratories, living groups or buildings under construction. Groups over 15 people need to make special reservations. Campus tours start at the conclusion of the Admissions Informations Session. The Campus Tour begins in Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

12:00 p.m. - 1:00 p.m. – Tultion Assistance ESS Demo. The employee self-service (ESS) function on the web is growing with the introduction of new Tultion Assistance (TA) tools that will allow TA eligible employees to manage their TA benefit online. Come learn about the improvements to TA and see a demo of TA ESS. free. Room: Mezzanine Lounge, Student Center (W20-307). Sponsor: HRPayroll Project/Financial Systems Services, Human Resources .

12:00 p.m. - 1:00 p.m. – Noon Bible Study. Come join an English Bible study open to everyone but especially for spouses and international students at MIT. Simple English conversation and open discussion. free. Room: W11 Board Room. Sponsor: Baptist Campus Ministry.

12:00 p.m. - 1:00 p.m. – BrioQuery 6 Quick Start. This quick start introduces you to the MIT Data Warehouse Web site and how to get authorized to access data. Pointers to instructions for downloading and installing BrioQuery will be given. You'll take a tour of the BrioQuery 6 environment and tools. You'll learn how to download and run an MIT standard report. BrioQuery version 6 features will be compared to version 5.5 and changes in the new version will be highlighted. Room: N42 Demo Center. Sponsor: Information Systems.

1:00 p.m. - 2:00 p.m. – Weight Watchers at Work! free. Room: Women's LoungeRoom 8-219. Sponsor: Weight Watchers.

1:00 p.m. - 6:00 p.m. – Rainbow Lounge Open. MIT's resource lounge for lesbian, bisexual, gay, and transgendered members of the community offers a place to hang out, various activities, and a lending library during its open hours. free. Room: 50-306. Sponsor: lbg@MIT.

1:00 p.m. - 2:30 p.m. – Free Conversational English Class. International students and spouses are invited for a free Conversational English class offered as a service on campus at MIT. Come make friends, exchange culture, learn about holidays and have fun. Enjoy an informal discussion class setting with one or more native speakers. free. Room: W11. Board Room. Sponsor: Baptist Student Fellowship, Baptist Campus Ministry.

2:00 p.m. – Admissions Information Session (Followed by the Campus Tour). free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

2:45 p.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

3:00 p.m. - 5:00 p.m. – Reception for The Hidden Jewels of our Community. An art exhibition by the spouses and partners of MIT students and staff. View artwork done in a variety of media by the talented members of spouses&partners@mit. Meet the artists and learn more about these special members of the MIT community. . free. Room: Lobby 10. Sponsor: Graduate Student Council, spouses&partners@mit, MIT Medical.

4:00 p.m. - 5:00 p.m. – Virtual THORPEX: Are NWP analyses good enough to justify dynamics-based targeting schemes?. free. Room: 54-915. Sponsor: MIT Atmospheric Science Seminars.

4:15 p.m. - 5:30 p.m. – Physics Colloquium. Title: TBA. free. Room: 10-250. Sponsor: Physics Department.

5:00 p.m. – Emerson Student Vocal Recital. . free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

6:00 p.m. – Art Lecture: Lewis Hyde. Mr. Hyde is a cultural critic perhaps best known for his books *The Gift* (1983) and *Trickster Makes This World* (1998). Hyde is the Thomas Professor of Creative Writing at Kenyon College and currently on leave to work on a book about "cultural commons." Presented in conjunction with Influence, Anxiety, and Gratitude (List Visual Arts Ctr May 8-July 6). free. Room: Bartos Theater. Sponsor: List Visual Arts Center.

6:00 p.m. - 8:00 p.m. – Eastgate Spring BBQ. A family-friendly BBQ to celebrate the much overdue arrival of Spring and the end of the academic year. free. Room: Eastgate Courtyard. Sponsor: Graduate Student Council, Eastgate Community Association.

6:30 p.m. - 9:30 p.m. – A Bigger Game. Do you ever find yourself thinking if only...? Or see others around you have success with an idea you had long ago but just never did anything with? Are you finding yourself thinking "things should be different around here" - be it at home, at work, or in your community - but not quite sure where to start? All too often we humans find it easier to stay comfortable, to not push ourselves through the knothole of our I can t to find the I can s. The actions we might take simply feel too bold, risky, or presumptuous. What must be different in your world, that you can impact? What will grow you and the people around you that is worth having as your legacy; worth living your life for? What is the impact you are longing to have, no matter what your field or where you work within your organization? This hunger bespeaks a Bigger Game. Deborah Huiskens, coach to executives and business owners, will be offering an interactive insight into the Bigger Game Corporate Leadership and Change Model. with RSVP, members/non-members: \$10/\$20. Students - free. Room: MIT, E51-315. Sponsor: Women Entrepreneur in Science and Technology, TechLink.

