

Striking a Balance In TEAL: Whether To Learn Or Inspire

By Yi Zhou
STAFF REPORTER

Three years since the first student outcry was raised against the large-scale implementation of 8.02T, Technology Enabled Active Learning (TEAL) has endured as the predominant format for teaching the required 8.01 (Physics I) and 8.02 (Physics II) classes.

Many hours have gone into the effort to move the electricity and magnetism class away from the lecture hall and into a more active learning environment.

TEAL pioneer Professor John W. Belcher, an 8.02 lecturer when he conceptualized TEAL, felt that large, introductory-level lectures were “a lousy way to teach ... Every evening before class I would go to 10-250 to write my lectures on the board” only to have less the half the class show up the next morning.

Belcher, along with Lecturer Peter Dourmashkin '76 and Professor J. David Litster PhD '65, looked toward “active learning” as the solution, designing TEAL, a class that would increase attendance, encourage student interaction, and incorporate visualizations and experiments.

But after all the effort that went into creating and then improving the class, the emerging question is whether learning gains from TEAL outweigh the strong dissatisfaction most students have with the format, and by association, the subject.

Even Belcher, who has since decoupled from the program, has his doubts after receiving more criticism than praise. “I’m burnt out,” he says. “Why did I spend 60 hours a week for the past five, six years” on TEAL when this “is not the kind of research that’s respected at this Institute? The reason I do this is altruism.”

Most students do not bother to hide their dislike for TEAL. Their list of grievances is long and oft-repeated: the physical set-up of small tables makes it difficult to see the lecturer, the numerous homework assignments are tedious, the in-class problems are gone over too quickly, the students strong in physics end up doing all the work, and so on.

There is a sense among the faculty that many of the complaints come from misinformation and are often unfounded. Because electricity and magnetism is a challenging subject, students tend to misplace their frustration with the material on the format of the class, Dourmashkin said.

TEAL, Page 11

Community, Energy Priorities for Hockfield

Addressing UA Senate, President Focuses on Community Within, Beyond Undergrad Living Groups

By Benjamin P. Gleitzman
ASSOCIATE NEWS EDITOR

President Susan Hockfield addressed the Undergraduate Association Senate last night to highlight MIT’s efforts regarding community and energy, two themes of her May 2005 inaugural address that have since become pillars of her administration.

Also at the meeting, the Senate elected officers for the coming year and voted on constitutional amendments proposed at the previous meeting. Results from the earlier votes yesterday can be found on page 10.

During a short introductory speech, Hockfield first expressed a desire to combat “the virtual wall that runs down Massachusetts Avenue” separating living and learning.

“We’re doing what we can to bridge that divide,” said Hockfield, who pointed toward her monthly meetings with student leaders to gather input and suggestions regarding the student community. Hockfield then spoke about the MIT Energy Forum held last Tuesday that drew more than 800 people, a measure that helped “contribute to solving the world’s energy challenges.”

During a question and answer session following her address to the UA, Hockfield commented on the perceived separation between graduating seniors and recent graduates. Hockfield said over spring break, she met with alumni from many states who expressed a desire to be more engaged with the undergraduate community.



DAVID TEMPLETON—THE TECH

President Susan Hockfield answers questions during the UA Senate meeting yesterday evening as Tulasi Khandan '06 takes notes.

Also mentioned were on-campus dining and mandatory meal plans, specifically their effect on the micro and macro communities at MIT.

“The question is how you offer more dining in a way that is socially and economically feasible,” said Hockfield. “Some dining options in the last five years have been enormously successful while others are

less successful.”

Hockfield noted that only one on-campus location was available for her monthly meetings with students, and said that such restricted dining options along with MIT’s demanding work schedule “drive people into artificially frequent microcommunities.”

When questioned about her growing impressions of MIT since her last

address to the UA shortly after taking office, Hockfield said that MIT is “very similar to my original perceptions. I love the electricity in the hallways on the campus and around MIT.”

Hockfield also expressed her enormous respect for the students

UA Senate, Page 10

Cause of Building 13 Gas Leak is Unclear

By Marie Y. Thibault
NEWS EDITOR

The Cambridge Fire Department responded to the scene of a silane gas leak in Building 13 Friday afternoon. The building was evacuated for several hours as a result of the leak.

According to Michael F. Rubner PhD '86, director of the Center for Materials Science and Engineering, the leak was in Professor Eugene A. Fitzgerald’s laboratory in Building 13, room 13-5137. The silane gas, which can combust in air, did not cause any injuries or damages,

though it did lead to sparks, an MIT News Office press release stated.

A graduate student working in the laboratory pulled the fire alarm because, according to Rubner, “the very small leak of silane only produced a tiny flame that could not possibly set off the alarm.”

The laboratory where the leak occurred was examined by officials from Cambridge, the press release reported, and MIT’s Environment, Health and Safety Office was then put in charge of lab clean-up. The cause is currently under investigation, Rubner said.

Contrary to what was reported in the press release, the leak was not the first in the laboratory’s history. Another silane gas leak in Building 13 occurred in November 1999, also in Fitzgerald’s laboratory in 13-5137, according to a 1999 press release. In both cases, students working in the area pulled the fire alarm before evacuating the building.

While the leak was not the first in the laboratory’s history, no toxic gas has ever been detected in the laboratory, Rubner said, because in both cases, the leaks were too small to be detected by monitors.



BRIAN HEMOND—THE TECH

A Cambridge fireman returns to his truck following the activation of the Building 13 fire alarm. The alarm, which summoned the fire department’s Hazardous Materials team, two ladder trucks, and an ambulance, was pulled after a toxic gas leak.

Fewer Apply For Summer Housing This Year

By Hannah Hsieh
STAFF REPORTER

The number of applicants for summer housing this year dropped by over 25 percent to 716, down from over a thousand last year.

The decrease in applications means that supply will exceed demand this summer, as there are 905 spots available, an increase from the usual 800, because of decreased construction this summer.

The drop in housing applicants could be a result of fewer student researchers this summer or less Undergraduate Research Opportunities Program funding, according to Robin Smedick, assistant director of undergraduate, summer, and guest housing and Carl Bailey, the coordinator of the summer housing lottery. Another possibility might be that more students may be living in Fraternities, Sororities, or Independent Living Groups this summer, Smed-

Summer Housing, Page 13

In Short

¶ A town meeting on the GIRs will be held tomorrow from 3 to 5 p.m. in 32-123. Members of the task force charged with revamping the undergraduate General Institute Requirements will present their current recommendations and solicit feedback from students and faculty.

