

EECS Sees Decrease In Freshman Majors

By Beckett W. Sterner
ASSOCIATE NEWS EDITOR

The percentage of freshmen declaring electrical engineering and computer science as a major decreased dramatically this year.

Course VI (Electrical Engineering and Computer Science) declarations dropped by 12 percent of the class, and Course XV (Management) dropped by four percent, compared with the class of 2004.

Both courses have seen the number of declared sophomores fall in the last two years, based on a comparison of fifth-week sophomore majors with the data from freshmen this spring.

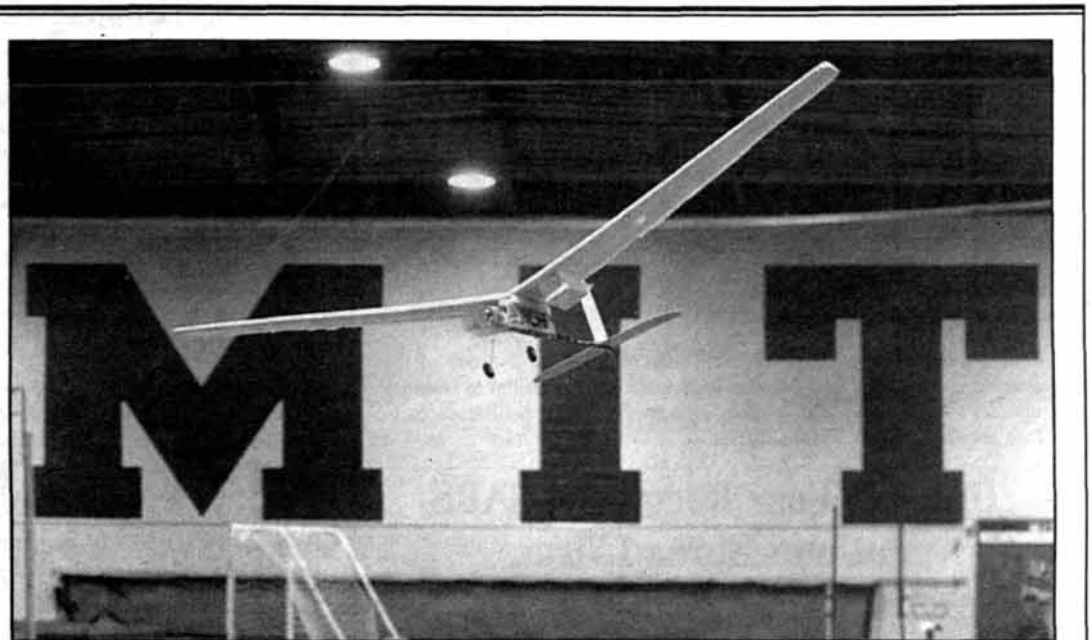
The percentage of sophomores declaring Course VI has decreased

from a relatively constant 34 percent for the classes of 2001 to 2004 to 22.6 percent for the class of 2006, a decrease of more than 100 students. Management reached a peak of 10.8 percent with the class of 2004 and is now 6.8 percent for 2006.

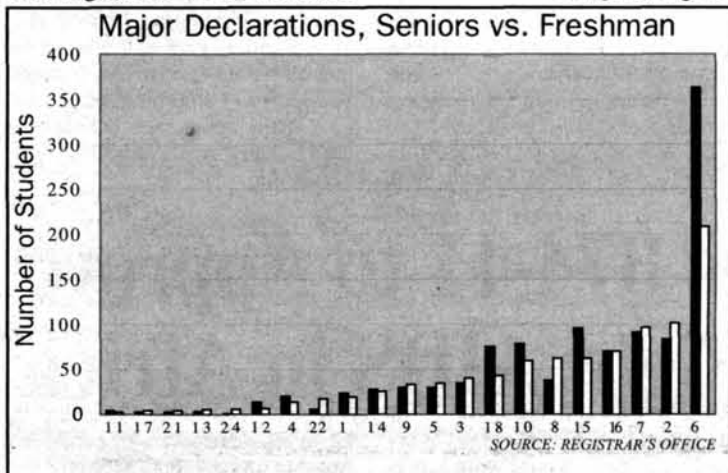
The Course XXII (Nuclear Engineering) seems to have bucked the trend, however, growing from two sophomores from the class of 2004 to 17 freshmen this spring. Department Head Jeffrey P. Freidberg said that he was "virtually certain" that the 17 freshmen are the largest class the department has ever had.

The size of all other majors has

Majors, Page 15



A remote controlled airplane flies laps around Johnson Athletic Center. Course 16 (Aeronautical and Astronautical Engineering) sophomores built the planes as part of a competition for Unified Engineering.



India to Manage Media Lab Asia

By Jenny Zhang
ASSOCIATE NEWS EDITOR

MIT has decided to discontinue its involvement in the management of Media Lab Asia, said Walter R. Bender SM '80, Media Lab executive director and senior research scientist.

"Professor [Alex Paul] Pentland and I went to India to meet the new minister" this week and decided

"not to continue our involvement," wrote Professor Nicholas P. Negroponte '66, chairman of MIT Media Lab, by e-mail.

Earlier this week, Arun Shourie replaced Pramod Mahajan as the Indian government's communications and information technology minister, according to the Media Lab Asia Web site.

MIT will still be involved in

research for Media Lab Asia, Bender said. "We have graduate and undergraduate students working over there," he said.

Minister takes different approach

The new minister is making changes in the way research is being conducted by Media Lab Asia.

Media Lab, Page 16

Students: 'We Want Our MTV, ESPN'

By Keith J. Winstein
NEWS AND FEATURES DIRECTOR

MIT graduate students made one thing clear last night: They want their MTV. And their ESPN.

And the New England Sports Network.

Reporter's Notebook

And Comedy Central.

At least for the near future, MIT's reply is that it is unable to provide any of that. The graduate students were not amused.

It did not appear that any undergraduates other than me, a reporter, attended the meeting, which was announced to dormitory housemasters, Graduate Resident Tutors, and government officers as "by invitation only and restricted to house leadership teams and student governments."

During the two-hour "Forum on Cable TV" called by Housing Director Karen A. Nilsson, the 14 in attendance — representatives of Tang, Sidney-Pacific, Eastgate, and the Warehouse, graduate resident tutors from McCormick and Bexley, and a residential life associate from Next House and MacGregor — expressed frustration with the loss of most basic

Cable, Page 17

Bad Economy Hurts Search For Student Summer Jobs

By Jeremiah Y. Yu

The uncertainties and stress associated with finding summer jobs may have increased this year for

some students because of poor economic conditions.

"I don't know what I'm doing yet and that is part of the problem," said Richard-Duane S. Chambers '05.

But others have not encountered as many problems obtaining summer employment.

Undergraduate Research Opportunities Program jobs, a bastion of summer employment for MIT students, remain a popular option.

Melissa Martin-Greene, a staff associate in the Academic Resource Center and UROP coordinator said that 501 requests for funding were submitted this year. Although this number is up from 483 proposals submitted last year, 18 additional proposals is not a big increase.

Martin-Greene said that students have told her that finding summer internships is becoming more difficult.

"UROPs are easier to obtain" than outside jobs, said Grace C. Lin '05. Lin wanted "to research and do hands-on stuff." She applied to jobs at biotechnology companies, but

"didn't hear anything." "I'm only a sophomore. I wasn't going to get much," Lin said.

Lin will be working in Associate Professor Peter C. Dedon's lab where she will be researching a better way to detect DNA damage.

Aekkaratt Thitimon '04 thinks that UROPs are much more competitive this year especially in electrical engineering and computer science and guesses that the "job market is really hard."

As a result, Thitimon has applied to ten UROPs. Thitimon joked that he will go "anywhere that will take poor students like me."

UROP vows to help find funding

The UROP office is currently processing the funding requests and will soon decide who will receive funding this summer.

If students do not receive direct funding from the UROP office, Martin-Greene reiterated the UROP office policy of "trying to secure funding for students through other sources." Alternate UROP funding usually comes from faculty funding or department funding.

Although no numbers were available regarding how many students would be funded this summer, 362 projects were funded last year,

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WENDY GU—THE TECH

Elizabeth Mullane (right) describes her group's project to Jerry Ing '04 (left) at the MIT/Cambridge Science Expo in Johnson Ice Rink on Tuesday afternoon. Mullane's group, seventh grade students from M. E. Fitzgerald School, aimed to build a cardboard box oven that heats evenly. They found that brownies baked perfectly in their oven when warmed by two 100 watt bulbs for 50 minutes.



Alvin Ailey
Dance Theater touches
Boston.

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Comics

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NEWS

The Metropolitan District Commission holds a meeting on the Charles River project.

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WORLD & NATION

Rumsfeld Announces End Of Afghan Combat

THE WASHINGTON POST

KABUL, AFGHANISTAN

Defense Secretary Donald Rumsfeld said Thursday that 8,000 U.S. forces in Afghanistan have ended major combat operations and will shift their focus to stabilizing and rebuilding the country.

Lt. Gen. Dan McNeill, the top U.S. commander in Afghanistan, said he doubted that the size of the U.S. force here could be reduced until the summer of 2004, when it will have finished training and equipping between 9,000 and 12,000 soldiers in a new Afghan national army. About 4,500 Afghans have been trained to date.

"After that it probably can be smaller because I think the Afghans can take over most of the controls," McNeill said. "I think there's still going to be combat operations. There are some areas (along the Pakistani border) that are going to be a little bit messy for some time to come yet. But in most of the country you'll find more security than has existed here in decades."

Rumsfeld, who arrived in Kabul after a five-country tour of the Persian Gulf, announced the transition from major combat to stability operations in Afghanistan as President Bush made a similar declaration aboard the USS Abraham Lincoln with respect to Iraq.

Officials Fear Recovered SARS Patients Spread Virus

THE WASHINGTON POST

Some SARS patients who have been discharged from hospitals may continue to shed the virus, raising the worrisome possibility that they could continue to spread the disease, officials said Thursday.

Researchers in Hong Kong reported that they had detected evidence of the virus in some people who have not gotten sick and in some who were thought to have recovered and therefore were no longer infectious.

"Some studies show people do continue to secrete the virus in feces and tears," said David Heymann of the World Health Organization, who was attending a scientific meeting on severe acute respiratory syndrome in Toronto. "Some cases actually recover and relapse. There are many more issues to be clarified."

But there have been no documented chains of transmission from SARS patients who have been released from hospitals, which indicates they may not be spreading the disease.

"We have to look at this," said Julie Gerberding, director of the Centers for Disease Control and Prevention in Atlanta. "The focus still needs to be on the people who are sick."

Up to 150 Dead in Turkish Quake

THE WASHINGTON POST

ISTANBUL, TURKEY

A strong earthquake jarred eastern Turkey Thursday, collapsing a school dormitory with almost 200 students inside. Authorities said up to 150 people were killed and as many as 1,000 injured in the stricken area, despite frantic efforts by soldiers and other rescue workers.

More than 70 children were saved from the destroyed four-story dormitory building, but an estimated 100 others remained trapped, they said. Rescue personnel using listening devices said they could still hear children screaming under the debris as they labored frantically with pickaxes, jackhammers and their bare hands to free them.

The quake, which measured 6.4 on the Richter scale, struck at 3:57 a.m., bringing down the dormitory in the town of Celtiksu 430 miles east of Ankara, the capital. It was Turkey's worst since a pair of powerful tremors in 1999 killed nearly 20,000 people in northwestern Turkey and sparked a public outcry over the government's slow response and failure to enforce construction standards in a country with several major fault lines.

Violence Follows 'Road Map' Release, 13 Palestinians Die

By John Ward Anderson

THE WASHINGTON POST

JERUSALEM

A day after the United States and other mediators released a new peace plan, dozens of Israeli tanks rolled into the Gaza Strip early Thursday and surrounded the house of an alleged Palestinian bomb-maker, setting off a day-long gun battle and siege in which at least 13 Palestinians were killed, including a two-year-old boy and two 13-year-olds.

Two other Palestinian militants were killed in the West Bank, and the Israeli army demolished about 16 homes in Gaza as part of Prime Minister Ariel Sharon's campaign to crack down on the families of Palestinians accused of participating in attacks on Israeli soldiers and civilians.

The Israeli attacks and the ensuing bloodshed prompted angry charges that Israel was trying to sabotage the initiative, called the "road map," and undermine the credibility of the Mahmoud Abbas, the new Palestinian prime minister who took office on Tuesday.

"Our extremists are opposition groups, but the Israeli extremists are operating the government," said

Michael Tarazi, a legal adviser to the Palestine Liberation Organization, Yasser Arafat's omnibus political group. "We cannot control our extremists, but who is going to control the Israeli government?"

David Baker, an official in Sharon's office, said there was no message or ulterior motive in Thursday's military actions. "The only policy we have is that of defending our citizens, and these activities will continue wherever and whenever they are needed, without a connection to other outside considerations."

Recent events underscore the predicament Abbas faces in addressing apparently conflicting demands. The Americans and Israelis want him to control Palestinian violence and be a negotiating partner in peace talks. The Palestinians want him to contain Israeli military operations and end Israel's occupation of the West Bank and Gaza Strip.

Abbas has little sway with either side. Since he agreed to serve as prime minister a week ago, Palestinian militants, who do not recognize his authority, have committed two suicide bombings that killed four Israelis. And since he formally took

office two days ago, Israeli military forces have killed at least 22 Palestinians in operations in the West Bank and Gaza Strip.

Thursday's operation began at 1:30 a.m. when about 30 60-ton Merkava tanks, backed by at least three AH-64 Apache helicopter gunships, converged on the Shijaia neighborhood in eastern Gaza City and surrounded the five-story house of Yousef Abu Hein, 32, a reputed bomb specialist for the Islamic Resistance Movement, or Hamas, whose family was involved in firing homemade Kassam rockets into Israel, according to Israeli army sources. Hamas asserted responsibility for a suicide bombing Wednesday in Tel Aviv in which four people, including the bomber, were killed.

Loudspeakers at mosques blared appeals for Palestinian fighters to grab their weapons and rush to defend the neighborhood, residents said. Dozens of armed men and boys poured into the alleys and streets and waged an intense battle against Israeli tanks firing heavy machine guns and tank shells and Israeli helicopters occasionally firing missiles, witnesses said.

House Votes 374-41 to Approve Money to Fight AIDS in Africa

By Juliet Eilperin and Amy Goldstein

THE WASHINGTON POST

WASHINGTON

The House on Thursday approved a \$15 billion program to combat AIDS in Africa, giving it a more conservative cast by requiring health groups trying to curb the spread of the disease to place special emphasis on abstinence from extramarital sex, as opposed to the use of condoms.

The bill, which now moves to the Senate, would triple U.S. expenditures over the next five years to fight the disease's spread and to treat those already infected. Most of the money would go to 14 hard-hit African nations in order to boost prevention efforts, medical treatments and help for children orphaned by

the disease.

The 375-41 House vote represented a swift legislative victory for President Bush, who in January surprised many by announcing the global AIDS initiative. It also marked a rare display of unity in the House, which has been deeply divided over many domestic and foreign policies.

AIDS experts in the United States and abroad have argued for years that America should spend far more money to battle the pandemic. Some advocates, however, were sobered by Thursday's House amendments limiting the money's use.

One narrowly approved provision requires that at least one-third of the program's AIDS-prevention funds be spent to promote sexual abstinence, a strategy that many conservatives pre-

fer to the distribution of condoms. Another amendment, approved by voice vote, would permit religious groups subsidized under the plan to reject any strategies they consider objectionable.

In recent days, the White House worked energetically to build support for those two provisions, even though aides had previously indicated the president would sign the bill with or without them. One administration official said Bush told congressional leaders Wednesday that he would "press hard for the abstinence-priority language." Administration lobbyists, some of whom stood outside the House chamber during Thursday's debate, phoned undecided lawmakers to urge them to back the amendments.

WEATHER

Summer Has Sprung?

By Jon Moskaitis

STAFF METEOROLOGIST

With the recent transition to May and the sudden blooming of Cambridge's flora this week, one would hope that we could at last see some typical spring weather here. April certainly did not prove to be particularly spring-like, with temperatures avoiding moderate values in favor of readings more akin to winter or summer. The daily high temperatures in of April show its manic nature quite well. Of the 30 total days, 18 were a chilly 50°F (10°C) or colder, while on the other end of the scale, 4 days topped out at 79°F (26°C) or higher. Amazingly, there were no high temperatures during the entire month between 62°F (16°C) and 78°F (26°C), making for a total void of those pleasantly warm spring days.

This weekend's weathermakers will be a cold front slowly approaching from the west and the currently prevailing moist southerly flow. Their interaction will lead to inclement conditions through Saturday. Then, high pressure should move in and provide a sunny start for the new week.

Extended Forecast

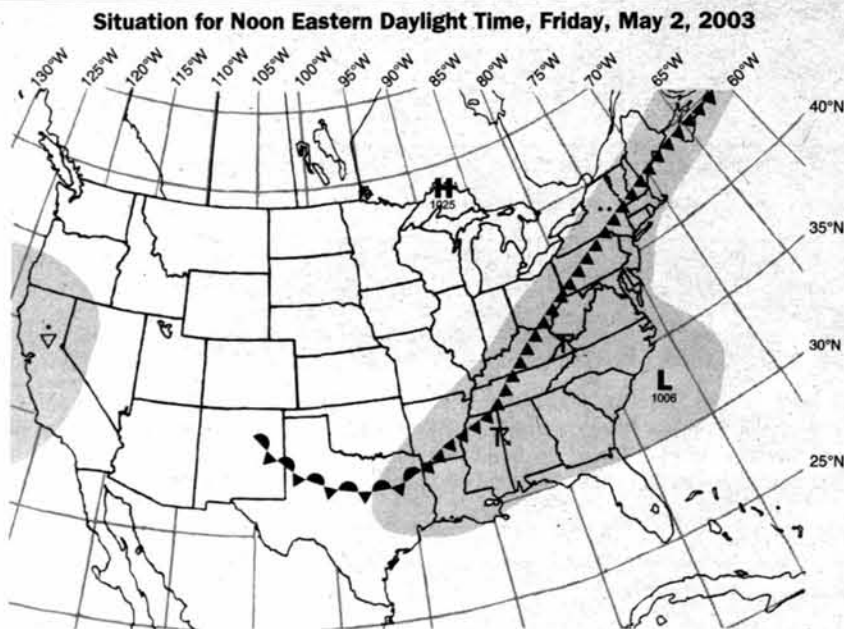
Today: Mostly cloudy with showers likely, especially toward evening. High: 65°F (18°C).

Tonight: Rain. Low 44°F (7°C)

Saturday: Cloudy and brisk, with morning showers possible. High: 49°F (9°C).

Sunday: Mostly sunny, but cool. High 53°F (11°C).

Monday: Clear. High 56°F (13°C).



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	--- Trough	Snow *	Fog
L Low Pressure	— Warm Front	Light *	Thunderstorm
§ Hurricane	▲▲▲ Cold Front	Moderate **	Complied by MIT Meteorology Staff and The Tech
	▲▲ Stationary Front	Heavy ***	

White House Will Give Support To Alternate Tax-Cut Proposal

By Jonathan Weisman
THE WASHINGTON POST

WASHINGTON

Facing the near-certain defeat of the White House's dividend tax-cut plan, the Bush administration offered its support Thursday for a Republican alternative that would cut the tax on capital gains and corporate dividends to the same lower rate.

But Treasury Secretary John Snow made it clear the administration would still push for the elimination of the "double tax" on dividends during difficult House-Senate negotiations later this month. He called the compromise plan — drafted by House Ways and Means Chairman William Thomas, R-

Calif., and embraced by the House GOP leadership — "a positive step forward that will create jobs."

"Going forward, we intend to build on this progress and continue to work with the House and Senate to pass the 100 percent abolition of the double-tax on dividends," Snow said in a statement.

House Republican leaders and Snow sought to accentuate the common ground between the \$550 billion Thomas plan and the president's original tax cut, which was to cost \$726 billion through 2013.

Thomas' plan, like Bush's, would accelerate the income tax rate cuts scheduled to take effect in 2006. It would eliminate the "marriage penalty," and expand the child

credit and the amount of investment small businesses can write off their taxes, but only through 2005. Bush wanted to make those changes permanent.

Thomas hopes to draft the tax bill in committee Tuesday and bring it to a vote in the full House as early as Thursday.

But the Ways and Means Committee's refusal to accept Bush's centerpiece dividend prescription was described as a shock to the White House, and it all but dooms the president's ambitious original plan.

Senate Republicans are having more trouble accommodating the Bush plan within their smaller, \$350 billion tax cut window.

Researchers Report Embryo Cells Can Be Transformed into Egg Cells

By Rick Weiss
THE WASHINGTON POST

Scientists in Pennsylvania said Thursday they had turned ordinary mouse embryo cells into egg cells in laboratory dishes — an advance that opens the door to creating "designer" eggs from scratch and, if repeated with human cells, could blur the biological line between fathers and mothers.

The work undermines the standard model of parenthood because the scientists made egg cells not only from female cells, but also from male cells, indicating that even males have the biological capacity to make eggs.