6:30 p.m. - 7:45 p.m. – Relational Agents. What kinds of social relationships can people have with computers? Are there activities that computers can engage in that actively draw people into relationships with them? What are the potential benefits to the people who participate in these human-computer relationships?To address these questions his work introduces a theory of Relational Agents, which are computational artifacts designed to build and maintain long-term, social-emotional relationships with their users. These can be purely software humanoid animated agents—as developed in Dr. Bickmore's work—but they can also be non-humanoid or embodied in various physical forms, from robots, to pets, to jewelry, clothing, hand-helds, and other interactive devices. Central to the notion of relationship is that it is a persistent construct, spanning multiple interactions. free. Room: Media Lab (E15) Room 054 Lower Level . Sponsor: Affective Computing, Media Lab - Affective Computing. Boston section IEEE.

7:00 p.m. - 8:30 p.m. – Meditation and Discussion. Meditation and Discussion on Shantideva's Bodhicaryavatara. free. Room: MIT Chapel. Sponsor: Buddhist Association at MIT, Buddhist Community at MIT.

7:00 p.m. – The Pianist. Winner of three Academy Awards (Best Actor Adrien Brody, Best Director Roman Polanski, and Best Adapted Screenplay) Rex Reed of The New York Observer calls The Pianist "a great film of integrity and unforgettable power that leaves you breathless with gratitude." This is the harrowing story of a real-life Jewish pianist who miraculously survived through World War II in Poland. Through his eyes, we see an incredible transformation of his country, which, if it were not absolutely true, we could not believe. First, there is vague anti-Semitism, which is quickly fueled by increasing restrictions on the Jewish people's lives. Then, the torture and slaughter begins. Some risk their lives to help, others stand idly by in an attempt to secure their own survival. Still others take advantage of the situation, or worse, unleash an inner cruelty most of us hope we do not possess. This story is told without sentimentality or exaggeration; this is the tragedy of human evil which can come to pass. Learn about your history and yourself, and bring a box of tissues. Rated R for violence and brief strong language. In English and German with subtitles. \$3.00. Room: 26-100. Sponsor: LSC.

8:00 p.m. - 9:40 p.m. – Spunk. MIT Black Theater Guild presents its Spring 2003 show "Spunk," a stage adaptation by George C. Wolfe of three Zora Neale Hurston short stories. . Room: Sidney Pacific Multi-purpose Room . Sponsor: Black Theatre Guild, Black Women's Alliance.

8:00 p.m. – Roadkill Buffet's Non-nostalgic Farewell Tour. Roadkill Buffet, MIT's finest improv troupe, invites you to join us for an evening of instantaneous theatre. No scripts, no safety nets, no telling what might happen. Free!. Room: 6-120. Sponsor: Roadkill Buffet.

8:00 p.m. – The Most Fabulous Story Ever Told. The Creation of the world.The garden of Eden.Adam.And Steve.The story of The Creation with a twist! (May not be suitable for younger audiences as show contains nudity and strong language.). \$6 for MIT students, \$8 for other students, seniors, and MIT faculty and staff, and \$10 for the general public. Room: Kresge Little Theatre. Sponsor: MIT Community Players.

9:00 p.m. - 10:00 p.m. – Coffee Hour [IMAGE]. Food and drink - an Ashdown tradition. [IMAGE] free. Room: Hulsizer Room (W1). Sponsor: Ashdown House.

10:00 p.m. - 11:59 p.m. – Movie Night [IMAGE]. Movie and food - free for all!! free. Room: Big TV Room (W1). Sponsor: Ashdown House.

10:30 p.m. – The Pianist. Rated R for violence and brief strong language. In English and German with subtitles. \$3.00. Room: 26-100. Sponsor: LSC.

11:59 p.m. – Campus Disc Golf. Do you like tossing a disc? Do you enjoy friendly competition? Or if you're just up for midnight antics, then come on out! Meet outside the Student Center on the front steps, and don't forget to bring a disc! Don't hesitate to come, newcomers are always welcomed- We meet every Thursday at midnight. Questions, contact Daniel Turek, macgver@mit.edu. bring your own disc!. Room: Student Center steps. Sponsor: Campus Disc Golf.