Send news information and tips to news@the-tech.mit.edu.



An interview with champion ballroom dancers.

Page 14

NEWS

Pulled OCW site is now back online againPage 12
Lilly loses patent lawsuit to Ariad, MIT, Harvard.Page 12

World & Nation..... 2
Opinion 4
Campus Life 5
Comics..... 6
Sports 14

WORLD & NATION

Bush Urges U.N. Hasten To Send Darfur Peacekeepers

By Joel Brinkley

THE NEW YORK TIMES

WASHINGTON

President Bush pressed the United Nations on Monday to speed up planning for the deployment of U.N. peacekeepers to Darfur.

The Security Council agreed in February to plan the deployment, to replace African Union forces. But the process appeared to stop two months ago, after Sudan refused visas to an assessment team.

In the meantime, violence has increased, and hundreds of people have been killed and thousands more driven from their homes.

In New York, John R. Bolton, the U.S. ambassador to the United Nations, said he had begun circulating a draft resolution that would require Secretary General Kofi Annan to complete the planning within 30 days.

Selection of the troops and their deployment could still take several months. About 7,000 African Union troops trying to keep the peace in Darfur have been ineffective.

Bush also said he had ordered two emergency shipments of food aid for the two million people living in refugee camps in Darfur and asked Congress to approve \$225 million in additional assistance.

Iraqis Are Close to Filling Several Top Posts

By Richard A. Oppel Jr.

THE NEW YORK TIMES

BAGHDAD, IRAQ

Iraqi political leaders made several minor breakthroughs toward forming a new government on Monday, but they said that a number of issues must be resolved before the prime minister-designate, Nuri Kamal al-Maliki, can announce his Cabinet and assume his role as the first full-term chief executive in the post-invasion government.

Al-Maliki, who was a Shiite hard-liner while serving in the national parliament but must now become a consensus builder who can bring together Shiites, Kurds and Sunnis, had vowed to assemble a cabinet by Tuesday. But by late Monday that appeared unlikely, several political leaders said, and they added that it could take until next week to form the new government.

A few of the more important jobs appeared to have been filled, said Khalid al-Atiya, a senior Shiite official and deputy speaker of parliament.

Al-Atiya said it appeared that the foreign minister would once again be Hoshiyar Zebari, a Kurd, and that Barham Saleh, another Kurd, would be a deputy prime minister. The other deputy prime minister would be a member of the largest Sunni Arab political bloc, the Iraqi Consensus Front, but no one had yet been named, he said.

A Strain of Mice Appears Able To Resist Cancer Cells

By Nicholas Wade

THE NEW YORK TIMES

Researchers at Wake Forest University possess a remarkable strain of mice. They appear to be resistant to injections of cancer cells that kill all ordinary mice. Even better, the researchers say, the immune system cells from these mice, when injected into nonresistant mice, will cure their cancers.

The researchers, led by Dr. Zheng Cui, are reporting this finding on Tuesday in The Proceedings of the National Academy of Sciences.

At a news conference last week, Cui and a colleague, Dr. Mark C. Willingham, speculated on the possibility of applying their findings to human patients.

They have named the animals S.R./C.R. mice. The designation stands for spontaneous remission/complete resistance mice. All are descendants of a BALB/c mouse, a standard laboratory strain, a batch of which arrived in Cui's laboratory in 1999 to be injected with a lethal strain of mouse cancer cells.

White House Moves to Quell Concerns About CIA Nominee

By Elisabeth Bumiller and Carl Hulse

THE NEW YORK TIMES

WASHINGTON

The White House moved forcefully on Monday to quell opposition from Republicans on Capitol Hill over the president's selection of a military officer, Gen. Michael V. Hayden, as the next director of the Central Intelligence Agency.

In announcing his choice from the Oval Office, Bush declared that Hayden, who wore his Air Force uniform for the occasion, had "vast experience" and was "the right man to lead the CIA at this critical moment in our nation's history." Porter J. Goss, the current CIA director, was forced out of the position on Friday.

Within 90 minutes of Bush's announcement, John D. Negroponte, the director of national intelligence and Hayden's immediate superior, told reporters in an unusual White House briefing that Hayden would be independent of the Pentagon and that the Navy admiral who was Goss' deputy would be moving aside.

Negroponte said that a civilian, Stephen R. Kappes, was under se-

rious consideration for the deputy spot. Kappes, who is highly regarded by CIA officials, left the agency in 2004 after clashing with Goss.

In another sign that the White House was trying to make the change in CIA leadership politically palatable to Congress, the agency's No. 3 official, Kyle Foggo, told colleagues in an e-mail message on Monday that he, too, was stepping down.

Foggo, a longtime administrative officer at the agency, had been promoted by Goss.

Foggo's conduct has come under scrutiny by the agency's inspector general and, more recently, by the Federal Bureau of Investigation, because of his friendship with a defense contractor implicated in the bribery of former Rep. Randy Cunningham. Cunningham was sentenced in March to more than eight years in prison for taking more than \$2.4 million in bribes from military contractors.

White House officials said they wanted to have confirmation hearings before the Senate Intelligence Committee completed and Hayden confirmed before Goss leaves his

post on May 26. But Sen. Pat Roberts, the Kansas Republican who is chairman of the intelligence committee, said only that he hoped to have the hearings begin before May 26, the last scheduled day of the congressional session before a weeklong recess following Memorial Day.

"I want to do it right, I want to be thorough," Roberts said.

White House officials, who in the past have relished fights with Democrats over national security and said they welcomed the coming confrontation over Hayden, began their offensive early Monday, well before Bush's 9:30 a.m. announcement. Their message was that Hayden would not be beholden to the military or Defense Secretary Donald H. Rumsfeld, who has aggressively sought to expand the Pentagon's role in intelligence gathering.

"Make no mistake, when he steps in as head of the Central Intelligence Agency, he will not be reporting to Don Rumsfeld," Stephen J. Hadley, the national security adviser, said on the "Today" program on NBC. "He will be working with John Negroponte and reporting to the president of the United States."

Iran's President Writes to Bush About Nuclear Program Crisis

By Steven R. Weisman

THE NEW YORK TIMES

UNITED NATIONS

In a diplomatic overture that was immediately dismissed by the United States, President Ahmad Ahmadinejad of Iran sent a lengthy letter to President Bush over the weekend offering what an Iranian spokesman called "new ways" to resolve the crisis over Iran's nuclear program.