If the science holds true in humans as in mice — and several scientists said they suspect it will —

then a gay male couple might, before long, be able to produce children through sexual reproduction, with one man contributing sperm and the other fresh eggs bearing his own genes.

That scenario raises difficult questions, including whether the second man would be recognized as the child's biological mother.

"It's absolutely remarkable," said Lee Silver, a Princeton molecular biologist who specializes in reproductive ethics. "This breaks down all the classic barriers in terms of sexual reproduction, with none of the problems of cloning."

Cloning produces offspring from just one parent, raising a host of genetic and ethical problems not

raised by the laboratory cultivation of eggs and sperm — although the new work, in which embryonic stem cells spontaneously transformed themselves into eggs, raises issues of its own.

"Some of the applications will be seen as straightforward boons to humankind, such as for women who can't make healthy eggs the usual way," said Thomas Murray, president of the Hastings Center, a bioethics think tank in Garrison, N.Y.

Human applications aside, the ability to mass-produce egg cells in a lab could make it much easier to engineer traits into animals and help conservationists rebuild populations of endangered species.

At Least 60 Die As Bus Plunges Into Reservoir

NEWSDAY

JOHANNESBURG, SOUTH AFRICA

A bus packed with workers on their way to a May Day celebration plunged into a reservoir 250 miles south of here in the early-morning darkness Thursday, killing more than 60 people in this nation's worst road disaster.

Ten people — nine men and one woman — survived the 5 a.m. accident by crawling through the bus windows, authorities said. By evening, emergency workers had recovered 63 bodies and expected to find at least seven more.

Authorities said the driver got lost and drove down a gravel road and into a man-made reservoir, Saulspoort Dam, near the town of Bethlehem. Residents there said the road was used as a boat launch. It was unclear why the bus driver left the paved road and why he ended up driving into the water. Television footage of the scene did not show road signs warning motorists of the gravelly dead end.

Rescue workers in scuba gear worked for hours until darkness, recovering only bodies.

Judge to Hold Hearing On Transit Fare Hike

LOS ANGELES TIMES

NEW YORK

New Yorkers are bracing for a 33 percent transit fare hike that is scheduled to take effect this weekend, but in the face of mounting political protests and legal opposition a judge announced Thursday that he will hold a hearing next week to decide if the proposed \$2 fare for city subways and busses should be rolled back.

During a contentious two-hour hearing, Manhattan Supreme Court Justice Louis York said he needed more information before ruling on a request for an immediate freeze sought by the Citizens' Straphangers Campaign, an activist group.

In a lawsuit filed this week, the Straphangers group alleged that the Metropolitan Transportation Authority had deliberately misled the public by claiming it had a \$2.8 billion deficit this year, instead of an \$83 million surplus. The lawsuit asked that the proposed fare increase in the nation's largest public transportation system be delayed by the court until a new round of public hearings can be held.

"We're going to get all the facts out in the open, and the judge has promised us that chance next week," said Gene Russianoff, the Straphangers' attorney, in a news conference outside the courthouse. "We don't think these increases were justified. They weren't presented honestly and transit riders were the victims."

Gregg Mashberg, an MTA attorney, dismissed the charges as "baseless," even though he conceded that the agency may not have fully explained its financial situation to the public.

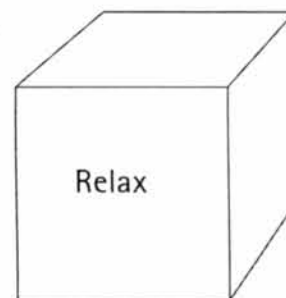


Stress

You can't just breathe it away.

The pressures of everyday MIT affect us all, but when stress gets overwhelming it's smart to reach out. MIT Medical is here to listen and to show you tips for managing stress.

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Letters To The Editor

A Rebuttal From Mech E

I was disappointed to read the article by Moshe Alamaro ["Questionable Qualifiers"] in your April 25 issue. The following message from Dr. Krupadanam sheds light on its contents and perhaps on its author.

I realize this was an opinion piece, but as it contains inflammatory (even potentially libelous) statements I would have expected some attempt to contact Dr. Krupadanam or me for comment or to verify facts. We are both MIT alumni, hence easy to locate, yet apparently no attempt was made. I hope you will consider doing so in future.

Prof. Neville Hogan PhD '77

"Dear Prof. Hogan,

I am a former graduate student of Dr. Annaswamy. I received my Ph.D. from the ME department in 2001. I am writing this e-mail to you because I have come to know of an article by Moshe Alamaro in *The Tech*, which mentions my PhD qualifying exam and mentions you as being opposed to my advisor's research and thus the cause of my failing the presentation part. I have not yet read the *Tech* article but I would like to clarify that I do not in any way agree with what has been written about you in that article.

I studied with Moshe for the qualifiers. I happened to discuss the qualifiers with him at

that time and mentioned to him that you had asked critical questions about my work during the presentation part of my exam. I had not suggested in any way that you had been responsible for my failing the exam nor that you were opposed to Dr. Annaswamy's research. I have since known that you have been very supportive of the work being done by Dr. Annaswamy's group. I am sorry that your name has been used in this article along with mine in this manner on the basis of a private conversation.

Ashish Krupadanam PhD '01"

Public Transit

I write in response to Mr. Ken Nesmith's column "The MBTA, Palestine, and You" [April 29].

I applaud the individuals running the transportation network in Ramallah, under very difficult conditions, as the author points out. He neglects to mention, however, that Ramallah city has an area of approximately 20 sq km, and a population of 40,000. There are 220,000 people in all of Ramallah district. By contrast, the urbanized Boston area is 891 sq km with a population of 2.8 million (more than the entire West Bank), and the full service area of the MBTA is 3,244 sq km, with a population of 4.5 million. The approximate number of one-way trips on the MBTA is 842,000 every weekday. The operating expenses per passenger trip are less than \$3,

and including capital expenses, is about \$4. I wouldn't characterize that as very expensive.

I must also observe that as far as I know, there is nothing preventing private enterprise from offering a parallel transport network in Boston and the surrounding areas. The fact that they don't suggests that it is impossible to run a profitable service at the fares currently charged by the MBTA. So to fund it, either fares must be hiked, services must be cut, or taxes must be raised. Of the three alternatives, only the last has a prayer of not hitting the poor hardest.

If you want to talk about efficiency of urban transit, there are probably better examples than Ramallah: the bus network in Mumbai, India, carries 4.7 million passengers daily, at a cost of about \$180 million per year. That works out to less than 15 cents a passenger (around 75 cents on a purchasing power parity basis). The highest fares are around 25-30 cents (for distances of 25-odd km). Mumbai also has a suburban rail network that carries over 6 million passengers daily, though I can't locate budget figures for it. The city itself has a population of about 10 million, spread over (or rather, packed into) 365 sq km, with probably 3-4 million in the surrounding suburbs. Unfortunately for the author's thesis, of course, both the bus and rail networks in the Mumbai are operated by the public sector.

I will allow that it isn't such a rosy picture, because the system is massively overloaded, and needs capital improvements.

Arvind Sankar G

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The WMD Debate Continues

Maywa Montenegro

In his column this week in the New York Times, Thomas Friedman encourages us to forgive and forget about the weapons of mass destruction whose supposed existence was the primary justification for the war (The Meaning of a Skull, April 27). But far from being, as G.W. might say, "irrelevant" now that Saddam is gone, these weapons (or lack thereof) should continue to command our attention. We should be concerned if such weapons stocks do indeed exist, hidden but vulnerable to seizure by any ill-intentioned party. We should be even more concerned if the vast arsenal of biological and chemical munitions so often cited before the war proves to be no more than Foxy propaganda.

For over a month now, special U.S. military inspections teams have been scouring Iraqi territory, looking for evidence of WMD capabilities, and thus far, they have come up embarrassingly dry. Last Friday, TV news-watchers all across America tuned in to learn that the military had uncovered fourteen "suspicious" 55-gallon barrels just north of Saddam's hometown of Tikrit—and the media were quick to announce that "preliminary tests conducted on one barrel indicate it could contain a mixture of sarin and mustard agents." Tonight, the New York Times reports that further tests have indicated an apparent false positive. Oops. This waffling—while partially testament to the sheer difficulty of the inspections task—also reveals the hawks' eagerness to find something to wave as the "smoking gun." Friedman tries to offer an alternative way out with his "who

cares?" approach, but the Pentagon rightly realizes that allaying an increasingly skeptical public will not be so easy, and so the search continues.

Given that Saddam had ample time to dismantle his artillery and squirrel them away, it is entirely possible that we will eventually unearth caches of weapons or weapons precursors. But the fact that we have been thus far unable to find anything substantive makes one wonder how the Bush Administration could have been so confident, months ago, that such weapons existed. Who can forget Bush's State of the Union address in which he trumpeted the 500 tons of sarin, mustard agent and VX nerve gas, plus more than 30,000 munitions capable of delivery? The evidence for these stockpiles came mainly from UN reports

around, surely they will have no problem doing it again—much to the imperilment of Syria, Iran, and Saudi Arabia, just to name a few on the Pentagon short-list. And if we follow Friedman's appeal to just forget about it, the situation in Iraq sets a dangerous precedent: first invent a reason to attack, and then if the reason proves hollow... then, oh well, the attack was successful, wasn't it?

The fact that we have been thus far unable to find anything substantive makes one wonder how the Bush Administration could have been so confident, months ago, that such weapons existed.

In Friedman's skewed perspective, the United States is good, noble, and most importantly always "right," while the rest of the world is "tribal" and prone to "evil," or else civilized but unfortunately French. Yes, Saddam was a brutal dictator who left thousands of Iraqi victims in his wake. There is little doubt that he ruled with an iron fist and a chokehold of terror. By no means do I mean to imply that the U.S. government comes close to this in its treatment of its own citizenry. But the history of our foreign intervention is bathed in an equally heinous wash of blood—perhaps this is where Friedman gets his rosy vision. Whereas Saddam's brutality was almost wholly domestic, the United States has scattered its skulls more globally—in East Timor, Vietnam, Afghanistan, the Occupied Territories, the Congo, South Africa, Chile, Guatemala, Honduras, El Salvador, Honduras, Panama. Saddam victimized his own people. They lived under the oppression, heard about the tortures, witnessed the disappearances. We, on the other hand, are remote from the effects of our government's actions.

And as for Saddam's "insane" war with Iran, surely Friedman needn't be reminded which superpower was shaking the hand of the dictator at the time?

We have reason to be concerned about these missing guns, for if Bush had no qualms about distorting the facts the first time around, surely he will have no problem doing it again.

U.N. weapons inspector Hans Blix said last week, "It is conspicuous that so far they have not stumbled upon anything."

Contrary to what hawkish pundits like Friedman say, we have reason to be concerned about these missing guns, for if Bush and the neoconservatives had no qualms about distorting the facts the first time

iTunes: Easier than Stealing?

Philip Burrowes

Apple's new music download service officially debuted Monday after weeks of rumor and red herrings (would Apple create a color iPod, purchase Universal Music Unit from Vivendi, cure SARS?). Still, the company's so-called iTunes Music Store is essentially in beta testing with the very small, albeit vocal minority that uses OS X. Reviewing it at this early stage would be presumptuous and of little value to most people. It may nevertheless prove worthwhile to analyze the concept and its underlying tenets, now that they are public.

First of all, it's not another MP3 subscription site. Building on its prior incorporation of MPEG-4 into Quicktime 6, the Music Store makes songs available as AACs (Advanced Audio Coding). Ostensibly this is to provide better data compression to allow consumers to hold more music, and to allow the store to provide files faster. It just happens to have the side benefit of increasing the incentives for users to download Quicktime, which was once the premier multimedia format but has since fallen behind RealAudio/Movies and Windows Media in market share. There's also the matter of AAC-compatible digital audio players, like Apple's simultaneously launched series of new iPods, but Apple has also provided a firmware update for old iPods to maintain their functionality. While there's no doubting from the ad campaign Apple's planning that it sees the Music Store as a tool to promote iPod sales, it's of minimal cynicism; the iPod has long been a Trojan Horse of sorts to attract "Switchers."

Even for the firmly ensconced OS X crowd, however, the AAC format has a series of drawbacks. For all the supposed superior quality of AAC over MP3, CDs are still of superior quality, and there is no option to change the bitrate of purchases. Once a song is bought, its use is limited to three computers through an authorization procedure. Conversion to other formats is disabled, and

burning will probably remain possible only through iTunes (Apple is planning a Windows-y version thereof). Ripping thusly-burned CDs would provide MP3s of questionable quality, but by then you've defeated the ease-of-use and quality-preservation characteristics which made digital reproduction so popular in the first place. Until the day all CDs are copy-protected, these make for critical limitations.

Going on economics alone, the Music Store can be a boon or bane, depending on your outlook. All tracks are the same cost, no matter their size. For Thelouise Monk's classic 11 and half minute "Straight, No Chaser", that 99 cent price rate is a song (no pun intended). If you want to hear Stacie Orrico sing Kum-Ba-Ya for all of 8 seconds, however, that's information superhighway robbery. Exceptionally long songs, like Rhapsody in Blue, may be available only through full album purchases, but there's no denying that this is a store for a "single culture" tired of plunking down \$15+ on an entire CD for the proverbial two or three good pieces. Whether or not such behavior should be encouraged is another story entirely.

Of course Apple didn't design the Music Store to court the CD-purchasing crowd.

They're the music industry's bread and butter, and even if record companies get 65% of the Music Store cut, their gross won't compare to the take off another 50 Cent. Rather, it's going after the P2P networks which made record companies

so nervous in the first place (and, not coincidentally, tended to ignore the Macintosh market). What makes the music store appealing is not its legality, however, but that for the person who shares out of necessity—not morality—it may be easier to buy a song than find a quality file from a

good connection.

Let's say, hypothetically, that you went to Dan Katz's concert at The Thirsty Ear on Tuesday, and really liked the three songs he covered. You might find Pete Yorn's "Black" on Kazaa, and Dan Bern's "Tiger Woods" on Morpheus, but whenever you try and get the copy of Jump Little Children's

"Cathedrals" you found, the connection keeps getting dropped. Not only does the Music Store have all three, but once you've registered, like any One-Click service, it's remarkably easy to waste a lot of money. At 99 cents (plus tax) you just might opt to buy "Cathedrals" rather than search more Stanford servers. On a broadband connection, the speed of the download will outstrip many if not most P2P ones.

Can that be maintained as many users jump on board, however? It's in that future that we'll really see the potential and limitations of the store. People won't share if they won't have to, and the P2P experience can be very frustrating. However, the wealth of media available in that Cal Tech kid's directory can be very tempting. Will the Apple store be able to compensate for the relative absence of video or imported albums, for example? As of now, it seems to be countering depth with breadth, including such often ignored genres as Broadway, Gospel, and yes, a little a cappella (who doesn't love the Swingle Singers?).

When Apple trumpets its cache of "exclusive" tracks from Top 40 stars, then, it may be going the wrong route; might as well download random acoustic mixes from MP3.com. Clearly Apple is in bed with the recording industry on this one, and as much as that will irk the self-righteous thief, that will provide nothing novel to the casual consumer/(thief) majority. The Music Store is in position to provide a venue for artists themselves and in the end subvert the old order, depending on the heretofore unknown cost of infrastructure. It can be a forum for self-publishing as well as a Mecca for college radio esoterica. Maybe it's not just a Trojan Horse into the Wintel world, but one into the music industry itself. No wonder Apple didn't buy Universal; why buy the cow when you can steal its calves?

Do you have thoughts about today's news?

Put them in print!



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FEATURES

I Survived the MCAT

By Eun J. Lee
FEATURES EDITOR

Everyone has their marathon. The Kenyans, Will Ferrell, and Brian Loux had this year's Boston Marathon. Nick Sidelnick had 1,729 laps in the Z-center pool in preparation for swimming the English Channel this summer. Me? I finished my marathon this past Saturday in a little under 10 hours.

My marathon was not in the spirit of overcoming nature's greatest obstacles or exploring brave new frontiers. I did not boldly go where no man has gone before. In training for my marathon, my body was not sculpted to be an efficient, well-chiseled machine. While others train by expending energy and feeling the burn in their muscles, I trained for mine by vicariously experiencing a runner's high while recalling lactic acid formation in anaerobic respiration and the importance of cooperative binding in hemoglobin.

My marathon was the Medical College Admissions Test. On Saturday morning, I left my dorm room armed with my number-two mechanical pencil, a black pen, a photo ID, what is left of my brain after being at MIT for three years, and a shit load of caffeine. With the experience all said and done, I only have one thing to say: I want ten hours of my life back.

A ... lot ... of caffeine

The big test day began at 6:30 a.m., three hours past my normal bedtime, when I hit the snooze button on my alarm for the fifth time and finally rolled (or fell — I can't remember) out of my bed. I didn't get much sleep the night before — only three hours to be exact. My Circadian rhythms and I normally coexist peacefully, except for important occasions in my life when I have to get up early. I'm usually pretty chill with my rhythms. I don't mind when we stroll in to lecture a few (hey, forty can count as a few) minutes late or sleep in until mid-afternoon on the weekends, but honestly, I was a little disap-

pointed that the little guys let me down on test day. Luckily, though, on Saturday, the lack of sleep was nothing that a grande espresso and a Nalgene full of super-concentrated iced tea couldn't fix.

On your marks, get set, go

For those of you who aren't familiar with the MCAT, let me give you the break down. There are four sections of the test, which are proctored in the following order: Physical Sciences, Verbal Reasoning, Writing, and Biological Sciences. The Physical Sciences and Biological Sciences sections are each 100 minutes long with 77 questions. Although the test is mostly multiple choice, the majority of questions are based on reading passages, so you really have to beat the clock to finish each section.

The Verbal reasoning section is 85 minutes long with 60 questions, and the writing section consists of two 30-minute long writing samples based on a question in the same format of the following: Consider this statement: "Rhode Island is neither a road nor an island. Write a unified essay in which you explain what you think this statement means. Describe a situation when Rhode Island can be both a road and an island. Discuss what you think determines whether Rhode Island is a road or an island."

As you might imagine, it's a fun-filled 345 minutes, with additional ten-minute breaks between each section and a one hour lunch break halfway in between. However, this time is only the actual testing time. Identification procedures designed to ensure you're not cheating by taking the test for someone else took up the remainder of the time, including getting fingerprinted and signing your name a bunch of times.

How to make the MCAT your bitch

"I want to make the MCAT my bitch," a fellow pre-med friend told me a few days before the test. I agreed with her, but on test day, this determination to prove my knowledge manifest-

ed itself in my heavy eyelids and caffeine-induced nervousness.

So it was me and 180 of my closest anal pre-med friends at the Tremont Hotel in downtown Boston on a rainy Saturday. Okay, maybe they weren't all anal, but I'm sure some of them were.

"No colored pens, pencils, or highlighters are allowed," our proctor read before starting the first section around 9 a.m. "Ironic," I thought to myself, recollecting fond memories of everyone whipping out their shimmery, sometimes scented, colored pens in 7.05 and 5.12. What are pre-meds to do without colored pens? It's a trademark, and you know people have probably tried to bring them to the test in the past. Why else would there be a specific clause in the instructions?

"Photocopying or memorizing any part of this test is prohibited," our proctor continued reading and then looked up with a big grin on her face. "Now don't any of you try any funny business. Once you read it, just forget about it."

Because of this last clause, I don't think I can go into specific anecdotes about passages or questions in the test, at least not in print. But I can tell you that despite taking a Kaplan class and studying nonstop for the last few weeks, nothing I did in preparation was as intense as the real thing. When I finished the test, I honestly felt more tired than if I had run ten miles. At least after running, your muscles may be sore, but at least they haven't atrophied. By the end of the MCAT, I think I developed a bed sore, I couldn't fully see out of my left eye, and my hand was swollen from a rare bubbling-induced repetitive stress injury.

We like to party

You always hear the horror stories about the MCAT. I guess with a test so intense, there is a lot that can go wrong. Luckily, my biggest fear of falling asleep halfway through did not happen. However, it was hard to concentrate the

entire time and not get distracted. The human mind's ability to wander is incredible, particularly when it's mine.

One passage had a measurement in units of ppm, or parts per million, and I had a Bridget Jones' diary moment. In the movie, she refers to this man's name as "Mr. Titspervert" when his name is really "Mr. Fitzherbert," and she can't think of his real name when under pressure. In my case, I have a friend who refers to ppm as "privates million" instead of parts per million, and when I read the question, it took a minute to think of the real meaning.

For over half of the test, the room was shaking from music coming from the Roxy club next door to the hotel. Apparently they were testing their sound system for that night. I can't really remember the questions from the writing passage, but I can remember getting my chair-dance on to "We like to party" and "Dancing Queen."