Friday, May 16

8:00 a.m. - 5:30 p.m. – Rohsenow Symposium on Future Trends in Heat Transfer. The objective of this symposium is open-ended discussion of current and future directions in heat transfer research. The symposium will be built upon panel discussions by leading experts in heat transfer science and technology. Audience members will also participate in what is expected to be a forward-looking and lively exchange of ideas. . 100.00. Room: Tang Center. Sponsor: Conference Services, Mechanical Engineering Dept.

8:00 a.m. - 12:00 p.m. – CEE Faculty Retreat. Room: To be announced. Sponsor: Civil and Environmental Engineering.

9:00 a.m. - 5:30 p.m. – Workshop on Altaic Formal Linguistics (W AFL). see website for registration information. Room: E51-335. Sponsor: Department of Linguistics and Philosophy.

10:00 a.m. – Admissions Information Session (Followed by the Campus Tour). free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

10:45 a.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

12:00 p.m. - 1:00 p.m. – Writers Group. New writers are invited to join our weekly Writers Group (sponsored by the Writing and Communication Center). Share a piece of your writing with other interested and supportive writers. Open to all MIT students, staff, faculty, and spouses . free. Room: 7-337 (the small Stella Room). Sponsor: Writing and Communication Center.

12:00 p.m. - 1:15 p.m. – Annual MIT Gardeners Plant Swap. The Annual MIT Gardeners Plant Swap has been moved to May to allow time for new plants to settle into the garden before the summer heat. Time to pot up those plants that need dividing. See the Web site for the rules. Bring a plant, swap for another. free. Room: Under the trees by the MIT Chapel. Sponsor: MIT Gardeners Group.

12:00 p.m. - 2:00 p.m. – Jewish Faculty/Staff Forum Luncheon. Mayyim Hayyim Director Aliza Kline will speak about a new mikveh (ritual bath) and educational center for the Boston Jewish Community. Lunch served. . \$10. Room: W11-Small Dining Room. Sponsor: Hillel, MIT.

12:00 p.m. - 1:00 p.m. – Mac OS X Quick Start. "For newcomers to Mac OS X, preview some of its useful features — network and printer setup and file management with the OS X Finder. Take a look at applications that run "native" in OS X. Get answers to your questions about OS X and updates on the status of support for OS X at MIT." . Room: N42 Demo Center. Sponsor: Information Systems.

1:10 p.m. - 1:50 p.m. – Muslim Friday Prayer. Weekly congregational prayer for Muslims. People of other faiths welcome to attend. Email msa-ec@mit.edu for more information. free. Room: W11-110. Sponsor: Muslim students' Association.

2:00 p.m. – Admissions Information Session (Followed by the Campus Tour). free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

2:45 p.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

3:00 p.m. - 4:15 p.m. – Chemical Engineering Spring Seminar Series. DNA in Microtows. free. Room: 66-110. Sponsor: Chemical Engineering.

4:15 p.m. - 5:15 p.m. – Derangements for Transitive Group Actions. Refreshments will be served at 3:30 PM in Room 2-349. free. Room: Room 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.

5:00 p.m. – AMP (Advanced Music Performance) Student Recital. Stavroula Hatzios '05. Stavroula Hatzios '05, oboe with Karen Harvey, piano, and Mary Farbood (G), harpsichord. Sonatas by Telemann, Hindemith, Saint-Saens. free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

5:30 p.m. - 8:30 p.m. – End-of-Term BBQ. Come to our traditional End-of-Term European Club BBQ! Enjoy the company of fellow Europeans and friends of the European Club!. free. Room: Kresge BBQ Pits. Sponsor: European Club, MIT.

7:00 p.m. - 11:59 p.m. – MIT Anime Club showing: pre-finals brain cleansing. Join us as we show something to mess with your head, pushing the reset button so you're ready to tackle finals week. free. Room: 6-120. Sponsor: Anime Club, MIT.

7:00 p.m. – Talk to Her. Winner of the Golden Globe for Best Foreign Language Film, and the Academy Award for Best Original Screenplay! Pedro Almodovar (Women on the Verge of a Nervous Breakdown, All About My Mother) writes and directs this fascinating and artistic look at two men whose lady loves are comatose. Begnino works at the hospital so that he may tend to the dancer Alicia, injured in an automobile accident. Meanwhile, Marco spends time in a room nearby, visiting Lydia, a lady bullfighter who was gored in the arena. As they talk to each other and to the women they love, the two men become friends. However, they are soon put to task dealing with a surprising event which lands one of them in serious trouble. Elvis Mitchell of The New York Times exclaims, "When it's over, the realization of how much the movie means to you really sinks in; you can't get it out of your heart." Rated R for nudity, sexual content and some language. In Spanish with English subtitles. \$3.00. Room: 26-100. Sponsor: LSC.