The letter, described in Tehran as the first direct communication from an Iranian leader to an American president since 1979, was said by the spokesman to analyze "the roots of the problems" with the West. But American officials said it was a meandering screed that proposed no solutions to the nuclear issue.

"This letter isn't it," Secretary of State Condoleezza Rice said in

an interview with The Associated Press in New York. "This letter is not the place that one would find an opening to engage on the nuclear issue or anything of the sort. It isn't addressing the issues that we're dealing with in a concrete way."

American officials said the letter, which was not released, was 16 pages in Persian and 18 pages in an English translation that Iran provided. The officials said the letter offered a philosophical, historical and religious analysis of Iran's relationship to the West, and asked questions about the cost to the world of the establishment of Israel, while another section asserted that Western-style democracy had failed humanity.

Some American officials said the letter appeared to be aimed at disrupting talks on Iran among top envoys of the United States, Brit-

ain, France, Germany, Russia and China. The U.S. ambassador to the United Nations, John R. Bolton, suggested Iran was throwing "sand in the eyes" of diplomats.

The officials were granted anonymity because they were not authorized to discuss the letter.

Rice met Monday with her counterparts from five countries at a dinner to discuss Iran, but the indications were that the United States and the Europeans remained at odds with Russia and China.

She is to address the Security Council on Tuesday on American recommendations to implement the accord to end the war in Sudan.

Another urgent matter on her agenda was the Middle East, where there appeared to be a growing difference of view between the Bush administration and some European allies.

WEATHER

A Break in the Sunny Spring

By Roberto Rondanelli

STAFF METEOROLOGIST

The gorgeous string of sunny spring days will come to an abrupt end today as the low pressure south of Massachusetts will bring moist oceanic air in the form of drizzle and rain. The situation looks very similar to what it was Tuesday and Wednesday last week. The surface low associated with the trough in the upper levels (shown as a thick dashed line) will be deepening until tomorrow, and affecting us until late that day. After the low moves out of our region, our good luck won't be back just yet. After a 12 to 24 hours rest, a second trough, which today can be seen over Montana and Wyoming, will have moved and deepened over our region, most likely by Thursday afternoon, by which time the weather pattern looks very stationary and three more days of rainy weather are not out of the question. Air temperature again will be dominated by the temperature of the sea, as air will be mostly advected from the east. Thursday and Friday will see some southerly wind, increasing temperatures up to the lower 60's °F.

Extended Forecast

Today: Mostly cloudy. Breezy. Rain likely this afternoon. High 56°F (13°C).

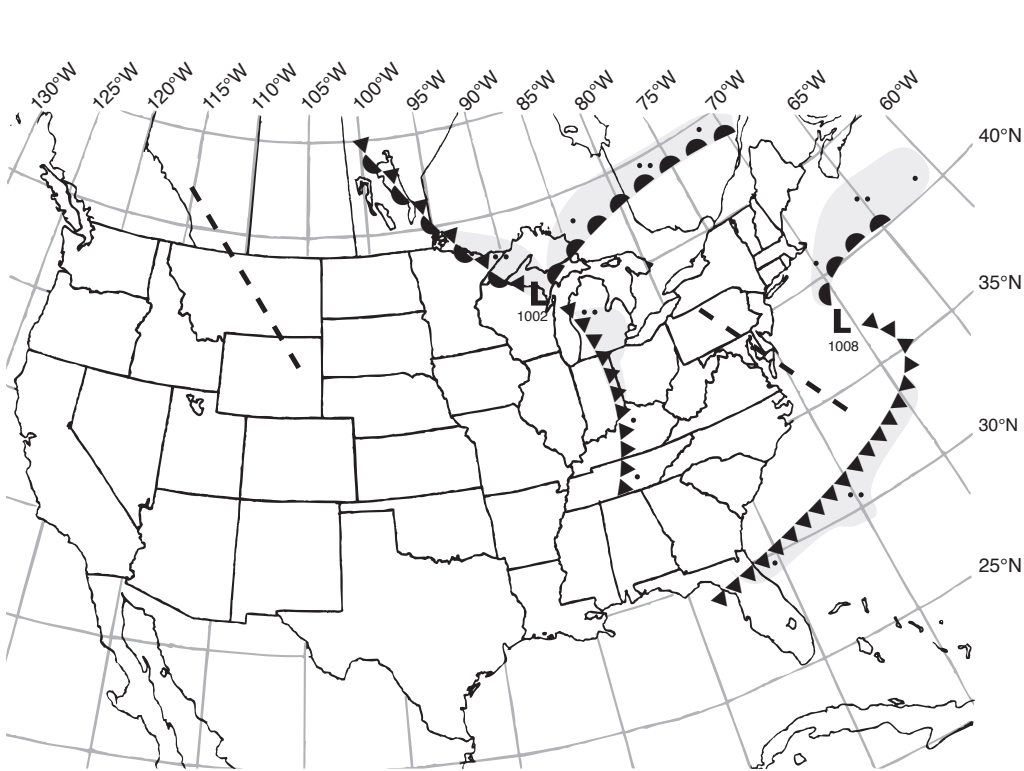
Wednesday: Rain mostly in the morning. Then mostly cloudy and chance of rain and drizzle. Low 48°F (9°C) . High 54°F (12°C).

Thursday: Mostly cloudy. Rain showers are likely in the afternoon. Low 48°F (9°C) High 60°F (16°C).

Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	- - - Trough	Snow * Showers * Light * Moderate ** Heavy ***	Fog Thunderstorm Haze
L Low Pressure	—▲— Warm Front		
§ Hurricane	▲▲▲ Cold Front		
	—▲— Stationary Front		

Compiled by MIT Meteorology Staff and The Tech

Situation for Noon Eastern Daylight Time, Tuesday, May 9, 2006



Rep. Ney’s Former Aide Admits To Cooperation With Abramoff

By Philip Shenon
THE NEW YORK TIMES

WASHINGTON

A former top aide to Rep. Bob Ney, Republican of Ohio, pleaded guilty on Monday to conspiring with the lobbyist Jack Abramoff to corrupt public officials.

In court papers, the former aide, Neil G. Volz, said that gifts were “corruptly offered to and accepted by” Ney, including a 2002 trip to Scotland by private jet that included rounds of golf at the fabled course at St. Andrews.