Things I forgot to mention

Okay, so maybe the experience wasn't as bad as I like to pretend it was. Actually, the more I think of it, the memories I haven't yet repressed from the test itself were pretty bad, but the peripheral events before and after were actually pretty heartening. For one, I forgot to mention that my friends woke up earlier than I did to make breakfast for me and another friend who was taking the test. My brother-in-law also picked me up in the morning to drive me to the test. And everyone I know has been so supportive, wishing me luck before and asking me how it went afterwards. I don't know exactly how to answer the latter question. I'd like to say I made the MCAT my bitch, but I'm not sure it went that well.

The only source of comfort I have is in the knowledge that in the end, I was not the MCAT's bitch. I know this because I have already been claimed as MIT's bitch, and she is a mistress who doesn't like to share.

Gadget Review

Stamps.com Internet Postage

By Kailas Narendran

COLUMNIST

Stamps.com gives you the ability to print postage from your PC. It's just like going to counter at the post office, but without the lines and crappy service. You can get rate quotes, purchase and print postage — all from your desk for a monthly service charge. I found the service enormously convenient, despite some flaky third party integration issues in the software and annoying post office regulations for the service. The Stamps.com service is well designed and has good support. If you send mail via U.S. Postal Service frequently, the

service they provide is invaluable.

Why bother?

There are often times when e-mail just doesn't cut it. Whether you're an eBay addict that needs to send packages or someone sending a letter to your not-so-techno-savvy grandmother, at some point all of us have to enter the dreaded post office. Once you're in line, all are equally mistreated and ignored. Until now, your only option to avoid the post office was to either buy stamps — most likely from the post office — or get a stand alone meter.

If you get a meter, you're limited on the dimensions of packages you can print postage for, and there's a significant rental and maintenance cost in addition to another piece of equipment you have to deal with. The Stamps.com service provides another alternative by integrating services normally provided by the post office into your computer and printer.

Whenever you want to mail something, you simply type in the recipient's address, select the type of package, and press print. You can print out on your conventional printer (directly onto the envelope or onto label sheets), standard pages for shipping labels, or onto a label printer. The software automatically corrects addresses that are wrong to ensure it will be delivered correctly.

Features (and those to come)

There are more cool features that Stamps.com provides, above and beyond making your printer into a postage meter.

Pros	Cons
Easy to use	Flaky third party integration
Faster than post office visits	Some irritating USPS regulations
Cost savings over traditional technology	
Flexible output options	

They have a service called Netstamps that lets you literally print your own stamps. You can use these stamps whenever you want (as opposed to the meter mode, where you need to mail it on the day you've indicated on the postage).

For those that sell a lot on eBay, a service will be offered soon that allows hidden postage. This is for when you want to re-coop handling charges by summing them into your shipping, without letting the buyer know that the postage was really only half of what they paid you. Stamps.com is the only online postage provider that is approved for the service.

Third party unparty

I found that the third party integration in the software was pretty marginal. After I installed the Microsoft Word integration, my copy of Word became unstable and would not let me uninstall it. However, the stand alone software for Stamps.com works well.

The stand alone software allows you to manage a contact database, print postage in batches, etc. I found it easy to use and understand. It also provided a good degree of flexi-

bility.

USPS interaction

Going with Stamps.Com does not completely shield you from the inefficiency of the USPS. Currently, it seems like any innovation in the technology is limited by the speed of the government. Even if the company comes up with cool features, it takes a significant amount of time to push it through the bureaucracy of the USPS. For example, you can't print metered international postage yet due to government regulations. I imagine that as online postage catches on, the process will move faster.

\$.02

Stamps.com provides a cost effective postage alternative over the traditional in-office meter. The "Power Plan" offer for \$15/month allows you to purchase and print unlimited amounts of postage. Compare that to a meter which runs about \$50/month, and the choice is a no-brainer. Almost everyone has a computer, printer, and internet access these days, so you might as well use the flexibility it provides if you need it. You can find out more at (you guessed it) <http://www.stamps.com>.



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Ask SIPB

STUDENT INFORMATION PROCESSING BOARD

Working dorm networks are a necessity for most MIT students, with puzzled students coming out of their rooms the instant the network stops working. This week, we discuss the issue of dorm networks.

Question: What services are available in MIT dorms?

Answer: The current service level in most dorms (with a few exceptions) is one port per pillow (that is, per student) at 10Mbps shared.

The current MIT standard for upgrades and new building construction is 2 ports per pillow at 100Mbps and wireless service. Baker, Sidney Pacific, The Warehouse, and Simmons conform to the standard.

Senior House currently has 100Mbps and wireless service, but only one port per student.

Other dorms may have wireless (via dorm provided, or individual student provided access points), but it is not supported by Information Systems.

Question: Why are the dorm networks occasionally hosed?

Answer: As mentioned in the answer to the above question about dorm speeds, the majority of the dorm networks are older shared 10Mbps networks. These networks can easily become congested because there are just too many machines trying to send too much traffic through the network.

The most common reason for traffic congestion on these networks are file sharing programs. Many file sharing programs are quite aggressive about consuming as much bandwidth as they can and these programs also believe that MIT has a very high speed connection so attempt to retrieve files from MIT with a higher priority than from other locations.

Backing up your hard drive from one machine on the network to another using windows file sharing has also been known to really slow down the dorm networks. If you'd like to back up your computer to another machine on the network, if at all possible, hook the machines up to each other directly using a crossover cable. If that's not possible, then use a more network friendly protocol like ftp or ssh to transfer your files between machines.

Question: How do I configure file-sharing software to not hose the network?

Answer: The best bet for configuring file sharing programs to not hose the network is to turn off uploading. Sharing your MP3 collection with the world (besides a potential violation of copyright) may make you well liked in your file sharing community, but its effect on the network will make your neighbors unhappy — and your neighbors know where you sleep!

File sharing programs also have a "supernode" option. What this option does is advertises your machine as the source of all files on your subnet, causing more people to try to download files from your machine and increasing traffic on your network. This option is typically enabled by default and should be turned off.

If your file sharing program allows you to rate limit uploading and downloading, you should set rate limits. What rate limit will work best is highly dependent on the amount of traffic on the network at the time, but 384kbps for downloads and 128kbps for uploads is a reasonable place to start. Keep in mind that if you're on one of the 10Mbps shared networks, the entire rest of your dorm is contending for that 10Mbps of bandwidth.

Question: What upgrades are planned for the future?

Answer: Housing and Information Systems have announced a project to upgrade the network infrastructure in the dormitories. This project is the culmination of nearly one year's worth of work and planning since the "Resnet Town Meetings" in the Spring 2002 semester.

The town meetings enabled Information Systems and Housing to hear the students' concerns and begin preliminary plans for an upgrade. Much of the planning took place over the fall semester. Installing new equipment to support 100Mbps and wireless would require new Telecom rooms, as there was simply no way to squeeze additional equipment into the existing spaces. Housing and Information Systems worked together to identify locations for the new rooms. The process to identify and agree upon locations for these new Telecom rooms was long, however it ensured that the interruption to the students would be minimal.

Each student will have four RJ-45 ports. One port will be reserved for analog phone service. Two ports will be activated for MITnet service at 100Mbps. The fourth port will be reserved for future service. Each dorm will be getting Information Systems' supported 802.11b wireless service, using access points similar to the ones installed in academic buildings around campus.

The upgrades are currently planned to be done in several phases. Phase I, which is expected to kick off before the end of 2003, will include the following dorms: Next House (W71), East Campus (62 & 64), Bexley (W13), New House (W70). The networks in these buildings are currently not maintainable, and as such are a high priority for upgrades. In the interim, Information Systems has been working in the space obtained thus far to provide some incremental upgrades and short-term solutions for these networks. Once Phase I is underway, additional dorms will be identified and necessary space will be found for the next round of upgrades based on the availability of funding.

Question: What are the issues involved with upgrading the dorm networks?

Answer: The primary issue with upgrading dorm networks is space. The current phone closets are inadequate for new equipment to provide higher speed service. They don't have appropriate space for new equipment, nor do they have appropriate cooling for that equipment.

In a dorm, acquiring space may mean taking away student rooms. Information Systems has been working closely with the Department of Housing to obtain adequate space and minimize disruption to students. Finding appropriate space for new telecommunications rooms can be a lengthy process involving much negotiation and compromise.

The upgrade project also requires substantial funding. The Department of Housing is contributing \$900,000, and Information Systems is contributing \$2.9 million to Phase I of the upgrade project.

To ask us a question, send e-mail to sipb@mit.edu. We'll try to answer you quickly, and we might address your question in our next column. Copies of each column and pointers to additional information will be posted on our Web site <http://www.mit.edu/~asksipb/>.

MedLinks: 10 Years And Still Going Strong

By Veena Ramaswamy
ASSOCIATE FEATURES EDITOR

The MedLinks program is looking back and looking forward as it celebrates its ten year anniversary.

This term, MedLinks has increased its publicity efforts and recruitment in hopes that more students will become actively involved in the program.

"It's about friends helping friends, students helping students. No one understands you more than another student. That's why this program works so well," said MedLink coordinator and MIT Medical Assistant Health Coordinator Julie A. Banda.

MedLinks is a student run peer advocacy program sponsored by MIT Medical that trains students to serve as liaisons between MIT Medical and the student body. There are currently around 90 MedLinks.

Efforts increase student awareness

One major program requirement is an 8-week training program where MedLinks members are trained in listening and communication skills, MIT Medical policies, procedures and resources and other health topics such as eating disorders and alcohol problems.

Many MedLinks involved in the program find it very rewarding.

"I joined because I thought it sounded like a pretty good program being able to help people out," said MedLink Diana L. Lam '04.

"We want people to feel comfortable to come and ask us questions on health related issues. We are here to help," MedLink Weifeng Victoria Lee '06 said.

Not all dorms have MedLinks

Many MedLinks give medical advice to their friends. Coordinators are looking to expand the population MedLinks serves through a heightened advertising campaign promoting the program's services and recruiting new members.

"It's been really exciting, with the publicity we've seen a lot of interest from people who want to become MedLinks. Having a MedLink in a living group or a dorm is a really valuable asset. And there are currently a couple of dorms and living groups that have no MedLinks," Banda said.

If every living group and dorm has at least one MedLink, it will be more likely that students will know their MedLinks and feel comfortable enough with them to seek their help.

"So many people are hesitant to approach us or go to MIT Medical. We wish more people sought our help or just came and talked to us," MedLink Lisa J. Mroszczyk '04 said.

"The more people we train, the greater the chance we will have of people knowing the MedLinks personally. This will give them more of a reason to seek the MedLinks out," Laura Stuart, MedLink coordinator and MIT Medical Health Educator, said.

Dorms currently without MedLinks include New House, Random Hall, Senior House. There are also several Living Groups without MedLinks.

RAAs don't have to be MedLinks

For the past few years with Residence Based Advising (RBA), Resident Associate Advisors (RAA) have been required to be MedLinks but this policy will no longer be in place for the fall semester.

RAA's will still be trained by MIT Medical, but in different areas than the MedLinks program normally covers. Such areas for RAA's will include health related issues such as eating disorders and dealing with stress.

"RAA's will have training catered to their exact needs. This way they'll get the benefit of training from MIT Medical but they don't have the requirement of becoming active MedLinks," Banda said.

Stratton to house siesta room

MedLinks will ameliorate the MIT student population's end-of-the-term health woes by transforming Twenty Chimneys in the Student Center into a "Siesta Room" on Monday and Tuesday. There will be beds for students to take a snooze from 10 a.m. to 4 p.m. On Thursday, the "Siesta Room" will be moved to the Mezzanine Lounge.

"This is the first time we're doing this. It should give people a nice place to nap rather than napping on desks or tables at the student center. And we'll have people there to wake you up when you'd like," Lam said.

We need someone with the confidence of a surgeon, the dedication of a marathoner and the courage of an explorer.

We have a unique opportunity for someone very special.

A chance to spend two years in another country. To live and work in another culture. To learn a new language and acquire new skills.

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maybe a teacher, a mechanic, or a recent college graduate.

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We need someone special. And we ask a lot. But only because so much is needed. If this

sounds interesting to you, maybe you're the person we're looking for. A Peace Corps volunteer. Find out. Call us at

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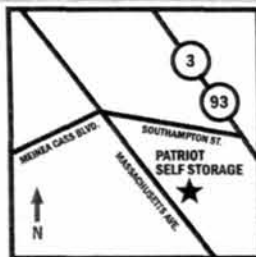
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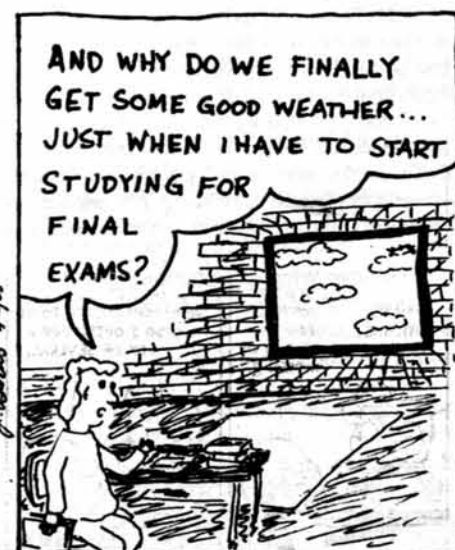
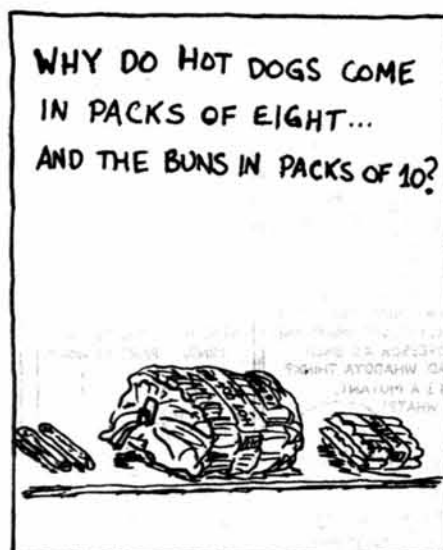
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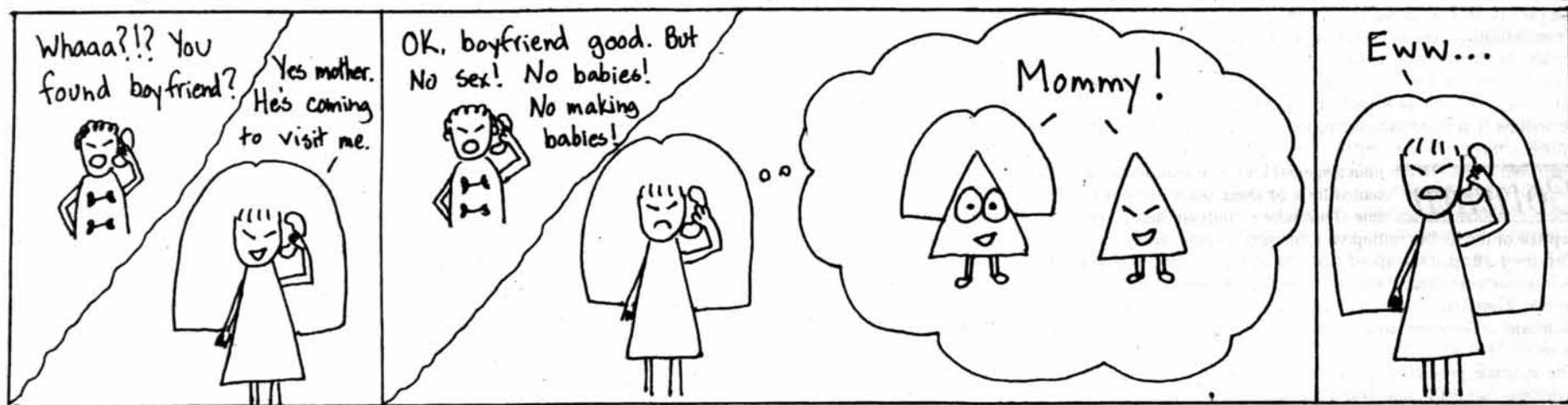
INSTITUTE MADNESS!

ALISON WONG



Hay Fever

by. Qian Wang + Jennifer Peng



E-mail us any comments

JPeng

5-2-03

THE RICK AND CHESTER SHOW



SENIORITIS

So you're gonna start drawing comics for the Tech during the hardest part of the semester?

Yes!

The most treacherous part! They'll never expect it!

Well that doesn't make sense to me...

But then again, you are very small.

mit senioritis@hotmail.com

FoxTrot by Bill Amend

WAY TO GO, FOX!

NICE HUSTLE! NICE HUSTLE!

I SWEAR, YOU GET FASTER EVERY GAME!

(PANT PANT) WHERE'S MY SOUP?

NO WONDER THIS ALPHABET SOUP TASTES SALTY.

WHAT'S WITH THE GETUP?

IT'S MY COSTUME FOR THE OPENING OF "X-MEN 2."

I COULDN'T DECIDE ON WHICH CHARACTER TO BE, SO I OPTED FOR A MIX OF SEVERAL.

I'VE GOT WOLVERINE'S CLAWS, NIGHTCRAWLER'S TAIL, CYCLOPS' VISOR, AND PROFESSOR X'S BALD HEAD. WHADDYA THINK? AM I A MUTANT, OR WHAT?!

IT'S LIKE YOU READ MY MIND. THAT'D BE THE PROFESSOR X PART AT WORK.

Dilbert® by Scott Adams

YOU CAN SURVIVE THE NEXT ROUND OF LAYOFFS BY SACRIFICING A CO-WORKER.

YOU MUST MAKE YOUR BOSS BELIEVE THAT SOMEONE IS A WORSE EMPLOYEE THAN YOU.

TED, LET ME EXPLAIN REVENUE: IT'S LIKE YOUR EMBEZZLEMENT, BUT IT'S DIRECTED AT CUSTOMERS.

I HAVE AN UNIMPORTANT PROJECT, SO I THOUGHT OF YOU.

FIND A BUNCH OF INSPIRATIONAL QUOTES THAT WE CAN PUT ON THE LOBBY WALLS.

"IF BEING AN EAGLE IS SUCH A GOOD IDEA, WHY ARE THERE SO FEW OF THEM?"

I'VE BEEN ASKED TO COLLECT INSPIRATIONAL QUOTES FOR THE LOBBY WALL.

GET OUT OF MY CUBICLE, YOU FREAKISH WASTE OF CARBON.

THAT'LL LOOK GOOD OVER THE ELEVATORS.

Down the Hatchet Keepin' It Teal

By Akshay Patil
COLUMNIST

My new toothbrush is a technological marvel. Not only does it have a bendy top that maintains contact with my teeth, but it has three types of bristles — on top of which, there is also a special kind that combines the technology of three other bristles in one. That's four kinds of bristles for the price of three! I'm telling you, science is amazing.

Best of all, it does all of this without vibrating. I guess I'm just not into that whole vibrating-toothbrush thing — I mean, not only is it kinky, but you have to change the batteries. I don't like changing batteries, not to mention having electricity that close to toothpaste foam makes me nervous. I know they have cheap vibrators now-a-days, ones where you don't even have to change the batteries, but ... it's just not me.

Unfortunately, my new toothbrush is purple. I don't like purple. I have friends who like purple, but I don't. My previous toothbrush was blue, and I was perfectly happy with it. Green, red, black... these are all perfectly wonderful colors

for a toothbrush in my possession, but the harsh, neon truth of the matter is that purple just doesn't cut it.

The problem lies in the fact that I entrusted the new toothbrush-decision in my mother. Usually this isn't a bad thing... over time she's come to get a decent grasp of what it is that I like and don't like. It would appear, however, that on this occasion the process failed miserably.

When I went home for spring break, she asked me if there was anything I needed back at college. After a great deal of thought, I determined that the one item I would soon be in need of was a toothbrush. My sister, on the other hand, requested seven boxes of cereal, a bag of lemon chicken, one loaf of pumpkin bread, a dining set, and a partridge in a pear tree. Naturally, my mom just threw my new toothbrush into massive-bag-holding-stuff-for-my-sister-but-older-brother-me-will-have-to-carry.

I didn't think to ask for visual confirmation as to the satisfactory nature of the brush, and I guess that is where the system broke down.

I wasn't expecting a bad brush. I mean, who gives their 21 year old son a purple toothbrush? Maybe if I liked Barney, it

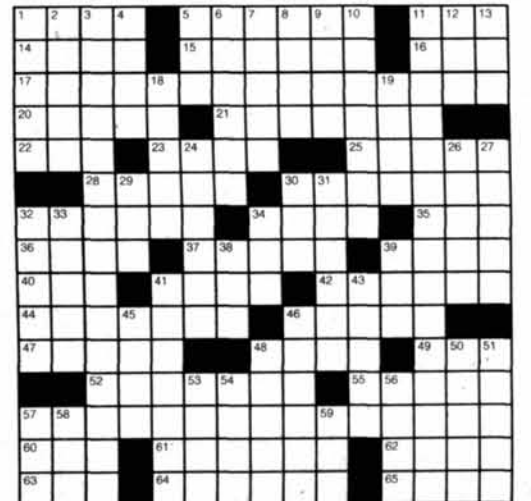
would make sense. I mean, Barney's purple — it would be a valid connection. Or maybe if I liked the purple tele-tubby... the one Reverend Jerry Falwell thinks is gay. But I don't like Barney or Tinky Winky (nothing personal, I just don't like the teletubbies). I like penguins! Penguins aren't purple! At least I don't think so. If there are purple penguins, then I'll have rethink some things, but as far as I know, my favorite flightless waterfowl has enough fashion sense to stay away from the purple tuxedos.