7:00 p.m. – "Guantanamera!" (1994). When a world-famous diva dies, her family must accompany the casket on an absurd cross-country journey to the funeral. A colorful dark comedy from Cuba, the film is equal parts romantic comedy and critique of the political system. Free. Room: MIT 4-231. Sponsor: MIT Western Hemisphere Project.

7:00 p.m. - 9:00 p.m. – Words on Water. For almost twenty years the banks of the Narmada River in central India have been the site of a remarkable struggle for human dignity. Faced with the displacement of hundreds of thousands of people by a gargantuan series of 30 dams, and the abject failure by the Indian government to resettle the displaced, the Narmada valley has thrown up a unique people's movement, the Narmada Bachao Andolan (NBA). At a time when violence rages like a bush fire across the parched surface of Indian democracy, the NBA takes its cues from the Gandhian notions of ahimsa (non-violence) and satyagraha (the force of truth). . free. Room: MIT Room 54-100 . Sponsor: AID-Boston, Amnesty International.

7:30 p.m. - 9:00 p.m. – Bible Study. Is there more to life than grad school? We believe the answer is "YES!" Come study the word of God with us. There will be dinner provided and games afterward. free. Room: 1-150. Sponsor: Asian Baptist Student Koinonia Graduate Division.

8:00 p.m. - 11:30 p.m. – Sangam Movies. Screening of popular movies. Please subscribe to sangam-request@mit.edu. free. Sponsor: Graduate Student Council, Sangam.

8:00 p.m. - 10:00 p.m. – LIVEmusic@theEAR: The Lonesomes. Pub Hours:Monday: 9 p.m. - 1 amTuesday - Thursday: 4 p.m. - 2 am The Thirsty Ear Pub is located in the basement of Ashdown House. Enter through the courtyard. Must be over 21. Proper ID required. free. Room: The Thirsty Ear Pub. Sponsor: The Thirsty Ear Pub.

8:00 p.m. - 9:00 p.m. – THE PANAMA DECEPTION. The Panama Deception (1992, 91min) Academy Award 1993 Best Documentary. "A cinematic molotov cocktail"—Boston Herald [Makes] the case that the 1989 invasion of Panama by the US was motivated not by the need to protect American soldiers, restore democracy or even capture Noriega. It was to force Panama to submit [to] the will of the United States after Noriega had exhausted his usefulness. . free. Room: 4-237. Sponsor: MIT Social Justice Cooperative.

8:00 p.m. – The Most Fabulous Story Ever Told. The Creation of the world.The garden of Eden.Adam.And Steve.The story of The Creation with a twist! (May not be suitable for younger audiences as show contains nudity and strong language.). \$6 for MIT students, \$8 for other students, seniors, and MIT faculty and staff, and \$10 for the general public. Room: Kresge Little Theatre. Sponsor: MIT Community Players.

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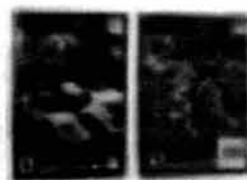
10:00 p.m. – Talk to Her. Rated R for nudity, sexual content and some language. In Spanish with English subtitles. \$3.00. Room: 26-100. Sponsor: LSC.



Isshinryu Karate-do at MIT Raffle



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SPORTS

Women's Ultimate Takes First Place at Regional Tournament

By Kathy Dobson
TEAM MEMBER

The Women's Ultimate Frisbee team (sMITe) took first place May 4 at the New England regional tournament held in Amherst, Massachusetts, scoring 37 unanswered points and remaining undefeated by New England teams. The win brings their spring record to 15-5 with a 15-game winning streak.