The plea agreement made clear that Ney, a six-term House member who is facing a re-election fight this year because of his ties to Abramoff, remains a central focus of the Justice Department’s influence-peddling investigation.

Volz, 35, who was Ney’s chief of staff from 1998 to 2002, faces up to five years in prison and a \$250,000 fine as a result of his guilty plea to one count of criminal conspiracy. Abramoff, who was once among the most powerful Republican lobbyists in Washington and who recruited Volz to join his lobbying firm in 2002,

pleaded guilty to broader corruption charges in January.

Ney was not identified by name in Volz’s plea agreement, which was filed in U.S. District Court in Washington.

But lawyers for Ney acknowledged that he was the House member identified in the plea agreement as “Representative #1.” He is accused with other members of his staff of accepting gifts from Abramoff’s lobbying firm, including the trip to Scotland and trips to New Orleans and the 2003 Fiesta Bowl in Tempe, Ariz., as well as free meals and drinks at Washington restaurants and use of Abramoff’s box suites at the MCI Center sports arena in Washington and Camden Yards stadium, home to the Baltimore Orioles.

The plea agreement charged that “Representative #1 and others performed official acts at the behest of Abramoff and others, which were motivated in part by the things of value received,” suggesting bribery.

The court papers offered a long list of actions taken by Ney to help Abramoff, including meeting with his Indian tribe clients and promising to introduce legislation to benefit their

gambling operations.

Volz acknowledged in the plea agreement that he began accepting illegal gifts from Abramoff while he was working in the House, and that as a result he did several official favors for the lobbyist, including having Ney place statements into the Congressional Record that were helpful to Abramoff in pursuing his purchase of a fleet of casino boats in Florida.

In a statement released by his House office, Ney said, “I have always considered Neil Volz my friend” and “I am very saddened to see what happened today.”

Ney’s spokesman, Brian Walsh, said in a separate statement that the plea deal with Volz was “thin at best” and that “the congressman is more confident than ever that he will be vindicated in this matter.” Walsh said that “if Neil crossed an ethical line, he did so without congressman Ney’s knowledge.”

Ohio Democrats have seized on Ney’s relationship with Abramoff in seeking the lawmaker’s defeat, and he is considered one of the most vulnerable Republicans in congressional elections this year.

U.S. Subpoenas Newspaper For Sources in Steroid Case

By Adam Liptak

THE NEW YORK TIMES

In the latest effort by the government to learn the identities of reporters’ confidential sources, the U.S. attorney in Los Angeles issued grand jury subpoenas to *The San Francisco Chronicle* and two of its reporters on Friday. The relative ordinariness of the case, which arose out of reporting on steroid use in baseball rather than on covert operatives, domestic eavesdropping or secret prisons, may make its outcome instructive.

As a practical matter, the case will answer whether, after a series of recent setbacks, reporters retain any rights to protect their confidential sources in federal court.

Phil Bronstein, the editor of *The Chronicle*, said the paper would move to quash the subpoenas.

Whether it succeeds will turn in large part on which of two competing approaches the courts adopt. Both were represented last year in a federal appeals court’s decision that sent Judith Miller, then a reporter for The New York Times, to jail in an investigation centering on the disclosure of the identity of Valerie Wilson, an officer of the Central Intelligence Agency.

The three appeals judges who heard that case agreed that a 1972 decision of the U.S. Supreme Court, *Branzburg v. Hayes*, ruled out any First Amendment protections for reporters from federal grand jury subpoenas except in cases of prosecutorial harassment.

But one judge, David S. Tatel, proposed an alternative approach rooted in the federal common law of evidence rather than the First Amendment. A similar test is part of a proposed federal shield law likely to be introduced in the Senate shortly.

U.N. Aid Workers Are Said To Abuse Girls

By Sarah Lyall

THE NEW YORK TIMES

LONDON

Liberian girls as young as 8 are being sexually exploited by U.N. peacekeepers, aid workers and teachers in return for food, small favors and even rides in trucks, according to a new report from Save the Children U.K.

The report said the problem was widespread throughout Liberia, a small country struggling to get back on its feet after a long and bloody civil war.

Save the Children based its findings on interviews with more than 300 people in camps for displaced people and in neighborhoods whose residents have returned after being driven away by war. They said men in positions of authority — aid workers and soldiers, government employees and officials in the camps — were abusing girls.

“All of the respondents clearly stated that the scale of the problem affected over half of the girls in their locations,” the report said. “The girls reportedly ranged in age from 8 to 18 years, with girls of 12 years and upward described as being regularly involved in ‘selling sex,’ commonly referred to as ‘man business.’”

Save the Children is an international nonprofit aid organization which originated in Britain in 1919. Its affiliates in 27 countries operate in 111 nations.

In Search of Winning Themes, Democrats Debate Their Identity

By Robin Toner

THE NEW YORK TIMES

WASHINGTON

With Democrats increasingly optimistic about this year’s midterm elections and the landscape for 2008, intellectuals in the center and on the left are debating how to sharpen the party’s identity and present a clear alternative to the conservatism that has been dominating political thought for a generation.

Many of these analysts, both liberals and moderates, are convinced that the Democrats face a moment of historic opportunity. They say that the country is weary of war and division and ready — if given a compelling choice — to reject the Republicans and change the country’s direction. They argue that the Democratic Party is, in many ways, showing signs of new health: intense party discipline on Capitol Hill, a raft of policy proposals and an energized base.

But some of these analysts argue that the party needs something more than a pastiche of policy proposals. It needs a broader vision, a narrative, they say, to return to power and govern effectively — what some describe as an unapologetic appeal to the “common good,” to big goals like expanding affordable health coverage and to occasional sacrifice for the sake of the nation as a whole. This emerging critique reflects, for many, a hunger to move beyond the carefully calibrated centrism that marked the Clinton years, which was itself the product of the last major effort to redefine the Democratic Party.

Two Experts Denounce Bird Flu TV Movie as Unrealistic

By Donald G. McNeil Jr.

THE NEW YORK TIMES

“Fatal Contact,” Tuesday night’s ABC movie about bird flu reaching the United States, has been denounced as medically unrealistic by two prominent flu experts who have seen it, one of whom is the film’s technical consultant.

While much of the film follows conventional wisdom about how a pandemic might unfold, scenes of blood spouting from victims, bodies dumped in mass graves and the suggestion that the virus could mutate until it is 100 percent fatal were “over the top,” both said.