I even pushed off using the purple toothbrush for as long as possible. I stuck with ol' blue to the point where the bristles really were on the verge of dropping off. It was then that I had to swallow my pride and leave the purple brush in my bathroom cubby.

Now whenever someone comes in when I'm brushing my teeth, I have to do my best to conceal the color identity of my cavity cleaner (not that I have cavities ... I swear. I floss daily! Well, almost daily. You know how sometimes you're just so tired that you go "screw it, I'll skip today?" Well, on those days I don't floss, but otherwise I'm all about fighting plaque.)

Crossword Puzzle
Solution, page 19

- ACROSS**
- 1 Sunup
 - 5 Puff of air
 - 11 To and
 - 14 Sonic boomerang
 - 15 Actress Bacall
 - 16 First gear
 - 17 Three stones
 - 20 Prudential competitor
 - 21 Soliloquy
 - 22 HST predecessor
 - 23 Mineral springs
 - 25 Andes residents
 - 28 Attempt a pickup
 - 30 "Iris" painter
 - 32 Clapton's instrument
 - 34 Simple
 - 35 Short life story
 - 36 Bronte or Perry
 - 37 Competitive personality
 - 39 Competent
 - 40 Winter coat?
 - 41 Catch some rays?
 - 42 Having a pitched roof
 - 44 Sensed by touch
 - 46 Fellini's "La ___ Vita"
 - 47 Go bad
 - 48 Late night Jay
 - 49 Barbara ___ Geddes
 - 52 Take back
 - 55 Gullible
 - 57 Three stones
 - 60 Make do
 - 61 Anxiety
 - 62 Kelt of the comics
 - 63 Simple card game
 - 64 Failed to hit
 - 65 Holier-___-thou
 - DOWN**
 - 1 Low-boost coffee?
 - 2 Suffered soreness
 - 3 Three stones
 - 4 Nordic goddess
 - 5 Journalist Nellie
 - 6 Scrap collector
 - 7 Pound replacements
 - 8 "___ Brockovich"
 - 9 Greek philosopher
 - 10 Gridiron extremity
 - 11 Three stones
 - 12 French king
 - 13 Hooter
 - 18 Dreadlocks wearer
 - 19 Kong preceder
 - 24 "The Merchant of Venice" lady
 - 26 Nimble
 - 27 Furnished with footwear
 - 29 Social follower?
 - 30 Victory sign
 - 31 Catherine of ___
 - 32 Ways of walking
 - 33 Flip a lid off
 - 34 Speed stat
 - 38 Fashion monogram
 - 39 Initial letters
 - 41 Lever support
 - 43 Beside
 - 45 Knotted
 - 46 Termination of existence
 - 48 Kedrova and McCann
 - 50 Lupone role
 - 51 Geneva's lake
 - 53 Anderson of "WGRP..."
 - 54 Pint drinks
 - 56 Aid in wrong-doing
 - 57 Stitch together
 - 58 Alias acronym
 - 59 Actor Beatty



Events Calendar

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

Friday, May 2

8:30 a.m. - 5:00 p.m. - Global and Homeland Security: Science, Technology and the Role of the University. This symposium will address homeland security science and technology, with an emphasis on the role of the university. Free, but pre-registration required by April 24, 2003. Room: Wong Auditorium. Sponsor: Engineering Systems Division, Technology and Policy Program.

9:00 a.m. - 5:00 p.m. - Spring Craft Fair. Tech Community Crafters' Sale. free. Room: Lobby 10. Sponsor: MIT Women's League.

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.

10:00 a.m. - 11:00 p.m. - Earthday Celebration at MIT. Celebrate Earth Day with us! Check out the free bike repair, plants and mulch give-aways, info's what going on environmentally on campus and a free concert in the night!! free. Room: Kresge Oval. Sponsor: SAVE, Students for Global Sustainability, EPTF, WGR, SIDNEY AND PACIFIC RESIDENCE HALL, MIT LARGE EVENTS FUNDING.

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 Information 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.

11:00 a.m. - 12:00 p.m. - ACCL Seminar. "High-Fidelity Aero-Structural Design of Complete Aircraft Configurations." free. Room: 37-212. Sponsor: AeroAstro.

12:00 p.m. - 6:00 p.m. - Earth Day at MIT. A CELEBRATION FOR EARTH DAY INCLUDING INFORMATION BOOTHS FOOD AND PRIZES PLANT HANDOUTS BIKE REPAIR WORKSHOP BOOK DONATION AND EXCHANGE AFTERNOON CONCERT BY DRESDEN DOLLS AND MUCH MORE. free. Room: Kresge. Sponsor: SAVE, Environmental Programs Task Force, The Environment at MIT Web Site, WGR, Large Events Funding Office, Sidney and Pacific Residence Hall.

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.

12:30 p.m. - 7:00 p.m. - Media in Transition 3: television. What is the role of television in specific societies or regions today? How is this role changing? What part are digital technologies and new systems of communication playing in this transition? What are the likely outcomes of present trends? What are the darkest possibilities? What does the history of television in diverse countries and regions tell us about its possible futures? The third Media in Transition conference centers on television's political and cultural role at the dawn of our new millennium. free. Room: Bartos Theater. Sponsor: Communications Forum, Comparative Media Studies.

1:00 p.m. - 3:00 p.m. - Women's Studies Intellectual Forum. Talk by Associate Professor Thomas DeFrantz, MIT Music and Theater Arts Section (<http://web.mit.edu/mta/www/theater/program/bios/tdefrantz.html>). free. Room: 617/253-8844. Sponsor: Women's Studies Program.

1:00 p.m. - 2:00 p.m. - EPTF Meeting. Environmental Programs Task Force or EPTF meets every month to discuss current and plan future environmental initiatives on campus. Topics of discussion range from recycling, organizing events, raising environmental awareness and others. Please attend and bring your ideas! free. Room: 12-196. Sponsor: Environmental Programs Task Force, The Environment at MIT Web Site.

1:00 p.m. - 6:00 p.m. - Pappalardo Fellowships in Physics Symposium. The second annual symposium featuring the MIT Pappalardo Fellows in Physics presenting current research highlights, designed for a community audience. free. Room: Room E51-345, Bowen Hall, Tang Center. Sponsor: Physics Department.

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.

2:00 p.m. - 3:30 p.m. - MIT3: The Future of Television. In the first plenary conversation of the MIT3: television conference, the panelists will explore such questions as What are the likely outcomes of present trends? What are the darkest possibilities? What does the history of television in diverse countries and regions tell us about its possible futures? Includes Q&A with the audience. free. Room: Bartos Theater. Sponsor: Communications Forum, Comparative Media Studies.

2:00 p.m. - 3:00 p.m. - 3pm Michael and Russel - Zeeman. 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. - Warren K. Lewis Lecture in Chemical Engineering. Engineering Engineers Tomorrow. free. Room: 66-110. Sponsor: Chemical Engineering.

4:00 p.m. - 5:00 p.m. - PSFC Seminar. Turbulent heating in collisionless astrophysical plasmas. free. Room: NW17-218. Sponsor: Plasma Science and Fusion Center.

4:00 p.m. - 5:00 p.m. - 4pm Onsi and Akash - Moessbauer. free. Room: 4-357. Sponsor: Physics Junior Lab Orals.

4:00 p.m. - 5:00 p.m. - MechSeminar: Concrete Has a Microstructure, but Why Bother?
Abstract: Microstructure is often described as the key to materials science because it provides a link between the processing of a material and its final properties. While well established for metals and ceramics, finding reliable microstructural parameters for cement-based materials has been more difficult, because of the large number of phases, the wide range of length scales, and the complex water-filled pore system. The calcium silicate hydrate (C-S-H) phase in cement based materials has been referred to as the "heart" of concrete and is primarily responsible for controlling creep and shrinkage, two major properties important to durability. The structure of C-S-H at both the nanometer and micrometer scales is altered by many processing and environmental variables, which in turn influence its functional bulk properties. free. Room: 1-350. Sponsor: Engineering & Environmental Mechanics Group.

4:10 p.m. - 5:00 p.m. - The Wogan Lecture, Part II. "Monitoring Translesion Synthesis in

vivo: Kinetics of Lesion Bypass and Fork Structure." free. Room: 56-614. Sponsor: Biological Engineering Division.

5:00 p.m. - AMP (Advanced Music Performance) Student Recital. Jonathan Lee (G), piano. Stravinsky's Firebird Suite, Chopin's Preludes, op.28. free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

6:00 p.m. - 7:30 p.m. - Concert: The Dresden Dolls. free. Room: Kresge Oval. Sponsor: SAVE, Students for Global Sustainability, Environmental Programs Task Force, MIT large event funding.

7:00 p.m. - 11:59 p.m. - MIT Anime Club: Kiki's delivery service, a masterpiece world animation; officer elections; plus apprentice ninjas and mysterious things on Masami's head. Tonight, at 7:30, we'll be showing a masterpiece of animated storytelling: Hayao Miyazaki's classic "Kiki's delivery service", the story of an apprentice witch who leaves home and learns to make her own way in the world (by establishing a flying local delivery service). This film is one of the finest films ever made for children (though we will be showing it sub-titled). free. Room: 6-120. Sponsor: Anime Club, MIT.

7:00 p.m. - North by Northwest. One of Alfred Hitchcock's cleverest and fastest-paced films, North by Northwest features many great snippets that have embedded themselves in movie history. Biplane attacks on Cary Grant, midnight train rides on the Twentieth Century Limited, escaping from foreign agents by climbing down the side of Mount Rushmore — who but Hitchcock can put all these into one film? Cary Grant plays Roger Thornhill, a suave Madison Avenue adman who is mistaken for the spy George Kaplan. Framed for a murder at the United Nations, he is forced to go on the run. Discovering a plot to smuggle classified microfilm out of the country, he collaborates with government agents while brushing off the beautiful Eva Marie Saint. Filmed in large-format VistaVision. \$3. Room: 26-100. Sponsor: LSC.

7:00 p.m. - 9:00 p.m. - Dessert Party. Come and enjoy delicious cakes, ice cream and other sweets while catching up with fellow Europeans and friends of the European Club. free. Room: Edgerton. Sponsor: European Club, MIT.

7:00 p.m. - "The Official Story" (1986). A teacher lives in blissful ignorance of the evils perpetrated by her country's government. But when her students reject "the official story," she is led to her own questions. free. Room: MIT 4-231. Sponsor: MIT Western Hemisphere Project.

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. - Clue: The Musical. Based on the popular board game, CLUE: THE MUSICAL brings the world's best-known mystery suspects to life on the stage, and invites the audience to play along to solve a mystery. \$10, \$8 MIT community/other students/seniors, \$6 MIT/Wellesley students. Room: Kresge Little Theater. Sponsor: Musical Theatre Guild, MIT.

8:00 p.m. - Rambax MIT. Senegalese drumming ensemble featuring Artist-in-Residence, Lamine Toure. free. Room: Sala de Puerto Rico. Sponsor: Music and Theater Arts Section.

8:00 p.m. - MIT Concert Choir with the Brown University Chorus. Rachmaninoff's "Vespers" & Lukas Foss' "Psalms." (Program will be repeated on May 3, 8pm, Brown University). \$3 at the door. Room: Kresge Auditorium. Sponsor: Music and Theater Arts Section.

8:00 p.m. - 11:30 p.m. - Sangam Movies. Screening of popular movies. free. Sponsor: Graduate Student Council, Sangam.

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.

10:30 p.m. - North by Northwest. \$3. Room: 26-100. Sponsor: LSC.

Saturday, May 3

6:30 a.m. - New York City (MITAC-sponsored) Day Trip. Creative, kinetic, cultural, mystical New York City. Embrace her with a spring day trip to the Big Apple. Window shop along 5th Avenue; dine & feast on fine culinary creations; and be awed by all the springtime finery of proud, grande, intrinsically spectacular NYC. Buses leaves Hayward Lot and Linc. Lab, Lexington at 6:30am (please specify departure location); leaves NYC at 7pm; and returns approximately 11:00pm. Purchase by April 18th. \$38/per person. Sponsor: MITAC.

8:00 a.m. - 6:45 p.m. - Media in Transition 3: television. What is the role of television in specific societies or regions today? How is this role changing? What part are digital technologies and new systems of communication playing in this transition? What are the likely outcomes of present trends? What are the darkest possibilities? What does the history of television in diverse countries and regions tell us about its possible futures? The third Media in Transition conference centers on television's political and cultural role at the dawn of our new millennium. free. Room: Bartos Theater. Sponsor: Communications Forum, Comparative Media Studies.

12:00 p.m. - 11:00 p.m. - Kayak Rollin' Clinic. Improve your kayaking confidence by learning the fundamentals of rolling. Class is designed for novices to intermediate levels and will include on land instruction and in water practice at the Zesiger Pool. \$20 members, \$30 non-members. Room: Zesiger Pool W35. Sponsor: Zesiger Sports and Fitness Center.

10:00 a.m. - 6:00 p.m. - Connections Workshop w/ Clay Ward. Work with members of FASAP and the Arts Scholars Program to build a collaborative sculpture. Prior sign-up required. Must be a current MIT student. free. Room: Kresge Oval. Sponsor: Office of the Arts Special Programs.

11:00 a.m. - 12:30 p.m. - MIT3: Reality Television. In the second plenary conversation of the MIT3: television conference, the panelists will discuss reality television. Includes Q&A with audience. free. Room: Bartos Theater. Sponsor: Communications Forum, Comparative Media Studies.

12:00 p.m. - Emerson String Recital. free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

1:00 p.m. - Men's Tennis vs. Williams College. free. Room: Katz Tennis Courts. Sponsor: Department of Athletics, Physical Education and Recreation.

1:30 p.m. - 3:00 p.m. - MIT3: Video Art. Russell Connor is an artist/writer who has been engaged since 1963 in the writing and production of television programs about the arts. In 1970, he curated the world's first museum exhibition of video art, called Vision and Television, at Brandeis University. He has written and hosted a number of television shows about art including the WGBH series Museum Open House from the Museum of Fine Arts, Boston; a series for HBO called The Artist's Eye; and a series for WNET in New York, entitled VTR: Video and Television Review. His monograph, Pierre Soulages: Light in the Dark, will be published by Alvik Editions in Paris in 2003. free. Room: Bartos Theater. Sponsor: Office of the Arts, Communications Forum, Comparative Media Studies.

2:00 p.m. - 10:00 p.m. - TMRC Open House. The Tech Model Railroad Club opens its door to all visitors, including the entire MIT community and others — children 1-110 are welcome! Once a term the club works to ensure that trains will be running, tests all of our equipment, and stops construction, so that we can show you the progress. Come see the trains, hand-laid track, and custom electronic control system that we've built. free. Room: N52-118. Sponsor: Tech Model Railroad Club (TMRC).

3:30 p.m. - 5:00 p.m. - MIT3: News During Wartime. In the third plenary conversation of the MIT3: television conference, panelists will discuss television reportage in times of war. Includes Q&A with the audience. free. Room: Bartos Theater. Sponsor: Communications Forum, Comparative Media Studies.

4:30 p.m. - 1:00 a.m. - TMRC Build Time. These are our normal meetings, where we build the layout. free. Room: N52-118. Sponsor: Tech Model Railroad Club (TMRC).

5:15 p.m. - 6:45 p.m. - MIT3: Into the Buzzsaw: Leading Journalists Expose the Myth of a Free Press Authors' Panel. This panel of three reporters, all contributors to "Into the Buzzsaw: Leading Journalists Expose the Myth of a Free Press," will discuss censorship in and of the American press. With Kristina Borjesson, Monika Jensen-Stevenson, Michael Levine and Maurice Murad. free. Room: Bartos Theater. Sponsor: Communications Forum, Comparative Media Studies.

6:00 p.m. - MIT Dance Theater Ensemble Performance. Two works with improvised musical scores. "Object Lessons" with an original improvised score by MIT Music Instructor Jean Rife, and "Bathroom Sweet" with a turntable score created by Nathaniel Costello and Daniel Lee of the newly-formed MIT Turntable Project. Associate Professor Thomas DeFrantz, director of the Ensemble, will also dance a short selection from his "Monk's Mood" (1999). free. Room: Killian Hall. Sponsor: Dance Theater Ensemble.

7:00 p.m. - MIT Gospel Choir Spring Concert. Guest Groups: Anointed, CCFC Praise and Worship, and others. free. Room: Lobdell Dining Hall. Sponsor: Gospel Choir, MIT.

7:00 p.m. - The Hours. \$3.00. Room: 26-100. Sponsor: LSC.

7:30 p.m. - 11:00 p.m. - 2 Free Chinese Movies. Movie 1: Yi Ge Dou Bu Neng Shao (Not One Less) http://eladies.sina.com.cn/yige/yige_jianjie.html 2: Mei Xia (Black Mask) <http://mov8.com/movie/show.asp?title=Black+Mask> For more coming movie shows, please visit MIT CSSA at <http://web.mit.edu/cssa/www/>. free. Room: 54-100. Sponsor: Chinese Student and Scholar Association.

8:00 p.m. - Clue: The Musical. Based on the popular board game, CLUE: THE MUSICAL brings the world's best-known mystery suspects to life on the stage, and invites the audience to play along to solve a mystery. \$10, \$8 MIT community/other students/seniors, \$6 MIT/Wellesley students. Room: Kresge Little Theater. Sponsor: Musical Theatre Guild, MIT.

8:00 p.m. - Festival Jazz Ensemble 40th Anniversary Concert. This special anniversary concert directed by jazz legend and FJE founder Herb Pomeroy, will feature music from throughout the history of the FJE and a special performance by a jazz band of alumni spanning four decades. Herb Pomeroy, founding director of the Festival Jazz Ensemble. With Louis Armstrong as inspiration, Herb Pomeroy chose the trumpet as his instrument. By age 25, he had performed with Charlie Parker, toured with Stan Kenton and Lionel Hampton and recorded with Serge Chaloff. \$3 at the door. Room: Kresge Auditorium. Sponsor: Music and Theater Arts Section.

8:00 p.m. - 11:30 p.m. - Sangam Movie Special. Movie Screenings. Emails are typically sent out if you subscribe to sangam-request@mit.edu. free. Room: 2-105. Sponsor: Graduate Student Council, Sangam.

8:00 p.m. - 11:00 p.m. - Patrol. Travel to strange new classrooms. Meet interesting,

unusual people, and kill them! Patrol is a high-action game of live combat with rubber-dart guns. Shoot your friends, then watch out as they try to take their revenge. free. Room: 36-115. Sponsor: Assassins' Guild, MIT.

9:00 p.m. - 1:00 a.m. - La Fete: A Spring Formal. Join us on Saturday, May 3 and celebrate the spring with an elegant and exciting formal right here on the MIT campus in the beautiful transformed courtyard of Edgerton House! It'll be a wonderful chance to celebrate the community that we share, to see our surroundings in a different light, to dress up, and to have one really fun night out under the stars. Our courtyard and lounge will be transformed into a fairland of lights and blossoms. \$10/\$15/\$2 and \$10 at the door. Room: Edgerton Graduate Residence. Sponsor: Graduate Student Council, Edgerton House Residents' Association.

10:00 p.m. - The Hours. \$3.00. Room: 26-100. Sponsor: LSC.

11:00 p.m. - Women's Lacrosse Alumnae Game. free. Room: Jack Barry Turf. Sponsor: Department of Athletics, Physical Education and Recreation.

Women's Crew vs. Radcliffe, BU, & Northeastern (open). free. Room: Charles River. Sponsor: Department of Athletics, Physical Education and Recreation.

Sunday, May 4

9:00 a.m. - 1:30 p.m. - Media in Transition 3: television. What is the role of television in specific societies or regions today? How is this role changing? What part are digital technologies and new systems of communication playing in this transition? What are the likely outcomes of present trends? What are the darkest possibilities? What does the history of television in diverse countries and regions tell us about its possible futures? The third Media in Transition conference centers on television's political and cultural role at the dawn of our new millennium. free. Room: Bartos Theater. Sponsor: Communications Forum, Comparative Media Studies.

10:00 a.m. - 3:00 p.m. - Triathlon Clinic. Start your triathlon season right this year with the Z Center Triathlon Clinic. Instructors will help you improve your triathlon training/racing plan. \$40 members, \$50 non-members. Room: Zesiger Pool W35. Sponsor: Zesiger Sports and Fitness Center.

1:00 p.m. - MIT Dance Theater Ensemble Performance. Two works with improvised musical scores. "Object Lessons" with an original improvised score by MIT Music Instructor Jean Rife, and "Bathroom Sweet" with a turntable score created by Nathaniel Costello and Daniel Lee of the newly-formed MIT Turntable Project. Associate Professor Thomas DeFrantz, director of the Ensemble, will also dance a short selection from his "Monk's Mood" (1999). free. Room: Killian Hall. Sponsor: Dance Theater Ensemble.