Scoreless against sMITe

sMITe began the tournament Saturday with a match-up against Brown B. In the first few points of the game, captain Mina K. Hsiang '03 sustained a knee injury. Her team members, however, stepped it up, and several points were played with five or six freshmen on the field. Lori A. Eich '03 and Darlene E. Ferranti '06 combined for four

goals. sMITe won the game, 15-0. In the second game of the tournament, sMITe played Boston University. Although BU had scored seven points against the engineers at the sectional tournament the weekend before, sMITe did not give up a point this time. Lily Huang '06 caught three goals and had four defensive blocks.

sMITe wins over Williams, Brown

On the second day of the tournament, sMITe matched-up against fourth-seeded Williams. sMITe quickly scored the first two points, Williams, however, soon found their groove and both teams fought for every point. After sMITe took the half at 8-2, Williams scored three unanswered points in a row. Led by Meryl R. del Rosario's '05 intense defense, sMITe took back control and won the game 15-7. Kathleen M. Rubritz '04 scored three goals and Yelena Gorfina '06

had two goals. The finals of the tournament saw sMITe face regional rival Brown. Although sMITe had beaten Brown 15-3 in early April, the teams seemed to be evenly matched trading points until the score was 4-4. April R. Lehman G and Angela Tong '05 then took control as they both dominated the game on offense and defense. sMITe took the half 8-5. In the second half, sMITe stepped up their defense, thoroughly frustrating Brown and shutting down their offense. Julia Cline G and Lehman both had lay-out defensive blocks. sMITe only allowed one point in the second half taking the game 15-6.

sMITe's regional victory qualifies them for the College National Championships to be held in Austin, Texas on May 23-25. Last year, sMITe finished third in the nation and hopes to improve on that this year.

Track Women Stellar At NE Championships

By Martha Buckley
TEAM CO-CAPTAIN

After their strong third place finish at NEWMACs, the MIT women showed that they still have more to prove, becoming a force to be reckoned with at post-season championships. At the New England Division III Championships on May 3, stellar performances in distance races and field events kept MIT in the top six teams for much of the meet. The lack of relays hurt MIT in the end and the women finished a close ninth overall with 32 points, only six points less than Bowdoin, the fifth place team.

Scoring led by individuals

The top scorer of the meet was Catherine A. Tweedie '04, who vaulted a solid 10' 11.75" to win the event. The MIT distance crew pulled in two silver medals. Julia C. Espel '05 ran a 11:09.35 to place second in the 3000m steeplechase, both a personal record (PR) and a new varsity record. Espel's time in the steeplechase currently ranks her 10th in the nation. Martha W. Buckley '04 ran her first 10,000m ever, placing second with a time of 37:27.84 and smashing the previous varsity record in the event by over two minutes. Buckley's time in the 10K is currently 19th in the nation. Triple jumper Chinwe P. Nyenke '04

rounded out the MIT scoring with her third place finish, a jump of 35' 9.25". At her first New England Division III Championship ever, Nancy J. Benedetti '05 was undaunted by the tough competition. She ran an amazingly even race in the 10K, finishing with a time of 42:34.87, a PR by over 40 seconds.

Success at All-New England's

At All-New England's this past weekend, the MIT women broke into the Division I competition to place in several events. Espel was the top scorer of the meet. Despite the heat, Espel ran a strong race in the 3000m steeplechase to finish second with a time of 11:11.34. Buckley placed sixth in the 5000 m with a 17:39.42, which is both a personal record and a school record by over 20 seconds. Running her third 10,000m in a row, Benedetti demonstrated that it is possible to PR every meet. Benedetti ran a 6:40 last mile to smash the 42 minute barrier, finishing with a final time of 41:40.43. Benedetti's time qualifies her to run yet another 10K at the ECAC Championships.

The next meet for the MIT women is the ECAC Championships to be held this Thursday and Friday at MIT. At the ECAC's the MIT women will be trying to improve their times and marks for nationals, hoping to join Tweedie at Nationals. Tweedie is currently ranked seventh in the nation in the pole vault.

UPCOMING HOME EVENTS

Over 50 schools will be represented at the Eastern Collegiate Athletic Conference (ECAC) Division III Track & Field Championships to be held at Steinbrenner Track on Thursday and Friday, May 15-16. This is the first time the meet will take place at MIT, and it will be directed by MIT Track and Field team members and staff. Thursday's events begin at 2 p.m., and Friday's events run from 10:00 a.m. to 5:00 p.m.

Classes
studying
problem sets
boyfriend
girlfriend
pressures
workload
roommates
more classes
more studying
more

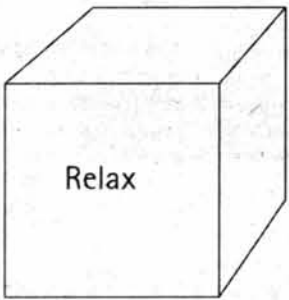


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