With interest in avian flu intense — the White House issued the second part of its pandemic plan last week — health officials are worried about the effect on the public.

“It’s unfortunate that a lot of people may be scared by it,” said Thomas W. Skinner, a spokesman for the Centers for Disease Control and Prevention who has seen the film. “But the best antidote for fear is information, and if it makes people get more up to speed on pandemics, that’s a good thing.”

On Monday, two flu experts who were involved early in the film’s production held a telephone news conference to criticize it.

After Shootout, Palestinians Seek To Calm Infighting, Lessen Tension

By Greg Myre

THE NEW YORK TIMES

JERUSALEM

The main Palestinian political parties, Hamas and Fatah, sought to reduce tensions on Monday after a predawn shootout in the southern Gaza Strip left three of their members dead and 10 people wounded in the worst internal Palestinian violence since the Hamas-led government came to power.

Members of the two factions have battled periodically since the militant Islamic group Hamas won the Palestinian elections in January, ending decades of political dominance by Fatah, the party of the Palestinian Authority president, Mahmoud Abbas. But the clash on Monday was the most heated so far.

The Palestinian prime minister, Ismail Haniya, a leader of Hamas, said he had “issued necessary measures to end the bloodshed and tension.”

Fatah leaders, including Azzam al-Ahmad, who leads the faction in parliament, called for calm.

On Saturday, Abbas and Haniya met in Gaza City, and the two were expected to hold further talks on the

friction between their rival parties and the worsening Palestinian financial crisis.

Each side blamed the other for the trouble that began before dawn on Monday. Fatah gunmen kidnapped several members of Hamas in a farming village outside Khan Yunis in southern Gaza, Hamas officials said. At about the same time, Hamas members kidnapped several Fatah men. Gun battles broke out soon after, with Hamas members firing an anti-tank rocket at Fatah gunmen in a jeep, according to witnesses and the Palestinian security forces.

When the shooting ended around daybreak, two Fatah members and one Hamas member were dead. Most of the wounded were civilians who had been caught in the crossfire, Palestinian security officials said.

In the West Bank city of Ramallah on Monday, the offices of the Palestinian parliament caught on fire, forcing an evacuation of the building. The blaze was apparently caused by an electrical problem, officials said, and no one was injured.

Meanwhile, a World Bank report issued Monday said that international

aid to the Palestinian Authority had dropped more sharply than anticipated, and that 2006 may become “the worst year in the West Bank and Gaza’s dismal recent economic history.”

The Palestinians have depended heavily on foreign aid, which has totaled about \$1 billion annually in recent years. But since Hamas came to power in March, the United States, the European Union and Israel have all suspended direct payments to the Palestinian Authority.

The World Bank report warned that the Palestinian Authority’s continued inability to pay government salaries “could precipitate breakdowns in discipline among the Palestinian security forces, making it difficult for government, commerce and relief efforts to operate.”

“Complex structures such as school systems are not machines to be switched on and off at will,” the report added.

In a letter to the so-called quartet of international peace mediators — the United States, the European Union, the United Nations and Russia — Abbas called on Monday for international aid to resume.

Warner Brothers Plans to Sell Films On Internet Using BitTorrent Software

By Julie Bosman
and Tom Zeller Jr.

THE NEW YORK TIMES

Warner Brothers plans to announce Tuesday that it will make hundreds of movies and television shows available for purchase over the Internet using BitTorrent software, which is widely used to illegally download movies and other copyright material.

The agreement between Warner Brothers and BitTorrent is an unusual deal between a major Hollywood studio and a company whose file-sharing technology has raised the ire of the movie industry in the past.

For its part, Warner Brothers says it is trying to stem the piracy of movies on the Internet by offering consumers an easy and fast way to download movies legally.

“We’ve been struggling with peer-to-peer technology and trying to figure out a way to harness the good in all that the technology allows us to do,” said Kevin Tsujihara, the president of Warner Brothers Home Entertainment Group.

“If we can convert 5, 10 or 15 percent of the illegal downloaders

into consumers of our product, that is significant.” A spokeswoman for Warner Brothers declined to disclose the terms of the deal.

The service will begin sometime this summer, with prices beginning at about \$1 for some television programs and increasing to about the price of a DVD or video rental for full-length movies.

The initial offerings will include movies like “Harry Potter and the Goblet of Fire,” “Rumor Has It” and “Natural Born Killers.” The television shows will include older fare like “The Dukes of Hazzard” and “Babylon 5.”

To use the service, consumers will visit www.bittorrent.com, download the software and then browse the selections on the Web site. They will be prevented from copying and distributing the files they purchase through two mechanisms: One that requires them to enter a password before watching a file, and another that allows the file to be viewed only on the computer to which it was downloaded.

Online piracy has become increasingly vexing for Hollywood studio executives as faster Internet connec-

tions have made it easier to copy large movie files. A study commissioned by the Motion Picture Association of America concluded that piracy cost the studios about \$2.3 billion in revenue in 2005.

BitTorrent, which is widely used by college students and other tech-savvy people, has legitimate uses, offering a way for creators of video documentaries or of open-source software to share their work easily and cheaply. But it is best known as a tool for illegal downloading.

For example, at any given moment in the week ending May 2, an average of 47,069 people were downloading the movie “The Chronicles of Narnia” using BitTorrent, according to Big-Champagne Media Measurement, an online market research firm in Beverly Hills, Calif. “Scary Movie 4,” which hit theaters just last month, was being downloaded by an average of 37,287 people in that week.

“There’s a significant amount of peer-to-peer usage, which takes place because not many online options exist,” said Ashwin Navin, the president and co-founder of BitTorrent.

OPINION

Experiencing ‘United 93’



Chairman
Zachary Ozer '07

Editor in Chief
Jenny Zhang '06

Business Manager
Jeffrey Chang '08

Managing Editor
Michael McGraw-Herdeg '08

NEWS STAFF

Editors: Kelley Rivoire '06, Marissa Vogt '06, Marie Y. Thibault '08; **Associate Editors:** Benjamin P. Gleitzman '09, Angeline Wang '09; **Staff:** Curt Fischer G, John A. Hawkinson '98, Brian Keegan '06, Waseem S. Daher '07, Ray C. He '07, Tongyan Lin '07, Hanhan Wang '07, Michael Snella '08, Jiao Wang '08, Daniela Cako '09, Mei-Hsin Cheng '09, Gabriel Fouasnon '09, Hannah Hsieh '09, Diana Jue '09, Laura Nicholson '09, YINUO Qian '09, Kirtana Raja '09, Yi Zhou '09; **Meteorologists:** Cegeon Chan G, Robert Korty G, Jon Moskaitis G, Michael J. Ring G, Roberto Rondanelli G, Brian H. Tang G, Tim Whitcomb G, Angela Zalucha G; **Police Log Compiler:** Marjan Rafat '06.