1:00 p.m. - 4:00 p.m. - Emerson Student Piano Recitals. free. Room: Kresge Auditorium. Sponsor: Music and Theater Arts Section.

2:30 p.m. - Emerson Student Winds and Brass Recital. free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

3:00 p.m. - BSU General Body Meeting. Ballot Elections for Fall 2003 leadership positions. free. Room: 50-105 Walker Memorial—BSL. Sponsor: Black Students' Union.

3:00 p.m. - MIT Women's Choral. Nancy Kushian Wanger, director; Naoko Hirumura, accompanist. Works by Fauré, Dvorak, Handel, Schubert, Schuman, Lem, Woodgate and Woodworth. Children accompanied by adults are welcome. Refreshments follow. 3pm. free. Room: Sidney-Pacific Graduate Dormitory (70 Pacific St). Sponsor: MIT Women's Choral.

7:00 p.m. - North by Northwest. \$3. Room: 26-100. Sponsor: LSC.

7:00 p.m. - 9:00 p.m. - The Axis of Humor — Comedy Night. The MIT Arab Student Organization presents "The Axis of Humor" — a stand-up comedy evening featuring Dean Obeidallah, Nasry Malak, and Maysoun Zayid. An evening of laugh-out-loud fun with New York's finest Arab-American comedians! \$8 in advance, \$10 at the door (students); \$12 in advance, \$15 at the door (non-students). Room: 54-100. Sponsor: Arab Student Organization.

8:00 p.m. - MIT Concert Band: John Corley Memorial Concert. John Corley, who passed away in October of 2000, conducted the MIT Concert Band for 50 years, since its first public performance on Sunday, May 8, 1949 at the Hatch Memorial Shell on Boston's Esplanade. Mr. Corley continued to direct the band until the fall of 1999. Throughout the years of Mr. Corley's tenure, the MIT Concert Band became known for its performance and commissioning of original compositions for winds. Concert includes premiere of Remembrance of JDC which was written in honor of Mr. Corley by Mr. Corley's close friend, John Bovicchi. The program for the concert will also include: Bovicchi's Corley's March, Vincent Persichetti's Symphony for Band, Gustav Holst's First Suite in E flat, Ralph Vaughan Williams' Folk Song Suite, and John Barnes Chance's Incantation and Dance. free. Room: Kresge Auditorium. Sponsor: Concert Band.

10:30 p.m. - The Hours. 3.00. Room: 26-100. Sponsor: LSC.

Monday, May 5

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.

10:00 a.m. - 5:00 p.m. - Spring/Mother's Day Glass Sale. The MIT Glass Lab creations on sale. free. Room: Lobby 10. Sponsor: MIT Glass Lab.

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

12:00 p.m. - 1:15 p.m. - Special Seminar. The Dilute, Cold Bose Gas. free. Room: Kolker Room 26-414. Sponsor: Laboratory for Nuclear Science.

2:00 p.m. - 3:15 p.m. - Center for Theoretical Physics - Particle Theory (Research Seminar). "Recent Progress in Precision Perturbative Calculations." 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.

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

3:00 p.m. - 4:30 p.m. - "The heat equation on manifolds with non-negative curvature outside a compact set." Abstract: In many ways, manifolds with non-negative curvature are rather "homogeneous" and made of "one piece." By allowing some negative curvature on a compact, one destroys these features and obtains manifolds with a finite number of ends, possibly quite different from each other. Among these manifolds, which are those that satisfy a scale invariant elliptic or parabolic Harnack inequality? What can one say about the heat kernel? (Joint work with Alexander Grigoryan). free. Room: 2-143. Sponsor: Differential Geometry Seminar. Department of Mathematics.

3:00 p.m. - 7:00 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.

4:00 p.m. - 6:00 p.m. - Deshpande Center Workshop. (tentative date) Bringing together analysts, industry, and the MIT research community to spark market-driven innovation. free. Room: TBD. Sponsor: Deshpande Center for Technological Innovation.

4:00 p.m. - 5:30 p.m. - LGBT Student Support Group. A discussion and support group on topics relevant to LGBT students. Discussion varies depending on interest of participants. Professional facilitation provided. This SAFE and CONFIDENTIAL group is open to LGBT students at MIT. free. Room: 5-104. Sponsor: lbg@MIT, Counseling and Support Services, Mental Health Service of MIT Medical.

4:00 p.m. - 6:00 p.m. - Boundary Crossings: Black History and the Histories of Science, Medicine and Technology. Program in Science, Technology, and Society Colloquium. free. Room: E51-095. Sponsor: STS.

4:15 p.m. - 5:15 p.m. - Nuclear and Particle Physics Colloquium. "Electroweak Data and the Higgs Boson Mass: Signs of New Physics" Abstract: Because of two 3s anomalies, the Standard Model (SM) fit of the precision electroweak data has a poor confidence level, CL = 0.02. Since both anomalies involve challenging systematic issues, it might appear that the SM could still be valid if the anomalies resulted from underestimated systematic error. Indeed the CL of the global fit could then increase to 0.71, but that fit predicts a small Higgs boson mass, mH = 45 GeV, that is only consistent at CL = 0.05 with the lower limit, mH > 114 GeV, established by direct searches. The data then favor new physics whether the anomalous measurements are excluded from the fit or not, and the Higgs boson mass cannot be predicted until the new physics is understood. Some measure of statistical fluctuation would be needed to maintain the validity of the SM. New physics is favored, but the SM is not definitively excluded. free. Room: Kolker Room, 26-414. Sponsor: Laboratory for Nuclear Science.

5:30 p.m. - 7:30 p.m. - Achievement and Disaster: Ernst Herzfeld's Excavation at Samarra 1911-1913. free. Room: 3-133. Sponsor: Aga Khan Program for Islamic Architecture.

6:00 p.m. - 9:00 p.m. - Annual John R. Freeman Lecture: The Arsenic Crisis in Bangladesh. Abstract: In an effort to combat waterborne disease, Bangladesh switched its drinking water supply from surface water to groundwater. Tragically, this water contains high concentrations of arsenic causing widespread arsenicosis and posing the threat of increased cancer rates. We find that by replacing 31% of the wells in the country with deeper wells, the health effects of drinking groundwater arsenic could be reduced by approximately 70%. However, this remedy could fail if deeper wells become contaminated in the future. free. Room: Tang Center, E51. Sponsor: Parsons Laboratory, The Hydraulics and Water Resources Group, Boston Society of Civil Engineers Section, ASCE.

8:00 p.m. - 9:30 p.m. - UA Council Meeting. Meeting of the Undergraduate Association Council. Find out what's happening on campus! free. Room: w20-400. Sponsor: Undergraduate Association.

9:00 p.m. - 1:00 a.m. - Trivia Night at the Thirsty Ear. Every Monday is Trivia Night. Bring a team and compete for great prizes like DVDs, CDs, sports tickets, movie passes, and MORE!! The Thirsty Ear Pub is located in the basement of Ashdown House. Enter through the courtyard. Free. Room: The Thirsty Ear Pub. Sponsor: Graduate Student Council, The Thirsty Ear Pub.

ChessMate

Composed by Elina Groberman

Difficulty Level 2
White to Move and Checkmate in Two



Comments? Email chessmate@the-tech.mit.edu
Solutions on page 19

ARTS

A CAPELLA REVIEW

A Little Bit of Alcohol Could Go a Long Way

Logarithms' Spring Weekend Concert Exciting Despite Comatose Audience

By Jennifer DeBoer

SPORTS EDITOR

MIT Logarithms with Six Appeal and Hyannis Sound
La Sala de Puerto Rico
April 24, 7:30 p.m.

I'd take a drunk and rowdy crowd over a flaccid bunch any day. This was on my mind at last Thursday's Logs concert, where the proper audience refrained from spontaneous applause or even a little enjoyment. With this attitude, the concert was on the surface a flop, although I thought otherwise.

In an unprecedented move, the Logarithms took the stage first and launched into *The Breakfast Club* theme song, "Don't You Forget About Me," with John Wu '06 as the soloist. Mark Sellmeyer '04 followed up with another Logs staple, Weezer's "Island in the Sun," replete with raunchy moves and customary Logs humor. Collins Ward '03 slowed down the tempo, pleading with his voice and his red bowtie to "Light in Your Eyes," my personal favorite. The audience responded with a round of applause that was tepid at best. Even the energetic rendition of Offspring's "All the Kids Aren't Right" by Tyler Johnson '05 wasn't given the ecstatic reaction which he warranted, given his improved intonation from his performance at this winter's concert.

I was looking for some newer material

since I've heard the standard repertoire quite a few times already. Though there were no new pieces to speak of, each and every song was, surprisingly, the best version I have heard yet from the group. The audience was either sick of hearing these old favorites or didn't notice that the songs carried a larger dose of enthusiasm than usual.

Maybe it was the acoustics that made this such a stellar performance for me; La Sala's small quarters forced all of the seats in the house to be close enough to be spit on by any strong enunciators. Maybe there were a few too many old people and a few too many quiet people. They must have had something very important on their minds because they forgot to heckle and catcall, forgot to scream girlishly during the lovesongs, and forgot that they were at a college concert.

After just one more song, Jon Varsanik '04 in "Learn to Fly," the Logs left the audience more than a little expectant and, needless to say, rather quiet. They were just as confused when six twenty-somethings took the stage next and, with no introduction, launched into their part of the concert. Six Appeal immediately surprised me with the four tight female harmonies, a bouncing bassline, and a superb beatbox. While still wondering "Who are they?" I found myself clapping along with the rest of the timid audience after an amazing beatbox solo. Maybe the audience was warmed up.

Six Appeal, connected to MIT through one

of its members who works in the International Studies Office, pulled out a considerable amount of vigor from the reluctant audience. Their touches were professional, their songs had an interesting variety — from James Taylor's dissonant "Traffic Jam" to Madonna's "Keep On Dancing" to "Down in the River" from *O Brother Where Art Thou* — and they didn't seem to care when the audience ignored their requests for a corresponding return on the effort they were putting forth.

Through another member of Six Appeal, MIT was introduced to Hyannis Sound, a rotating group of fourteen college guys that gather to sing on the cape each summer. They acted and sounded like the all-boys chorus back in high school. Yes, they were slapping each other's asses and bantering playfully in between numbers. Somehow, though, through some invisible signal, they would all of a sudden come together and fire up with another song.

Despite their comparable numbers, they didn't seem to fill the less than ample space of La Sala quite as well as the Logs, and their harmonies, while lucid, seemed flat and undeveloped at points. They lacked the depth and breadth I expected from a chorus that looked — though didn't act — as mature as they did. I was pleased with their frequent duets, instead of the conventional soloist/background format that many of the other numbers took that evening. They could scat, as shown in "I Can't Go for That," and they knew how to

have a good time (Ask the girl in the front row about "Bring it on Home.")

The highlight of the evening for me, and thankfully for the rest of the audience, was their version of Blues Traveler's "Hook." An unimposing young gentleman took me completely aback with his artful vocal gymnastics on the revamped Baroque classic. The runaway tempo was managed just as well when he was joined for the final, most verbose verse by an accompanying voice (and a smug girly voice from the back that peeped, "It's Pachelbel.")

My only complaint was the monotony of the group's presentation. Every song was a joke, despite what their appropriately eloquent voices tried to musically express. During the poignant "On and On," there were comedic little seagull caw's in the background. Only the mood was disturbed, and the group kept up the variety and interest of its selections. Nevertheless, it lacked the break from knee-slappers that "Light in Your Eyes" and "Down in the River," with their purely emotive performances, offered to the undeserving audience.

The music was all that it should have been. The energy from the groups filled the room, attempting to make up for the lack of it in the audience. I even laughed a few times — with very few other people. But, like most of the concertgoers Thursday night, I took away a lot more than I put into the performance.

DANCE REVIEW

Sexy on Stage

Alvin Ailey Paints Jazz

By Allison Lewis

ARTS EDITOR

Alvin Ailey: American Dance Theater
Wang Theater
April 27, 3 p.m.

I had such a good time with Alvin Ailey. I'm an impatient person, so usually the shorter the show, the better. But the combination of jazzy, rollicking music and strong, impressive, colorful dancers made me wish the show would go on forever. People to my left and right were clapping and tapping their feet so much that my seat was shaking, quite a feat for a dance show.

The program began with "Winter in Lisbon," an energetic, fun dance showcasing popular moves and songs. The bright, spring-colored costumes turned the dancers into eye candy. The women wore all orange, pinks and purples — even brightly colored hose and shoes, and the men wore Hawaiian shirts and bright blue suspenders. Dancing together as if they were at a party in the 1940s, they picked each other up, swung each other around, and hopped over one another. Between the high energy sections, there was a slower, romantic section, titled "Lisbon," in which two very beautiful, strong dancers, male and female, practically made love to each other on stage, flirting and teasing over a hat. The audience responded with enormous applause and shouts.

The second dance, "Serving Nia," was less energetic and way too long. It was the only part of the show that bordered on boring. The choreography was simple and primitive: a bunch of men dancing

to the gods. I think that the point was to represent traditional African music and dance. The men wore ugly brown skirts that looked like sacks and danced stiffly — well, masculinely. I couldn't help but wonder if women would make it more fluid, less goofy-looking. During this performance I noticed that not every Alvin Ailey dancer is created equal: most are decent but some are outstanding. They performed with humor and enthusiasm, as if they



An Alvin Ailey dancer carries an elegant white umbrella in "Revelations." PAUL KOLNIK

knew they looked silly, and they jerked their bodies this way and that to exaggerate this awkwardness. It ended much better than it began, with the better dancers showcasing amazing amounts of strength, flexibility and talent.

The third dance, "Revelations," ended the night with a bang. Dancers moved to traditional folk songs and wore slave costumes. This is a well-known Alvin Ailey dance, and the best I'd ever seen it performed. The opening, to "I Been 'Buked," might have been paintings or photographs. The dancers, close together, moved in and out of different images, always returning to an image like a bird.

Then, in my favorite part of the night, the dancers acted out their parts to the powerful spiritual, "Wade in the Water." Strung across the stage were two long sheets of thin, blue cloth, which dancers at either end moved up and down like rippling water. Through this water three ladies dressed in lacy ruffled dresses danced, three bare-chested men in tight white pants jumped and spun. Most amazing was that one woman held an elegant white ruffled umbrella high in the air the entire time. White clothes and blue rippling water mixed well with the white umbrella dancing high in the air. Again, the scene reminded me of a painting.

The rest of "Revelations" featured the men dancing solo, showing off leaps and turns and impressive stunts that won lots of applause, while the women, wearing straw hats, sassily sat in straw chairs. They all came together in a choreographed, on-stage party, then bowed and bowed to much-deserved applause.

Throughout the performance, I marveled at the amazing skill of the dancers: the sexiness of the women in their slinky dresses, the strength and character of the men in their straw hats and slick shoes, the music behind it all — jazz. Dizzy Gillespie, Branford Marsalis, traditional folk songs: the dancers gave form to the music and made it visual. Through the sights and sounds of dance, the audience absorbed the music and the emotions surrounding it — pride, love and struggle — and at the end of the night, took Alvin Ailey home.

BOOK REVIEW

A Good Read for Gamers

'Lucky Wander Boy,' A Guy's Video Game Obsession

By Andrew C. Thomas

OPINION EDITOR

Lucky Wander Boy
by D.B. Weiss
Penguin Plume Press

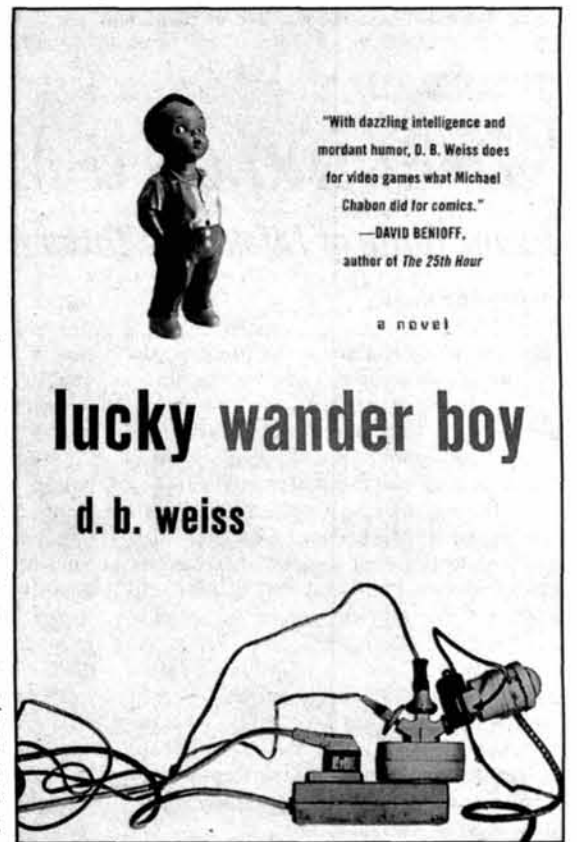
D.B. Weiss knew exactly what he was doing when he sent a copy of his new (and first) novel to *The Tech* for review. The story of a man whose life is consumed by video games, with deep focus on the classics of the Generation X era on Atari and Intellivision, Weiss's novel strikes a chord with video game and literature lovers alike.

As a man who once owned a Ms. Pac Man arcade table, I feel a resonance with protagonist Adam Pennyman, whose appreciation for video games has so completely taken over his life that it is as if he sees the world on those terms.

His main life project is *The Catalogue of Obsolete Entertainments*, a guide to video games of old as if they were being examined by a philosopher in an art gallery. His portrayal of Donkey Kong draws upon religious thought, casting plumber Mario as a hero sent by God — which, depending on your point of view, might actually hold true for Shigeru Miyamoto, Nintendo's chief designer, in some perception of the events that led to Nintendo's dominance in the video game industry.

Weiss has clearly done his homework — or possibly put it off in favor of hooking up an old Atari or arcade emulator, spending several quality years in deep study, and several years after that contemplating the meaning of his experience. The work is accessible; he succeeds beautifully in translating the video game experience, making it suitable for arcade junkies and electronic newbies alike.

Weiss's touch is masterful; he weaves themes common in video games into the story with mastery and subtlety. His sense of parallelism in structure is deliberate, but effective, as he works not only from within, adopting a fictional character's structural recommendation as the format of the novel itself; but also without, as several elements which would ordinarily be sacred ground (say, for example, a completely linear plot line) are distorted, but



still completely reasonable within the rules of Weiss's world.

The book no doubt holds special relevance to this awaiting audience. Pennyman is an extremely identifiable character who carries with him flaws and strengths common to many students of the Institute — determination, obsession, pride, and an active imagination. The people around him are equally flawed, though they often take a back seat to Pennyman, as it is certainly him and his obsession that make up the main focus of the book.

Weiss no doubt knows the appreciation that the average student of MIT has for his particular genre — in fact, he planted a reference to our hallowed halls in the book (in the form of a cyberbabe alumna, no less) — and many here would likely feel the same way about his opus. I give it my full recommendation; reading it certainly proved cleansing to my soul, as a man who shares some common bonds with Adam Pennyman, more than I'd care to admit. I have little doubt that many others here do as well, and would gain a new perspective on things in the same way.

CONCERT REVIEW

The Show Goes On

Despite a Bad Cold, Lifehouse's Jason Wade Sings Strong for the Crowd

By Pey-Hua Hwang

STAFF WRITER

Lifehouse
Paradise Rock Club
April 21, 8 p.m.

Fiction Plane, a newcomer to the alternative rock scene, took the stage at the Paradise Rock Club opening up the show for Lifehouse. They played a six song set that included five tracks from their new album. Their style ranged from eerie, to power pop, to punk. My favorite song in their set was titled "Cigarette," an ironic look at love played to a catchy tune. I couldn't help but wonder why they had chosen "Hate," which I didn't find nearly as radio friendly as "Cigarette," their first single.

However, I did appreciate the fact that all of the harmonies in "Hate," between lead vocalist Joe Sumner and bassist Dan Brown, were dead on in tune. "I would be ashamed if I wasn't [in tune]," commented Sumner after the show. He explained he has good relative pitch because he relates everything to the highest note he can sing. Sumner also had good crowd dynamics and was even comfortable enough to say, "Glad you don't think we totally suck," in response to loud cheering.

When their set finished, they helped with the removal of all their equipment and, after about a twenty minute interlude, Lifehouse took the stage. Jason Wade's new hairstyle was what I would term "ugly." It looked like bed head crossed with a Mohawk. Enough said.

I had high hopes for the music. Some of them were met, some were definitely not. Wade had been struggling with a cold since last week so his voice was still weak. It was clear that he was having difficulties on many of the high notes, and the amazing vocal control evidenced on his last tour was considerably lacking, as far too many portions of songs seemed just off enough to grate on this reviewer's ears. However, with the aid of a pot of tea, plenty of audience

participation, extended instrumental interludes, and proper song placement — interspersing the heavier numbers with more relaxing ballads to give his voice time to recover a little — Wade successfully finished a 15 song set.