PRODUCTION STAFF

Editors: Tiffany Dohzen '06, Austin Chu '08; **Associate Editor:** Rong Hu '08; **Staff:** Sie Hendrata Dharmawan G, Valery K. Brobbey '08, Emily Ko '08.

OPINION STAFF

Editor: Beckett W. Sterner '06; **Associate Editor:** Aditya Kohli '09; **Staff:** Hector H. Hernandez G, Barun Singh G, Josh Levinger '07, Ruth Miller '07, Justin Wong '07, Ali S. Wyne '08, Krishna Gupta '09.

SPORTS STAFF

Editors: Brian Chase '06, Travis Johnson '08; **Associate Editor:** Yong-yi Zhu '06; **Staff:** Chris Bettinger G, Caitlin Murray '06, Albert Ni '09.

ARTS STAFF

Editors: Jacqueline O'Connor '06, Nivair H. Gabriel '08; **Associate Editor:** Jillian Berry '08; **Staff:** Bogdan Fedeles G, Andrew Guerra '06, Yao-Chung King '06, W. Victoria Lee '06, Kapil Amarnath '07, Tony Hwang '07, Nikhil S. Nadkarni '07, Mirat Shah '08, Natania Antler '09.

PHOTOGRAPHY STAFF

Editors: Stephanie Lee '06, Christina Kang '08, Omari Stephens '08, Ricardo Ramirez '09; **Associate Editor:** Yun Wu '06; **Staff:** Melanie Miller G, Stanley Hu '00, Scott Johnston '03, Liang Hong '06, Grant Jordan '06, Edward Platt '06, Fred Gay '07, Dmitry Kashlev '07, Stephanie Dudzic '08, Scot Frank '08, Tiffany Iaconis '08, Nicole Koulisis '08, Mary-Irene Lang '08, David M. Templeton '08, Kenneth Yan '08, Connie Yee '08, Sally E. Peach '09, Eric D. Schmiedl '09, Yalu Wu '09.

CAMPUS LIFE STAFF

Editor: Bill Andrews '05; **Staff:** Bruce Wu G, Kailas Narendran '01, Sarah Buckley '06, Nikhil S. Shenoy '06, Elizabeth Zakszewski '06, Victor Cabral '07; **Cartoonists:** John David Payne G, Emezie Okorafor '03, Juan Pablo Mendieta '06, Josie Sung '06, Jia Lou '07, Ash Turza '08.

BUSINESS STAFF

Advertising Managers: Cokie Hu '08, Tai Ho Kang '08; **Operations Manager:** Jennifer Wong '07; **Staff:** Fan Yu '06, Julia Ye '09.

TECHNOLOGY STAFF

Director: Shreyes Seshasai '08.

EDITORS AT LARGE

Contributing Editors: Rosa Cao G, Brian Hemond G, Kevin G. Der '06; **Senior Editors:** Keith J. Winstein G, Jina Kim '06, Lucy Li '06.

ADVISORY BOARD

Paul E. Schindler, Jr. '74, V. Michael Bove '83, Barry Surman '84, Robert E. Malchman '85, Deborah A. Levinson '91, Jonathan Richmond PhD '91, Saul Blumenthal '98, Frank Dabek '00, Ryan Ochylski '01, Satwiksai Seshasai '01, Rima Arnaout '02, Eric J. Cholanckeril '02, Jordan Rubin '02, Nathan Collins SM '03, Akshay R Patil '04, Jyoti Tibrewala '04, B. D. Colen.

PRODUCTION STAFF FOR THIS ISSUE

Editor: Michael McGraw-Herdeg '08; **Staff:** Austin Chu '08.

The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer by The Tech, Room W20-483, 84 Massachusetts Avenue, Cambridge, Mass. 02139. Subscriptions are \$45.00 per year (third class) and \$105.00 (first class). Third class postage paid at Boston, Mass. Permit No. 1. **POSTMASTER:** Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029. **TELEPHONE:** Editorial: (617) 253-1541. Business: (617) 258-8324. Facsimile: (617) 258-8226. *Advertising, subscription, and typesetting rates available.* Entire contents © 2006 *The Tech*. Printed on recycled paper by Charles River Publishing.

Dennis Porche

We saw “United 93” the day it opened because there would be no later chance. We bought tickets ahead of time online, paying extra. When we arrived at the AMC Common — Boston’s one block that feels like Manhattan — with still 40 minutes to go, I prayed silently, bound to my seat as to a tarmac, that for once we’d be spared the previews. But then wheeled in the mini-concessioner, the latest trick child labor candy youth in Coke red, charming us with his banter and last chances at dinner, plying us with rules and regs lest we be escorted out. I thought that — in our numbed anxiety — he might be in as much danger as a hijacker, but then the previews came on mercifully after all.

During the film some people around us ate buckets of popcorn. A few talked and moved more than usual. My wife got sick at the camera motion and had to go out a while. She said she’d return to a corner seat so as not to bother our neighbors again. Others made a steady stream downward to depart more permanently perhaps, or just to walk around in a daze. It was like the

wanderings you see at an outdoor concert, but we were really taking each other in. This was like no viewing. Except maybe of the dead in a warp of replay.

Viewing “United 93” can barely be considered like seeing a film, drama or documentary. Reviewers recommend it as a “must-see,” but while true that feels “not right.” References to *Hollywood* and *studio* mean nothing. The film

*This was like no viewing.
Except maybe of the dead
in a warp of replay.*

not only returns us to 9/11, but to the pre-rhetorical. There’s no war on terror, no usages like “evil,” no reasons or justifications, and thankfully no aerial postscripts of rubble to move us one way or another. Word is out that more 9/11 films are soon to follow, commemorating the fifth year, with one by Oliver Stone no less. If there are deities to praise I’d thank them that

this one came out the first!

9/11 is still fully with us. For events receiving so many visions and pronouncements, 9/11 has found no rest or even context. Osama is still very much out there, and any sense of future, with our new wars since, remains as unknowable and unfathomable as figuring out what to do that day. What United 93 graced me with, however, was the right to return to the day itself. A day when people — controllers brass passengers and hijackers — were each in their space as terrified, possessed, forlorn, killing and dying outside or in, every bit like the one in the next seat over. The film attempts no message, thankfully. But perhaps at that moment, when praying to Allah or to Jesus or to Other, cockpit to cabin, some in fanatical craze, others in resolve — well — one might just raise one’s head and look across and reach that very way, toward them the unthinkable, too.

Last week’s deliberation on Zacarias Moussaoui may well mark the first worthy bracket to that morn, which by this viewing appears to have gone nowhere since in our lives.

Dennis L. Porche is a staff member in the Department of Mathematics.

Letters To The Editor

A Dissonant Tradition

Granted, a piano frozen in midair might look interesting as a front page photo in *The Tech*. Sure, the drop is “a long-lost MIT tradition [that has returned] in style from a seven-year hiatus to celebrate Drop Date and remind students to drop their classes” as described on the Baker House Web site at <http://baker.mit.edu/piano/>. However, I strongly disagree that an old piano “is only barely deserving of the name.” Publicly destroying a sacred instrument as a ritual is an inconsiderate, childish, and disgraceful act that reflects poorly on Baker House and the MIT community as a whole.

Dropping a piano is disrespectful, as pianos carry a sentimental value for many individu-

als. Many MIT students have played the piano at some point in their lives, and a fair number are still involved in music programs. Watching a piano drop does not “bring joy into [their] hearts.” Just because an instrument is old and arguably useless does not mean that it deserves to be ruthlessly pushed down a building.

I grew up in a family where money was tight, and there was no way my parents could have afforded piano lessons for me. Yet I was given the opportunity to learn because of someone who donated a huge beat-up piano. Although the piece of “junk” was out of tune by almost a half-step, missing several keys, and practically falling apart, I still practiced on it for almost five years. Buying and destroying a piano that might otherwise give someone

an opportunity in life is NOT “a beautiful act of charity.”

I am not trying to suggest that dorm funds are being spent meaninglessly, or that they should be allocated on service projects for underprivileged children. Instead, I am simply arguing that no matter how old and worthless a piano may appear, it should be respected and not pushed off the roof of Baker for the sake of amusement. For the sake of the piano, the people who built it, and the people who once played it, I believe that we need to move beyond a blindly followed tradition, and abolish the Piano Drop event altogether.

Yun Wu '06

Yun Wu is an associate photography editor for The Tech.

Corrections

The May 5 World & Nation section included an article from *The New York Times* about World Trade Center costs that had an incorrect headline. The headline should have been “Projected Cost of WTC Memorial Rises to Nearly 1 Billion.”

The May 5 Arts section interview with Cake trumpet player Vince DiFouri included incorrect information about the Digital Millenium Copyright Act. The DMCA does not forbid the recording of covers of existing songs.

THE ILLEGALS SHOULD
ALL BE ROUNDED UP AND
DEPORTED. THEY'RE ALL
FELONS...

BUT YOU'RE
AN ILLEGAL...

I KNOW... BUT I'M
EAGER TO ASSIMILATE.
PART OF BECOMING
AN AMERICAN IS
LEARNING TO HATE
PEOPLE LIKE US

Cartoon by
DANIEL BEATIE
© 2006
The Tech
All rights reserved.

Opinion Policy

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

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

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

Letters, columns, and cartoons must bear the authors’ signatures, addresses, and phone numbers. Unsigned letters will not be accepted.

The Tech reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. *The Tech* makes no commitment to publish all the letters received.

Guest columns are opinion articles submitted by members of the MIT or local community and have the author’s name in italics. Columns without italics are written by *Tech* staff.

To Reach Us

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

CAMPUS LIFE

Ask Nutty B!

By Bruce Wu
STAFF COLUMNIST

Nutty B is currently a graduate student at MIT who tries to give his two cents' worth on anything and everything. You know the drill! Please e-mail him with any questions, and give him an excuse to procrastinate at 3 a.m. Send all questions to askNuttyB@yahoo.com.

Dear Nutty B,
I have a crush on my professor. I think I find him attractive, but am confused and not sure what I should do. Should I get over it? Should I bring it up? How do I tell if he's even interested? Is it wrong for a guy to like his professor? Do you have any advice for me?

—Z Z

Dear Z Z,

Asking me that question is like asking me if it's normal to like turkey, chicken, or beef! Of course it's normal to find someone attractive, same gender or not. Why else do you think people would sign up for the Nutty B fan club? Is it wrong for a guy to like his professor? No. Should you bring it up? No! Confessing your true feelings and making your professor potentially scream and run away before you get your final grade is never a good idea. I am all about subtlety. If you have been trained like a true Geisha (or are simply as good as I am), then you can stop him with one look. If not, don't dread yet, since we've learned from Elle Wood in Legally Blonde that there's always the "bend and snap" trick. Trust me! If both fail, then, my dear, you are doomed!

My advice for you, as cruel as it is realistic, is to give it up. Get over it! I am sure someone more suitable for you and without all the complications will come. Heck, being the chocolate whore that I am, if you bring me enough chocolate, I might even let you stalk me!

Dear Nutty B,
I met this girl last summer when I was on vacation in China. I was single at the time, and we had a blast together. Since I came back during the past year I had a girlfriend, but we broke up a few months ago. The problem is that since the breakup I can't stop thinking about this girl from China and the great time we had. I even want to fly over just to see her. What do I do? Am I crazy?

—Heart broken

Dear Heartbroken,

What's going on? Why is everyone in love with everyone else these days? In one week I've got God only knows how many letters regarding this issue. Is it something in the air? If so, why has it given you people all these feelings but given me only allergies?

Do I think you should fly over just to see her, hoping to get back the good time you two had together? No. However, do I think you should fly over to see her, hoping to get away from this place and have yourself a good vacation? Yes. See the difference in expectation? The former is trying to get back something that has happened in the past, and the latter is trying to give yourself a break. Giving yourself a break is a great idea, but flying thousands of miles away for something totally unrealistic is not. Yeah, yeah, I know you're a hopeless romantic, but get over it! Well, it depends on what you are looking for, I suppose. If you are only trying to get a summer fling, as much as it goes against my moral principles, I would have to say I see nothing wrong. However, if you want to relive that experience in paradise, I would have to tell you that you might be disappointed.