Surprisingly enough, one of the strongest pieces was actually a heavier number from Lifehouse's first album, *No Name Face*. "Quasimodo" took advantage of the grittier, cold-induced quality of Wade's voice and gave the song a more serious edge. This song was also precluded by a long instrumental set that sounded like spy movie theme music and kept the audience trying to guess what song was next. I actually felt that the renditions of all of the songs from the first album were the stronger pieces during the show. The old adage that muscle memory kicks in when all else fails must have been true for Wade, as his vocal strength kept betraying him. Though clearly fatigued, Wade still conveyed an easy relationship with the audience, relating the background behind some of the songs to his audience and urging any guy looking for a social life to "go get a guitar at Guitar Center and start writing songs."

The newest mem-

ber of the band, lead guitarist Sean Woolstenhulme, was technically proficient but seemed almost reserved during the guitar solos in comparison to the high octane set of Fiction Plane. His brother Rick, Lifehouse's drummer, was featured much more prominently in both the music from the new album and in the updated versions of the music from the old album. This heavier style seemed strangely out of place considering the lack of the band's energy. Even the acoustic pieces were eventually burdened with extra layers of elec-

tric guitar, bass and drums. However, perhaps the extra instrumentation would have seemed more balanced if the vocals had been stronger.

The standout song for their evening was a reflective piece from their second album called "How Long," which built slowly from very sparse instrumentals to a full set. This piece was both well planned and executed. Overall, it was the songs from the old album and the singles off the new album that had the crowd singing along.

This phenomenon was most apparent in Lifehouse's choice of closing song. They ended the show with the song everyone had heard at least a million and one times on the radio, "Hanging By a Moment." It was a fail-safe crowd pleaser, but it left the feeling that the show had much more potential than it delivered.



BRIAN HEMOND—THE TECH

Lifehouse lead singer Jason Wade (left) and bassist Sergio Andrade perform the title song "Stanley Climbfall" from their latest album. The concert was Monday night at the Paradise Rock Club in Boston.

INTERVIEW

'Growing as a Musician and a Songwriter'

Jason Wade of Lifehouse Talks About Life on the Road

By Pey-Hua Hwang

STAFF WRITER

Jason Wade is a down-to-earth guy who prefers the creative aspects of the studio to the constant demands of touring; however, he was still cool about talking to this *Tech* reporter about Lifehouse's latest album, touring, and the evolution of songs.

Wade was getting over a cold, so his speaking voice didn't match his singing voice, but his style of speech certainly suggested the introspective sort of soul that matched his lyrics. He then told me that he didn't try to structure either of Lifehouse's two albums, *No Name Face* or *Stanley Climbfall*, with a theme. "I try not to direct a theme ... I let the songs sort of speak for themselves," he said. However, he did say that the second record was, in his eyes, more uplifting than the first because he was "in more positive place," than when he wrote the first record.

On the actual crafting of songs, he said that he tried a lot of things out on the promotional tour for *No Name Face* that ended up on the *Stanley Climbfall* CD. He said about half of the things worked and half of them didn't. "You start to realize really quickly what works and what doesn't," he said. Wade prefers to work on songs independently to begin with, preferably at home instead of on the road. He likes to work out the songs on the acoustic guitar, but during pre-production "everyone throws in input," he said. Starting a song is, of course, different than finishing a song, though. For him, finishing a song is the tough part: "It's like finishing a painting ... I just get to the point where I have to let it go ... I can obsess over little things for days or weeks ... There comes a point where you've taken a song as far as it can go."

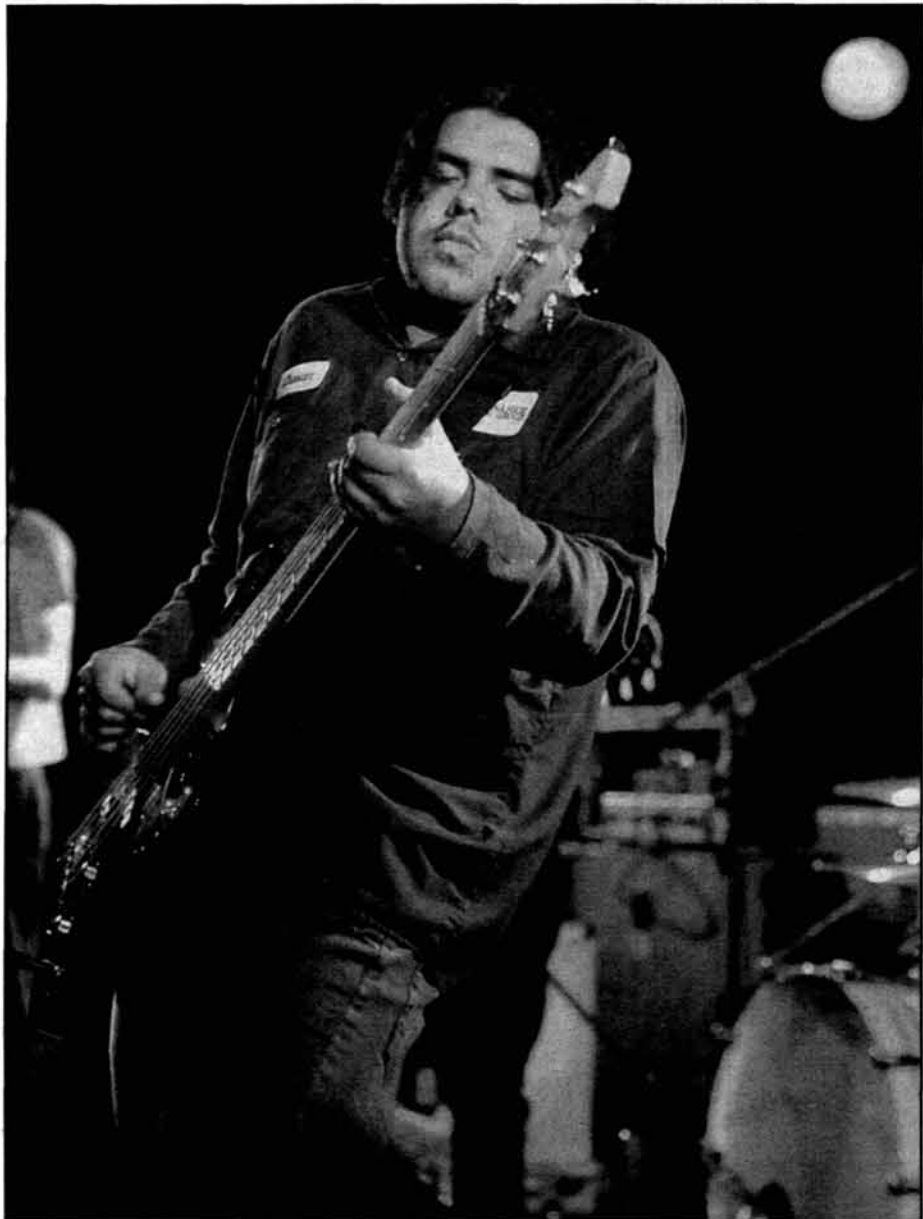
When on tour, Wade doesn't have any particular favorites in his set. "I like all of it. I'm a big fan of pop songs with strong hooks ... I also like hokey ballads ... We don't want to be one-sided ... We try to put some dynamics into what we do." He doesn't like the idea of just being the front man either. On

his first tour of the states he tried putting down the guitar during some songs but felt that it just wasn't as comfortable. "I just couldn't do it. I do feel more comfortable with the guitar ... It's, like, how I started music," he said.

When asked about choosing opening bands, he said that he doesn't have much input and that, "basically the agency chooses the opening band," and just tells him what time to show up for the sound check. He doesn't have any real crazy stories from tour to tell. "Most of our fans seem to be pretty grounded," he said. He did find the experience of opening for the Rolling Stones "amazing" and the "highlight" of the shows he'd played for the last three years. "I'm a huge fan of that time period," he said. He also commented that the Stones really took care of his band and that it was a "refreshing wake up call," that a band could "be successful and still be nice."

Wade also commented on the differences in their fans on their international tours in contrast to their fans in the United States. He felt that European crowds were more liberated than Americans and was amazed at the respectfulness of Japanese crowds. "Japanese crowds are really into it when you're playing, but really respectful between songs ... like you can hear a pin drop," he said. Touring does have its downsides, though: "I miss being home in general ... parks I like to go write at ... routines and patterns." He said that during the seven months that they were home before starting the *Stanley Climbfall* promotional tour he had gotten very used to life at home. He also said that touring brought "a lot more responsibility ... a lot more people to take care of ... a whole staff of people you inherit as soon as you get on the road."

Wade sees his future in continuing writing and recording albums. As far as fame goes, he said, "My standards are pretty low ... I just want to keep growing as a musician and a songwriter."



BRIAN HEMOND—THE TECH

Bassist Sergio Andrade plays "Breathing."

SUGAR & SPICE

Put Old Bread to Good Use

Bread Pudding is Fun and Easy to Make

By Marissa A. Cheng

French House is tired of bread pudding. Since spring break, I've made enough chocolate bread pudding to cover the desk you've got in your room. That's a lot of bread pudding.

Bread pudding is what earned me my reputation as the resident baking goddess — translation: insane baking freak — at French House last year. The Girls' Triple used to stay up late doing problem sets. When we had finished, I would celebrate our newfound freedom by baking.

At any rate, the real reason why I was making bread pudding, which doesn't sound especially appetizing, but is actually quite good, was because my dad loves to go grocery shopping, and would bring me a new loaf of bread every week. Now, I am your typical college student, plus, I'm short, so I don't eat that much. Even if I tried, I couldn't eat an entire loaf of bread in a week. Consequently, after the bread had languished in the fridge for two

or three weeks, with only a few slices gone, it was time to make bread pudding.

Now, there is actually an infinite number of ways to make bread pudding; it's one of those recipes that takes flavors well. You can also abuse it any way you want — get your mind out of the gutter — and it's second only to quiche in its lack of dependence on what ingredients you actually have. If you only have a few eggs, you can substitute the liquid content with milk, or if you don't have much milk, you can substitute more eggs, or some other liquid. If you feel like making a richer pudding, add light cream or heavy cream instead of milk. You can make sweet bread pudding, like the classic "plain" bread pudding, which is flavored with a bit of vanilla and cinnamon, or chocolate bread pudding, which involves adding chocolate to the heated liquid mixture, or add chocolate chips or pieces of fruit. You can also make savory bread pudding with the same bread, but instead add grated cheese to the liquid mixture, or layer the bread with veggies like mushrooms and zucchini, in which case it is called a strata. To make a tomato bread pudding, you would add some sliced tomatoes and tomato juice, plus seasonings. Basically, it all depends on what you have on hand.

The basic bread pudding involves the bread and a liquid mixture that is essentially a custard (or will become one when baked). The bread is torn or cut up into 1-inch pieces, and drizzled with melted butter, then placed into a baking dish. All of the other ingredients — milk, eggs, sugar, and flavorings — are then mixed together and poured over the bread. Then you can either bake the pudding right away, or let it sit for up to 2 hours to absorb the custard, which I recommend when you are using French bread.

Does it matter what kind of bread you use? Yes, it does. Don't use bread that is easily squished, such as Italian bread from the supermarket, or Wonder bread. For bread pudding, it's best to use a bread that's moderately soft and not too dense — if the bread is too dense, the custard won't adequately soak into the bread. Regular sandwich bread like Arnold Country White is fine, even with the crusts. If the bread has a hard crust, cut it off — time consuming, but worth it. Lately, for chocolate bread pudding, I've been using French bread that's not too dense and not too hard. Check before you blindly buy some random French bread, since it differs from supermarket to supermarket. You can also use fresh bread or stale bread; it doesn't make any difference.

Basic Sweet Bread Pudding

- 4 cups bread, in 1-inch pieces
- 1/2 stick unsalted butter
- 2 3/4 cups heavy cream or whole milk
- 4 eggs
- 3/4 cup sugar
- 1 tsp vanilla

Preheat oven to 350°F. Melt butter and toss with bread in a bowl.

In another bowl, whisk together cream, eggs, sugar, and vanilla. Pour over bread cubes, stirring to coat.

Pour bread and custard mixture into an ungreased baking pan. Bake until just set. The middle should still tremble slightly when the pan is shaken, about 40 minutes.

Variation: To make chocolate bread pudding, increase sugar to 1 cup. Heat the cream over medium heat until simmering — tiny bubbles will form around the edge, and a thin skin will form on the top of the cream — then whisk in four ounces unsweetened chocolate, chopped, over low heat. Remove from heat.

In a large bowl, whisk together eggs and sugar, then slowly whisk in the chocolate and cream mixture. Pour over bread cubes and bake.

INTERVIEW

Just a Couple of Nice Guys

Fiction Plane Talks About New Album, Touring

By Pey-Hua Hwang

STAFF WRITER

Between sets and after the Lifehouse show on Monday, I had the opportunity to talk to both Peter Wilhoit, the drummer who refers to himself as Pete, and Joe Sumner, the lead singer of the new band Fiction Plane, whose CD *Everything Will Never Be Ok* was released last March. They were cheerful and seemed happy to talk to me. Sumner even apologized for the occasional interruption when he stopped to talk to a fan or sign a fan's CD. "Sorry for being so discombobulated," he said. I have to say I give credit to anyone who uses the word "discombobulated" without sounding forced.

Wilhoit commented about touring: "It's a blast. First of all they [Lifehouse] are super nice guys ... it's nice to borrow their audience." He also informed me that they began touring to promote their album in the States in January and planned to continue for about a year and a half. One thing that struck me as interesting about the band was that all of the band members were considerably taller than myself and also considerably taller than the members of Lifehouse.

Sumner seemed to exude energy and had

a sort of self-deprecating humor that matched very well with the style of his song writing. He commented that he loved the energy of performing. "When it's all, like, vibed up, nothing can stop us," adding afterwards for the sake of hyperbole and humor, "When I'm saving puppies from trees I just use one arm to climb up," in a very proper British accent that seemed almost out of place for someone whose album promotes T-shirt, baggy shorts, and surfer boy mussed blonde hair. He said his favorite part of touring was "playing every night in front of loads of people," and traveling to new places. One of his favorite cities was actually a surprise to him. "I really like Nashville. I thought it would suck ... It's an awesome town," he said. Touring has a dark side, though: "not seeing your girlfriend often enough."

He doesn't seem to feel any pressure from being the son of the famous Sting. "It's like being me. I have nothing to compare to, so I don't know," he said. He even commented that he'd been to MIT before. He attended a summer program at Berklee School of Music when he was sixteen and apparently attended an MIT party, which he characterized as a "demolition."

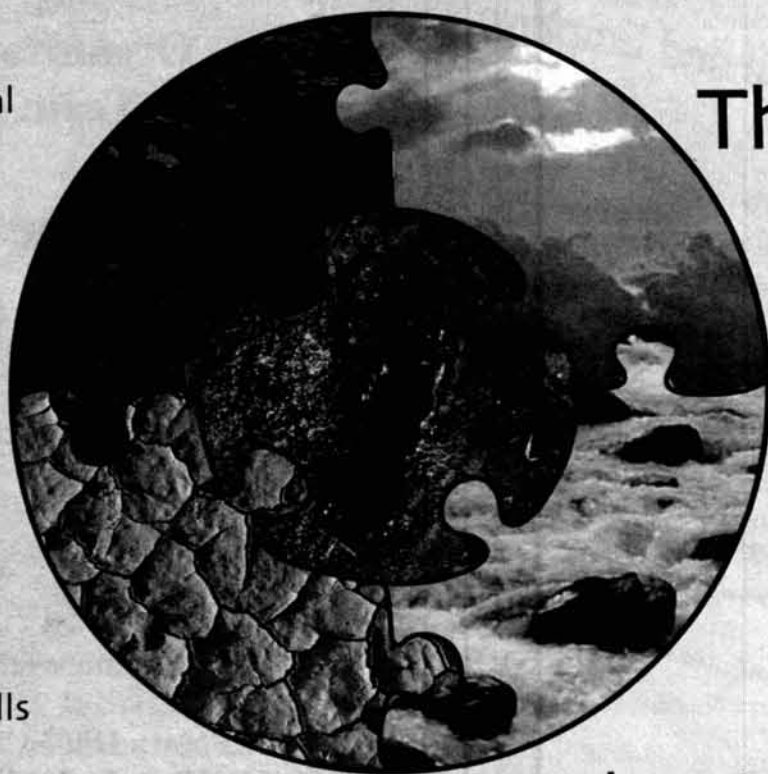


Fiction Plane — Dan Brown, Joe Sumner, and Seton Daunt — opened for Lifehouse at the Paradise Rock Club in Boston Monday night.

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State Commission Discusses Phase Two of River Plan

By Brian Loux
ASSOCIATE FEATURES EDITOR

Representatives of the Metropolitan District Commission held the fourth public meeting last night to discuss the commission's restoration project that is currently underway along Memorial Drive.

Presently, the construction project is divided into two phases. Phase one, which began this year, involves construction between Longfellow bridge and Fowler street (between MacGregor and Number 6). The plan involves removing Memorial Drive parking lanes as well as one lane of car traffic on the river side and the addition of a new "multi-use path" for bicyclists and rollerbladers. Once completed, the path and a foot path will extend from Vassar Street to the Cambridge viaduct near the Longfellow bridge. The plan also involves the redevelopment of the intersection at the Harvard bridge.

Memorial Drive will include more "turn pockets," a phrase used by developer Ed Gardiner of Rizzo Associates to describe shoulders on the road to allow for cars to stop to

drop off people.

"The phase is well under construction," said Project Organizer Joe Orfant. "The construction will last 18 months ... but most will be done by next fall."

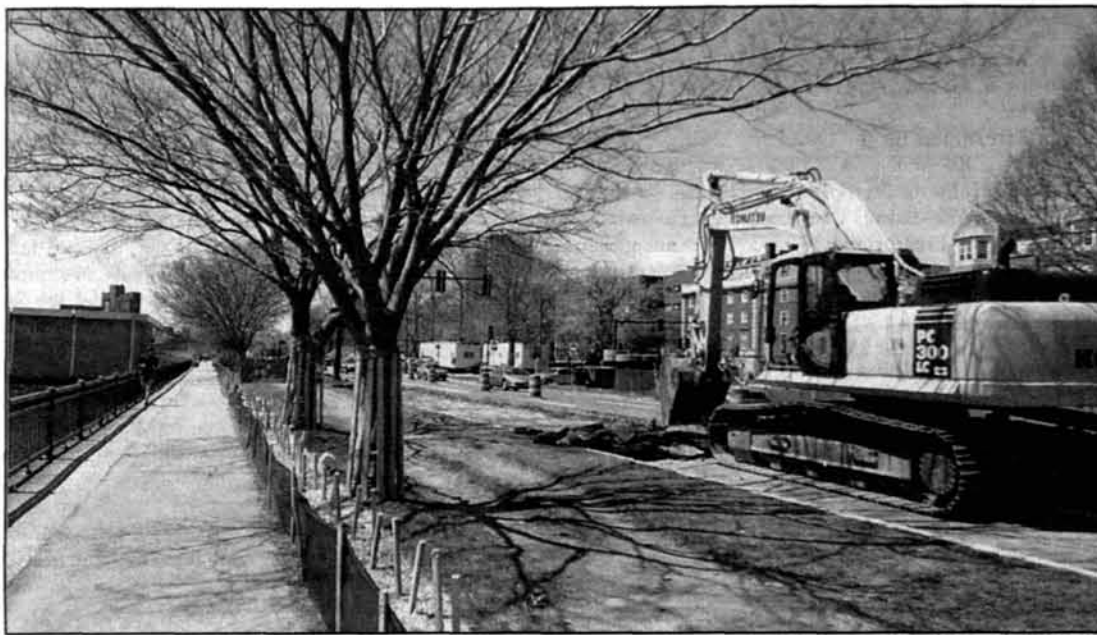
Orfant said that their main concern is the construction along Harvard Bridge. He estimated that the bridge portion of the project will be finished by October at the latest.

MDC commissioner of policy Samantha Bussell said this portion of the project is funded by transportation bonds and park bonds, and in part by MIT in an initiative to increase the number of traffic signals along Memorial Drive. The total cost for the first phase is \$6 million.

Second phase still being designed

The second phase plan will develop the new path and shore from the crosswalk at Burton-Conner to the intersection of Vassar Street and Memorial Drive. Though the funding may not be there yet, Orfant said, "the project will be bid by this fall."

"The area from the BU bridge to the beginning of the multi-use path



Construction is underway on the MIT stretch of Memorial Drive. Workers will eliminate the existing median to make room for a wider pedestrian walkway along the river, similar to Boston's Esplanade.

JOHN CLOUTIER—THE TECH

will resemble a wooded upland area with a stabilized soil path," Gardiner said. Eight feet of vegetation will

extend to the river and give "superior water treatment," Gardiner said.

In addition, larger plaza areas similar to the covered bench areas currently seen along the river will be introduced on the Cambridge side. As well as creating meeting places, the roofed plazas will also serve to slow down users of the multi-purpose path as they approach an intersection. "We don't want [the path] to become a highway," Gardiner said.

However, because of the current situation of the state budget, "we are not sure when construction will begin" for the second phase, Gardiner said.

The Memorial Drive project is part of the MDC Master Plan in which the entire shoreline area of the Charles River Basin will be redeveloped. Some of these plans overlap with each other, the officials mentioned, and the area around the BU bridge may see more development before the project is complete.

"What we're doing," Bussell said, "is putting it together piece by piece."

Public reacts to plans

As much as safety was a concern, not all intersections will be given stoplights, to the disappointment of some of the meeting's attendees. "We still have some areas that will be playing chicken with traffic areas," Gardiner said. Both the Burton-Conner and MIT sailing pavilion

intersections will not have lights. Gardiner noted that both these places will have less lanes of traffic to cross instead.

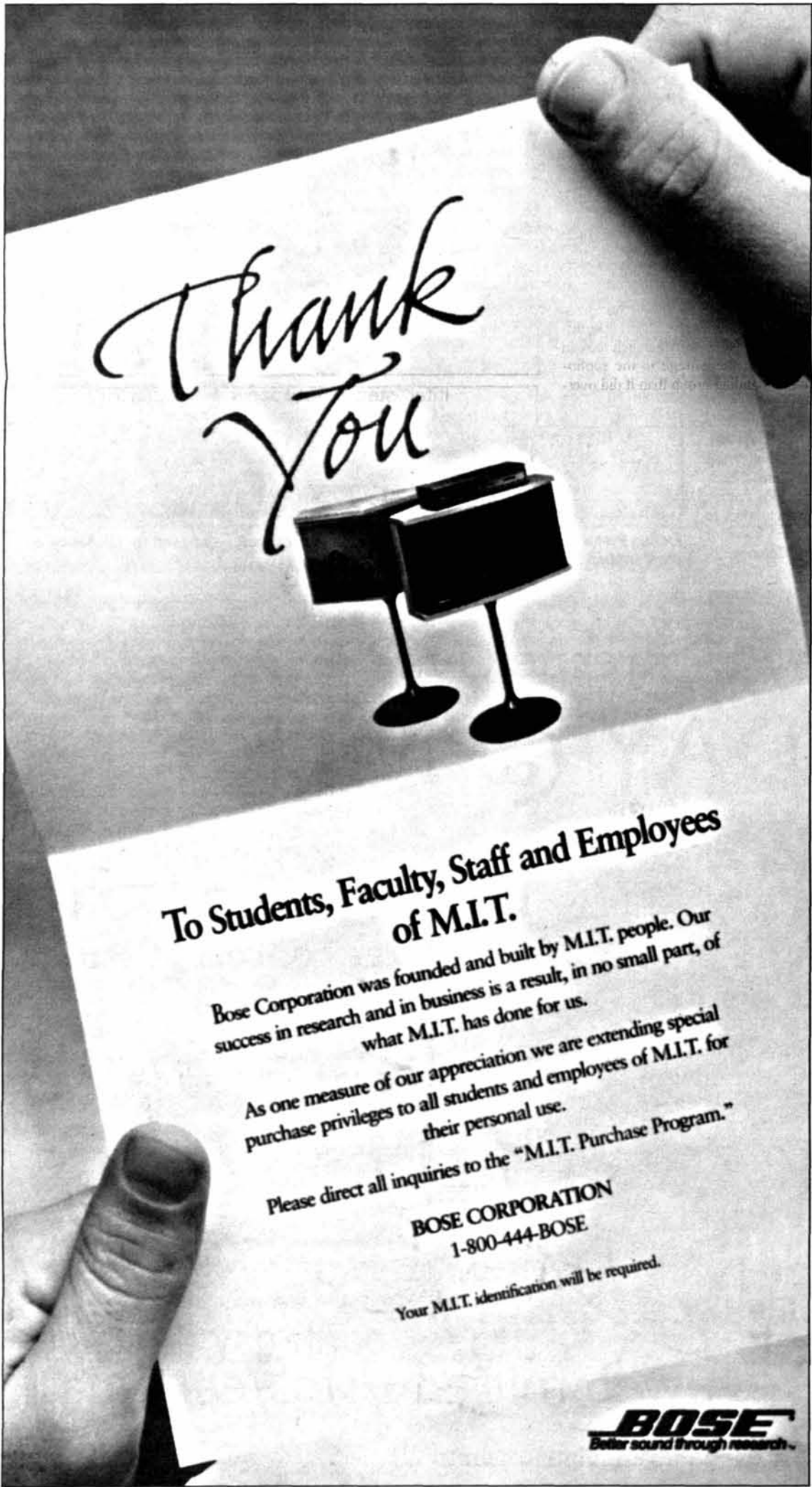
For the most part, the median is planned to be lined with tall shade trees spaced symmetrically on each side of the road so that people may see the river easily from across the street.

An original plan proposed to clear cut trees already in the medians to allow for the better viewing, but this plan was sternly criticized by many in the public.

"We now want to do it over time," said Lisa Decker of Brown, Richardson, & Rowe, a landscape consulting firm. Decker said that the new plan was to allow trees to dwindle on their own. Members of the public still had reservations about the plan.

"I see this plan and it all looks very suburban," said one man in the crowd. "It is not pleasing to me." A group of attendees also alleged that phase one of the program had begun without a license from the Cambridge Conservation Commission. MDC officials denied these charges.

Most of the concerns, however, revolved around the walking paths and new car lanes. One man argued that the reduction in traffic lanes would lead to more congestion along Memorial Drive, which officials denied on the basis of traffic pattern data.



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Declines in EECS Attributed to Economic Problems

Majors, from Page 1

remained relatively constant, with the variations between this year and last appearing to be consistent with past fluctuations.

The freshman major data are based on the 908 students who turned in their forms by the April 18 deadline. There are 32 students who chose not to declare a major and 39 who have yet to turn in the form, leaving 7.7 percent of the class effectively undecided.

Numbers likely linked to economy

The freshmen data are also subject to freshmen choosing to change majors over the summer.

Jeffrey A. Meldman, associate dean of undergraduate education for course XV, said that "we [usually] see a rise between freshmen declaration and fall of sophomore year."

"We don't usually get a good number until first week of fall," Meldman said. He said that reason for the increase may be that sophomores believe they need to get priori-

ty for the course lottery by declaring before fall, but that priority in fact does not play an important role for the normal sophomore classes.

Meldman said that for "the last few years we've been slowly growing," but "we expected to see [a decrease] before now" because of the weak economy.

Course VI Department Head John V. Guttag said that "my guess is that [the decrease in majors] is not so much a trend but a reflection of the economy."

"The long-term trend is up" for the department, he said, "but with significant cycles that in many ways corresponds to economic cycles."

Guttag said that a decrease in the number of Course VI undergraduates "will be better for the students and the faculty" because of the increase in the faculty-student ratio, which, for example, may make the normally intense competition for advisors easier this summer.

He said that the number of faculty in the department should not decrease during the cycle. He noted that the

department has 12 percent of MIT's faculty but more than 12 percent of its undergraduates.

"It's going from way more than our share to more than our share," Guttag said.

Course XXII increases recruiting

Freidberg said that the nuclear engineering department has been "working a lot harder to recruit" students. "We've worked very hard to streamline the curriculum," he said, bringing all the classes into a "single unified track."

In addition, he said, there is "a huge shortage of nuclear engineers in the power industry," leading to a starting salary among the highest of all engineering disciplines.

Freidberg said that in the past many students entering MIT had never heard of nuclear engineering or didn't know the department included fusion and applied nuclear technologies for medicine and biology.

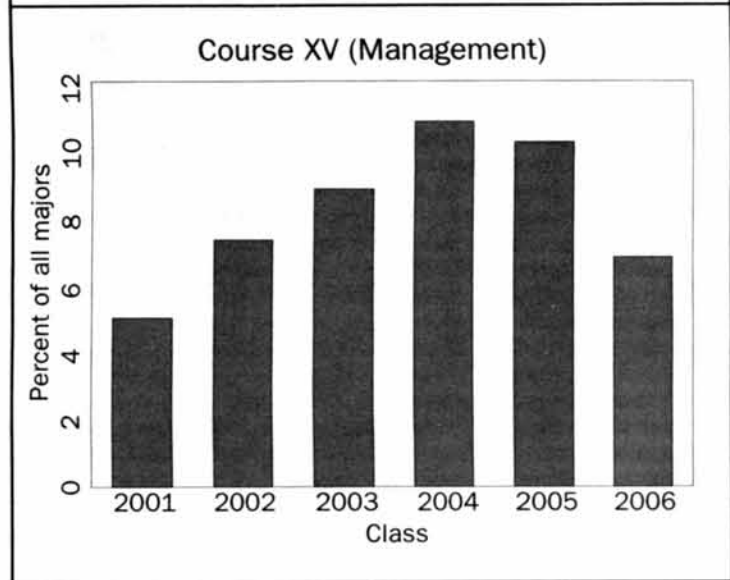
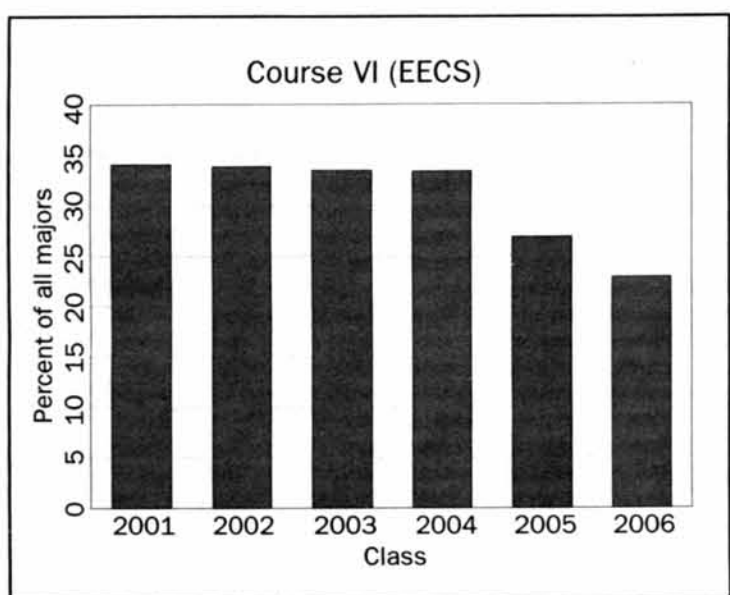
After the drop to two students for the class of 2004, he said, the department decided to work harder to make personal contacts with current and prospective majors. "There's nothing like talking to other students to be convincing," Freidberg said.

EECS stands out with sophomores

Course VI comprises a historically more consistent 29.5 percent of sophomore-standing first year students' majors.

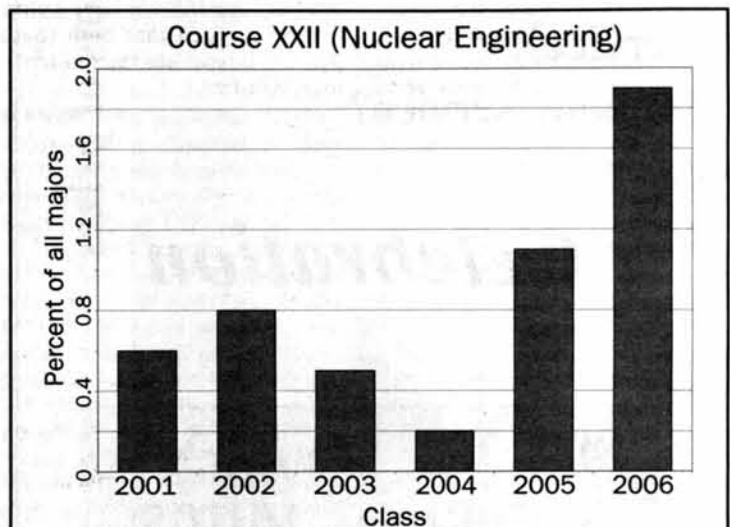
This is the first year that sophomore-standing students form a sizeable subset of freshmen, with 121 choosing to advance this year compared with only 12 last year. Iria J. Romano, assistant registrar, said that the freshman major data include sophomore-standing students.

The other majors were approximately consistent with the overall distribution in the freshman class, except for the Course VXIII (Department of Mathematics), which took in twice the percentage in the sophomore-standing group than it did overall.



The percentage of students from the classes of 2001 through 2006 who declared Courses VI (Electrical Engineering and Computer Science) and XV (Management) as majors. The data from classes 2001 to 2005 reflect fifth-week sophomores' majors in the fall. The class of 2006 data are from the 908 freshmen who declared majors this spring.

SOURCE: REGISTRAR'S OFFICE



The percent of the last six freshman classes who declared Course XXII (Nuclear Engineering). Years 2001 through 2005 are taken from fifth-week sophomores in the fall, and 2006 is taken from freshman major declarations this spring.

SOURCE: REGISTRAR'S OFFICE

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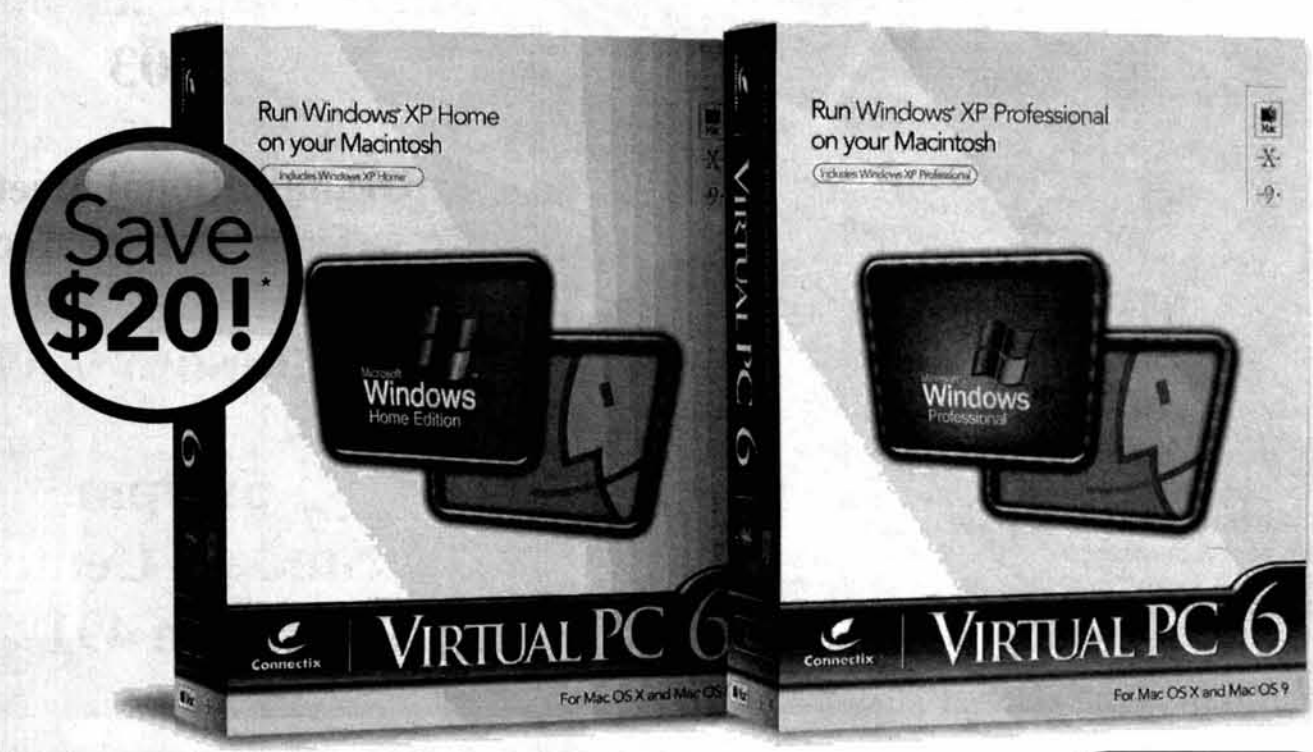
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MIT Will Remain Part of Media Lab Asia Research

Media Lab, from Page 1

"Changes are already being made as we speak," Bender said.

"The new minister does not believe in rural development through ICT [information and com-

munications technology] and is even less interested in basic innovation. He wants a very directed, project oriented research with step-by-step deliverables," Negroponte wrote.

Media Lab ICT projects included rural wireless networks and speech interfaces designed to make information accessible to illiterate people.

MIT is no longer involved with Media Lab Asia management because of this change, Bender said.

Bender believes that the most important thing for Media Lab Asia

to do is to assemble the right people to work on research.

Rural technology research

The goal of Media Lab Asia is to "focus on technologies that respond to the needs of the millions who require them most in Asia, Africa, and Latin America," according to its Web site.

"A lot of good work was being done and [the] previously-isolated India Institute of Technology labs started to collaborate," Negroponte wrote.

"There is some interesting work

in rural [wireless networking], wireless power, and desktop manufacturing," he wrote.

Bender said that the work has "primarily been in rural areas," but not entirely. For example, a computer clubhouse was established in Dehli.

Negroponte thinks that some of this "will continue through traditional research contracts."

Bender thinks that even with the change in leadership, the work will continue.

"My expectation is that most of the research is going to continue,"

Bender said.

MIT first became involved with Media Lab Asia when it "entered a one year agreement to explore the long-term establishment of a Media-Lab-like entity in India" Negroponte wrote.

"This was funded 100% by the Indian government as a non-profit entity, whose board they always controlled," he wrote. The "Ministerial change happened just before the time MIT was to make its decision" regarding what was to happen after the agreement's term was up.

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Grad Student Representatives Question MIT Cable

Cable, from Page 1

cable channels from the MIT cable television system.

Randall W. Winchester, the long-time MIT Cable team leader with whom I work closely on the Library Access to Music Project, was barely able to finish his planned introductory presentation before a barrage of almost hostile questioning doomed Nilsson's carefully planned agenda to abandonment after only its first bullet point.

Most basic channels lost in March

Forty "basic cable" channels previously provided in the subscription portion of MIT Cable were lost on March 1 when the country's sole digital supplier of those channels, WSNNet, went bankrupt.

The subscription service had about 370 subscribers paying \$25 per month when the WSNNet channels disappeared, Winchester said, and now costs \$14 per month for an array of traditionally second-tier "digital cable" channels such as Fox Sports World provided by the Comcast Corp.'s "HITS" service.

Some of the channels that remained, such as ESPN2 and MTV2, will disappear in June because their providers do not allow HITS to transmit them to customers who do not also receive the related flagship channels ESPN and MTV.

MIT partly compensated for the WSNNet bankruptcy when Nilsson's office agreed in mid-March to pay \$67,000 per year to provide a package of 11 so-called "essential" cable channels, including CNN, C-SPAN, and The Cartoon Network, on the free portion of MIT Cable.

But MIT Cable still lacks ESPN, MTV, the New England Sports Network, or Comedy Central, and Winchester said there was no simple means by which MIT could receive the channels.

Students challenge MIT Cable

The graduate students' frustration at being caught in what seemed like another MIT vortex of "we do things a little differently and make everything more complicated than it needs to be" was palpable. They challenged Winchester regarding why something available to cable subscribers four blocks away had to be this difficult for MIT to provide in its dormitories.

¶ Why can't MIT just buy ESPN for everybody? the students asked. The answer: Because ESPN wants at least \$2.40 per MIT cable connection (there are 4,300) per month, the total price would be roughly \$120,000 a year just for ESPN, something MIT is not prepared to pay.

¶ Okay, why can't we just make ESPN and other channels available to students who want to pay for it? they asked. Answer: Because the only feasible mechanism to limit access to subscribers is through the digital set-top receivers used by the MIT Cable subscription service, and there is no easy way to provide "basic cable" channels like ESPN digitally to those

boxes. That's what WSNNet did, and they were the only service in the country doing it before they went bankrupt. "It's not really a technical problem so much as a business problem," he said.

¶ But wait, AT&T Broadband used to provide an analog subscription service over MIT Cable with traditional analog "scrambling" before WSNNet came on to the scene in 2001. Why can't we bring them back and get ESPN and MTV and Comedy Central like we used to? The answer: It was AT&T that terminated the relationship with MIT because it was unable to make money selling analog subscriptions to MIT students.

¶ Can't we get Comcast, Cambridge's residential cable company, to bring us service? Answer: This is what Harvard has in only a few buildings, Winchester said, but it is not feasible at MIT. "They [Comcast] do not have any distribution system through [MIT's campus] at this point," he said. "The Cambridge cable operator won't wire any of our buildings unless they get a contract to wire all of our buildings," he said, and "we don't want to give them space in our telephone closets."

Bringing Comcast to replace MIT's system entirely would probably mean losing all of MIT's local channels, Winchester said.

¶ Okay, what about DirecTV satellite service? the students asked. Can't we get ESPN through that?

Maybe, it turns out, but in almost the most inelegant fashion possible.

"The problem is, most of our buildings don't have the infrastructure" to distribute a DirecTV feed to all rooms through the MIT Cable system, Winchester said. Instead, dormitories would have to buy a separate, private DirecTV installation, which would have to be professionally installed for roughly \$1,000, Nilsson said, because DirecTV does not have professional installers that MIT would trust.

And because MIT buildings do not have the infrastructure to distribute the signal from a single dish, Winchester said, each dish would be able to serve only a limited number of televisions on a cable that would be physically distinct from MIT Cable.

Some students proposed having a limited number of televisions in GRT apartments or lounges be hooked up to these DirecTV dishes.

"If that's something the houses want to do, we need to hear from individual houses," who would have to agree to pay for the \$1,000 installation and service, Nilsson said.

"How are you planning to fund it? Because we can't fund it," she said.

MIT to keep wheeling and dealing

In the long term, Winchester said, Comcast will probably start providing a digital service similar to that of the bankrupt WSNNet, and MIT will

again be able to provide subscription services of channels, like ESPN, MTV, and Comedy Central, that the real world takes for granted.

"Ideally, everybody gets it, and it's just in your room and you can plug it in," Nilsson said. "Randy is going to keep searching and trying to wheel and deal" to get more channels, she said.

In the meantime, Nilsson said she was "committed in my budget to continue" paying the \$67,000 a year for the 11 basic channels her office has

made free for all.

And, sounding somewhat like a media mogul, MIT's director of housing declared a tough stance on ESPN, the Disney-owned cause of much of this unpleasantness, for playing hardball on prices, saying many universities were dropping ESPN as a result.

"Hopefully sooner or later they'll get the message that if they really want to be the world leader in sports," they'll lower their prices, Nilsson said.

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<http://web.mit.edu/mgchoir/www>

Age 7, 1982



Age 18, 1993



Elizabeth Suto.

Killed by a drunk driver on February 27, 1994, on Bell Blvd. in Cedar Park, Texas.

If you don't stop your friend from driving drunk, who will? Do whatever it takes.

FRIENDS DON'T LET FRIENDS DRIVE DRUNK.

U.S. Department of Transportation

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Africa Attracts Students

Jobs, from Page 1

and 63 additional students received other forms of funding.

Students apply to internships

Internships continue to attract interest from MIT students. Students have found internships this year through a variety of sources.

"I just sent my resume online," said Christopher W. MacMinn '05, who will be working for General Electric. MacMinn said that the job situation "isn't really that bad."

Wey-Jiun Lin '06 received her internship from a mentor of her high school robotics team. She will work at Xerox Research Park in Palo Alto, California, in the modular robotics lab. She said she wanted to be close to home, because she misses her family. "I especially miss my parents and the food they make for me," she said.

Africa attracts some for summer

Others are taking advantage of less traditional summer employment avenues.

Eston M. Kimani '05 is participating in the MIT African Internet and Technology Initiative. Kimani will travel to Kenya to teach Java programming to Kenyan high school and college students.

As an added perk for Kimani, Kenya is his home. He will still receive a stipend as well as airfare to Kenya.

Kimani describes Kenya as amazing and beautiful. "I miss home, and most of all, I miss the people. I haven't gone home in two years," he said.

Solution to ChessMate

from page 10

1. Bc4+ Nxc4 2. Qxd7 checkmate

Solution to Crossword

D	A	W	N	B	R	E	E	Z	E	F	R	O		
E	C	H	O	L	A	U	R	E	N	L	O	W		
C	H	E	R	R	Y	G	R	I	N	D	H	A	I	L
A	E	T	N	A	M	O	N	O	L	O	G			
F	D	R	S	P	A	S	I	N	C	A	S			
H	I	T	O	N	V	A	N	G	O	G	H			
G	U	I	T	A	R	M	E	R	E	B	I	O		
A	N	N	E	T	Y	P	E	A	A	B	L	E		
I	C	E	F	I	S	H	G	A	B	L	E	D		
T	A	C	T	U	A	L	D	O	L	C	E			
S	P	O	I	L	L	E	N	O	B	E	L			
R	E	C	L	A	I	M	N	A	I	V	E			
S	A	N	D	R	O	L	L	I	N	G	B	R	I	M
E	K	E	U	N	E	A	S	E	T	T	A			
W	A	R	M	I	S	S	E	D	T	H	A	N		

from page 9

Technicolor Cows


Friday, May 2nd
9:00 to 11:00 PM

The Source

MIT Student Center 1st Floor Lobby

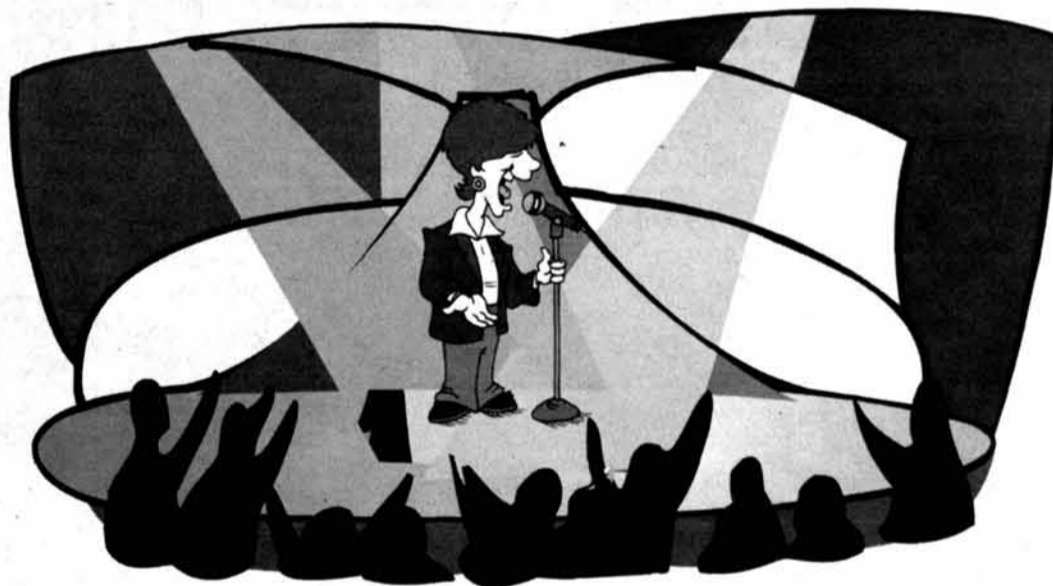
- ~ Enjoy a variety of ice creams and floats
- ~ A Cow is vanilla ice cream plus some type of beverage
- ~ Create your own brown, purple, black, orange, and green cows
- ~ Don't know what these are? Come find out!

Questions? clubz@mit.edu

Sponsored by 

The MIT Arab Student Organization Presents

The Axis of Humor



Sunday May 4, 2003- 7pm

MIT Room 54-100

Students: \$8 in advance / \$10 at the door

Non-Students: \$12 in advance / \$15 at the door



A Stand-up Comedy Evening featuring Dean Obeidallah, Nasry Malak, Maysoon Zayid. An evening of laugh-out-loud fun with New York's finest Arab-American comedians!

Tickets Available Online:
<http://web.mit.edu/arab/www/comedy.htm>

This event is sponsored by the MIT Arab Alumni/ae Association



You're at a greater risk of getting skin cancer if your hair is blonde or red.

(Assuming your hair is really blonde or red.)

Fair skin, light eyes and a tendency to burn in the sun, also put you at a higher risk. So, examine your skin regularly. If you find anything unusual, see your dermatologist.



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SPORTS

Sox Win Wild One in Beantown

By Phil Janowicz

SPORTS COLUMNIST

On a Wednesday night filled with opportunities, the Red Sox just squeaked by the Royals 5-4. Despite loaded bases in the sixth, seventh, and eighth innings, the Red Sox took advantage of two Royal errors in the bottom of the ninth to rally from down 4-2 to win in dramatic fashion.

To start off the bottom of the ninth, the Royals put in closer Mike "Wild Thing" MacDougal who has a 100 mph fastball and a little control problem as of late. MacDougal

blew his last save attempt in Toronto during the Jays' rally from down six in the bottom of the ninth. He was looking to tie the Royals record for saves in a single month (11) by converting the save Wednesday.

Todd Walker led off the bottom of the ninth with a single to right field. Then, MacDougal threw a wild pitch that nearly took Nomar's head off. Trying to shake it off, he gave up an RBI single to right field by Manny that drove in Walker and advanced Garciparra to 3rd. Millar hit a sac fly to right to tie the game up at 4-4.

The very next pitch, MacDougal drilled Shea Hillenbrand on the shoulder with a 97 mph fastball, so the Royals made a pitching change to their phenom DJ Carrasco. Seeing the opportunity to be the hero, Johnny Damon tried to go yard on the first pitch and popped up behind home plate. Luckily, the ball was sailing over near the bats in the on-deck circle, so Royals catcher Brent Mayne had some trouble fielding the catch and dropped the ball for an error. Then, Carrasco beamed Damon to load the bases with one out, the same situation the Sox had been in the previous three innings. After a tense moment over the bean balls, Jason Varitek came up and hit a bouncer right to Royals first baseman Mike Sweeney.

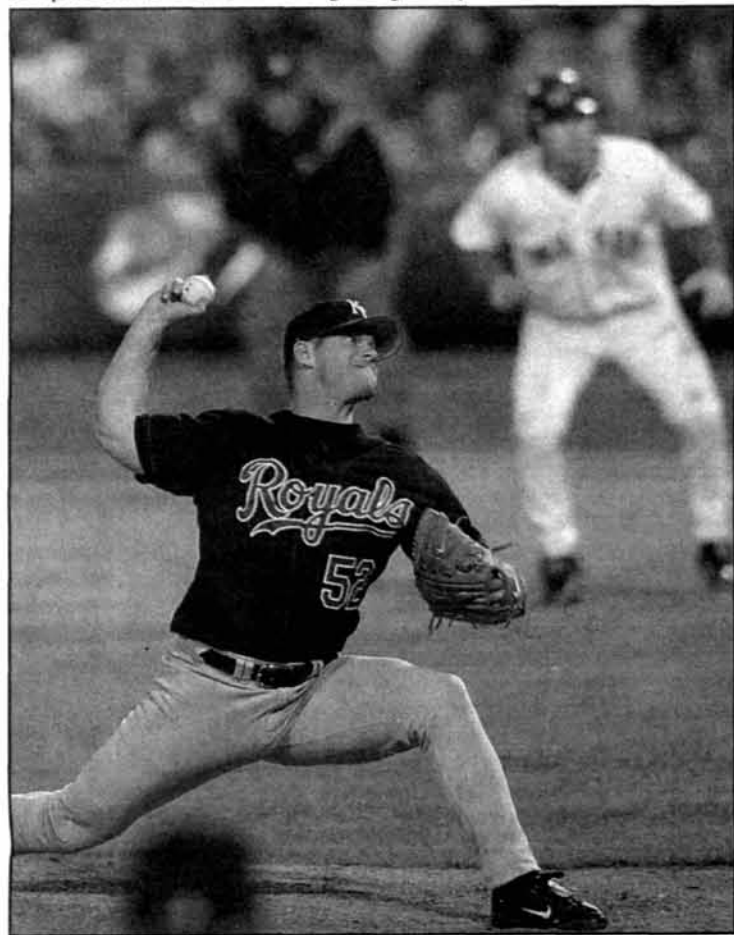
Sweeney saw the opportunity to turn the inning-ending double play, but he made the turn to throw before the ball got into his glove. The ball bounced off the tip of his glove to give the Sox the win on the unearned run. The Royals tied an American League record for hit batsmen in an inning with three. Alan Embree got the win, pitching 0.1 innings in the top of the ninth, and MacDougal took the loss and his second blown save of the season.

Derek Lowe got the no decision even though he pitched a great game allowing two hits, two earned runs, three walks, one hit batsman, and striking out two. He was denied his fourth win of the season once again.

Royals starter Darrell May pitched a great game as well allowing five hits, one earned run (a lead-off home run by Bill Mueller in the first), two walks, two wild pitches, and striking out six. After giving up the home run to Mueller, May settled down and breezed through the order his second time through.

In the eighth inning, Kevin Millar scored on a wild pitch by Albie Lopez, tying up the game 2-2.

The game contained more wild pitches and hit batsmen than I had ever seen outside of little league.



Kansas City Royals pitcher Jeremy Hill exits his windup as the Red Sox' Shea Hillenbrand leads off first base last Tuesday. The Sox went on to win the game 7-2.

Track Women Narrowly Beat Guard

By Martha Buckley

TEAM CAPTAIN

The MIT women's outdoor track team narrowly edged out Coast Guard 108.5 to 103.5 to capture third place in NEWMACS last Sunday. Third place was still up for grabs coming into the final event of the day, the 4x400m relay.

The MIT 4x400m team of Andrea J. Dooley '06, Valerie Y. Kuo '06, Catherine A. Tweedie '04, and Elizabeth R. Walker '06 rose to the occasion to finish sixth place with a season's best time of 4:21.55, clinching MIT's victory over Coast Guard. Wheaton College won the meet with 181.5 points, followed by Springfield College with 135 points.

The MIT distance squad gave the team a strong start with incredible performances in the 10,000m run and the 3,000m steeplechase. MIT earned an amazing 38 points in these two races. In her first 10K ever, Nancy J. Benedetti '05 ran a smart race to place second in a New England Division III qualifying time of 43:12.66.

The MIT 10K pack of Betsy R.

Eames '06, Jordan E. Wirfs-Brock '06, and Marissa L. Yates '03 ran together throughout the majority of the race in their famous pack attack to place fourth, fifth, and sixth respectively.

Julia C. Espel '05 easily won the 3,000m steeplechase in 11:24.59. She was followed by frosh steeple superstar Karen A. Kinnaman '06, who placed 4th with a New England Division III qualifying time of 12:11.20, and Jennifer A. Gaugler '05 and Stephanie A. Claussen '05 who placed 7th and 8th respectively.

MIT's strength in the distance events continued as Valerie Y. Kuo '06 easily won her heat to place eighth in the 800m with a time of 2:28.39. In the 1500m run, Martha W. Buckley '04 placed second in the with a time of 4:50.38 and Kinnaman returned from the steeple to place fourth with a time of 5:11.95. MIT also picked up points in the 5000m run, as Buckley and Espel returned to the track to place second and third in the 5000m, respectively.

Despite facing tough competition from sprinting powerhouse Wheaton College, the MIT sprinters made their mark. Meredith N. Sil-

berstein '05 ran a 13.54 in the 100m to qualify her for New England Division III Championships. Chinwe P. Nyenke '04 and Elizabeth A. Walker '06 ran 17.09 and 17.36 in the 100m hurdles to place sixth and seventh respectively. Liz Walker returned in the 400m hurdles to place seventh with a time of 70.10.

In the field portion of the meet, the star of the day was Catherine A. Tweedie '04, who won the pole vault with a new MIT varsity record and a NEWMAC meet record vault of 11'8". Tweedie's vault currently ranks her sixth in the nation. Rather than resting between her record shattering vaults, Tweedie took the opportunity to compete in the high jump and the long jump, placing seventh and eighth respectively.

Multi-eventer Chinwe P. Nyenke '04 returned from the hurdles to place third in the triple jump with a jump of 35'10.75" and fifth in the long jump with a distance of 15'10".

Despite tough competition in the throwing events, the MIT women launched personal records to earn points for the team. Adrienne M. Irmer '04 improved her personal record in the hammer throw by over 15' to place second in the event with a mark of 140'9" and placed eighth in the shot put with another personal record throw of 35'4". Akua A. Asa-Awuku '03 placed eighth in the hammer with a throw of 123'1". Cara L. Toretta '04 placed eighth in javelin with a throw of 86'4".

With a record number of people qualified to compete in post-season championships, the MIT women's team will be traveling to Williams to compete in the New England Division III championships this Saturday.

Curiouser
And Curiouser

By Phil Janowicz

SPORTS COLUMNIST

Yes, that's right. Kevin Millwood, a cog in the Phillies machine, threw a no-hitter on Sunday to spotlight the wackiest day of baseball this season. To start off, Millwood struck out 10 and allowed three walks in his no hitter against the San Francisco Giants. When asked whether he was nervous at all, he replied, "[After the final out] I saw Jim Thome running toward me and that made me nervous." Congratulations, Kevin. That one was well deserved.

Another headline of Sunday's match-ups was the 20-inning marathon game between the St. Louis Cardinals and the Florida Marlins. The Cardinals scored three runs in the top of the ninth to increase their lead to 6-1, but their bullpen gave up three home runs in the bottom half of the inning to tie it up 6-6. Then, the fun began. Both teams emptied their bullpens, and Florida even used Carl Pavano, their scheduled starter for the game the next day.

A total of 622 pitches were thrown in the contest which took a little over six hours to complete. Fernando Vina got the game-winning RBI in the top of the 20th to make him 1 for 10. Alex Gonzalez choked thrice with the bases loaded, and Florida left 13 guys on base during extra innings alone. If the little over 10,000 fans who attended were looking for an extra treat, it began to rain in the 19th.

Another piece of wacky news from Sunday's games came from Brian Daubach, who, in the offseason, changed his sock color from red to white. In the second inning, Carlos Lee broke for second with Daubach on third. After Tony Graffanino was called out on strikes, A.J. Pierzynski threw to second to try to get Lee out. Right when Pierzynski threw the ball, Daubach took off for home and reached safely, marking only the fifth stolen base of his career. Bill Corbett, Professor of Writing and Humanistic Studies, remarked, "He'd have to take off on Tuesday if he wanted to score on Thursday."

On Tuesday, the Toronto Blue Jays actually sold out a game. How did this happen, you ask? Owner Rogers Communications (a company name, not a person's name) bought all the tickets for the game and resold them all for just \$1 Canadian to show the world that SARS isn't as big of a threat in Toronto as the world thought. 48,097 fans showed up to watch an offensive showdown as the Texas Rangers defeated the Jays 16-11.

One more fun tidbit from the past week was the awesome pitching performance by Gil "Ga" Meche of the Seattle Mariners. He came into Yankee Stadium and blanked the Bronx Bombers. Is there anything better than watching the Yankees lose? Actually, watching Roger Clemens be denied his 298th win and the Yankees lose is better.

Fantasy Report

Why is it that all the people to go on the disabled list last weekend are on my fantasy team? Tony Armas, Jr. has a strained right rotator cuff. Dave Roberts strained his right hamstring and is listed as day-to-day. Milton Bradley also strained his right hamstring passing Go. Paul Shuey sprained his right knee. Brandon Phillips bruised his right hand while trying to break up a double play. All of this happened in a matter of hours.

I know some of you are wondering why losing these guys for two weeks will be a problem because some of you claim they are all subpar anyway. In the meantime, I had to pick up Braden Looper, Joe Borowski, Eric Byrnes, Ramon Hernandez, and Corey Patterson to fill the spots temporarily. Why doesn't Soriano or A-Rod or Ra-Jo get injured again?

I'd also like to send out a personal note of hatred to Scott Rolen. Scott, I hate you. The past week and a half you did nothing but crap. Your average was below .100, and you produced only singles the few times you made contact with the ball. This freak in my league who has some sick obsession with you traded me Albert Pujols and Jason Kendall for you, so I was much obliged. Suddenly, the first day after the trade takes place, you go two for five, score two runs, knock in four, and steal a base. Scott and Kevin, I hate you.

Jano Awards

Batting: Carlos Delgado of the Toronto Blue Jays. This past week, Delgado's been on a tear, batting .526, scoring seven runs, hitting three home runs, and knocking home nine. All of these stats came from just five games the past week, and he's looking to improve his numbers even more. Honorable mention: Carlos Beltran of the Kansas City Royals for his inside-the-park home run Tuesday night at Fenway.

Pitching: Kevin Millwood of the Philadelphia Phillies. What more can I say that hasn't been said already. Stellar work. Honorable Mention: Lance Carter of the Tampa Bay Devil Rays.

Utility: Brian Anderson and Carl Sadler of the Cleveland Indians. During the beginning part of the Indians' losing streak, Anderson and Sadler were sitting in a bar after a loss when they noticed a woman's purse get stolen. They immediately looked at each other and took off after the thief. Jumping between cars and over trash cans, Anderson and Sadler finally caught up to the thief and retrieved the purse. Hey, Brian, don't you have a pulled hamstring? Honorable Mention: Nomar Garciparra of the Boston Red Sox.

Boner of the Week: Miguel Tejada of the Oakland Athletics. With the worst average in the majors of everyday players, Tejada is just playing awfully. Everywhere the A's go nowadays, Tejada strikes out amid sarcastic cheers of "MVP" from opposing fans. You'll pick it up soon, or else you'll pick it up in AAA. Honorable Mention: Armando Benitez of the New York Mets. I keep trying to find someone else to win this award, but you keep sucking so much that you deserve it every week.

UPCOMING HOME EVENTS

Friday, May 2

Women's track at New England Division III Championships, 10 a.m.

Saturday, May 3

Women's lacrosse, Alumnae Game, 11 a.m.

Women's tennis at NCAA Division III Tournament, TBA

Women's track at New England Division III Championships, 10 a.m.

Men's tennis vs. Williams College, 1 p.m.

Write for sports! join@the-tech.mit.edu