I think you are merely exhibiting post-breakup symptoms. Why don't you let it all sit for a while and let time heal some of the wounds? Also, in the meantime, try to talk to this girl from China if you can (if you haven't already, get an IM account!). Perhaps through these conversations when you are not in a "vacation mode," you will see her differently, thereby preventing you from doing something silly. Good luck!

Gadget Review

Logitech Cordless Mini Optical Mouse

By Kailas Narendran
STAFF COLUMNIST

Pros

- A real mouse for your laptop
- Small & no wires
- Rock-bottom price

Con

- Dongle Required

The Lowdown

The Logitech Cordless Mini Optical Mouse is at the intersection of convenient laptop peripherals and the innovative design that Logitech is known for. Powered from a single AA battery, the mouse and dongle provide a wireless USB mouse solution for portable computing. The unique design provides a comfortable fit, great battery life, and a convenient, portable package that travels easily with your laptop.

Cool Design

As with all Logitech peripherals I've reviewed, this one delivers with an innovative design that centers on function and usability. The only downside I saw in this device was the requirement of a USB dongle for wireless functionality (rather than using or providing the option of Bluetooth®). On the upside, however, the dongle clips to the bottom of the mouse, ensuring that they travel in a small,

happy, family. Clipping the dongle to the bottom of the mouse also turns the mouse off, ensuring that you don't kill the battery and end up with a wireless paperweight (or loose the dongle, and end up with a full fledged paperweight).

The mouse itself is small enough to travel conveniently in a backpack or laptop case, while still being large enough to fill the palm of your hand (albeit smaller than your desktop mouse). The battery cleverly fills the volume of the body and is accessed by popping up the shell of the body. Every time you turn the mouse on (by unclipping the dongle), the battery indicator gives you a quick read of power status. I popped in a used AA battery and experienced hours of run time with no problems. For those of you that spring for the shoes to match your red laptop, you'll be thrilled to know you can get this mouse in an array of colors.

On top of the device's physical features, the usability is great. In addition to being a two-button mouse (but who isn't these days?), it features a tilt-pan wheel for giving your well-worn mouse innovation, that extra degree of freedom and functionality. Using the tilt/pan, however, does require installation of additional software (the mouse itself looks like a USB mouse and works out of the box). The sensitivity was great, working on everything from worn couch, to a glass table (somewhat



PROVANTAGE.COM
Logitech's innovative new wireless mouse is both convenient and relatively inexpensive. worn, though).

The Bottom Line

Perhaps the most incredible feature of this gadget is the price tag, ringing in at an MSRP of \$30! A quick Froogle search yielded prices as low as \$18, with a \$10 mail-in rebate, yielding a price you can't beat (rebate available April 1 to June 30, found at www.provantage.com on 4/17/06). You can find out more at <http://www.logitech.com>, and see a picture at <http://www.provantage.com/fullsize/LGTM027.jpg>.

Visual Imagery and its Cultural Implications

The Committee on Campus Race Relations (CCRR) is hosting a panel discussion to focus on the cultural implications of visual imagery. The panel will be moderated by Professor Melissa Nobles from the Department of Political Science.

The panelists are:

- Professor Sandy **ALEXANDRE**, Literature
- Professor David **CIARLO**, History
- Professor John **MAEDA**, Media Arts and Science
- Professor Nasser **RABBAT**, Architecture

Kirsch Auditorium, Stata Center

32-123

Thursday May 11, 2006

4:00pm

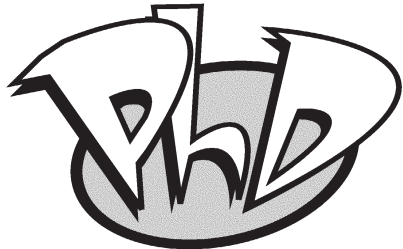
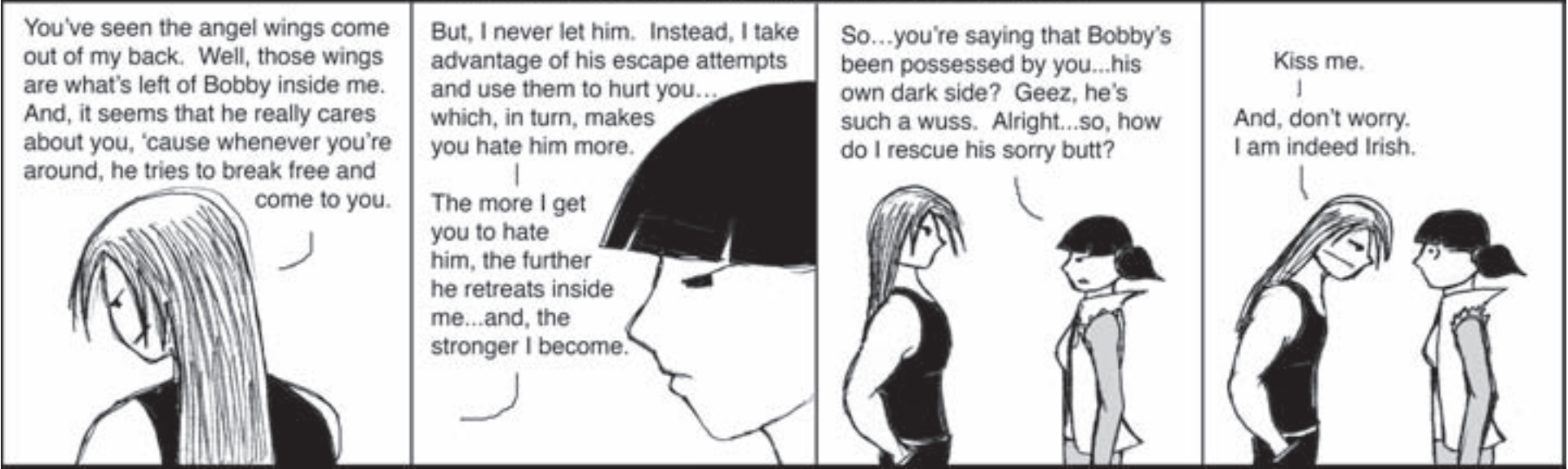
racerelations@mit.edu



Trio

TRIO comics archives: ALUM.MIT.EDU/WWW/EMIE

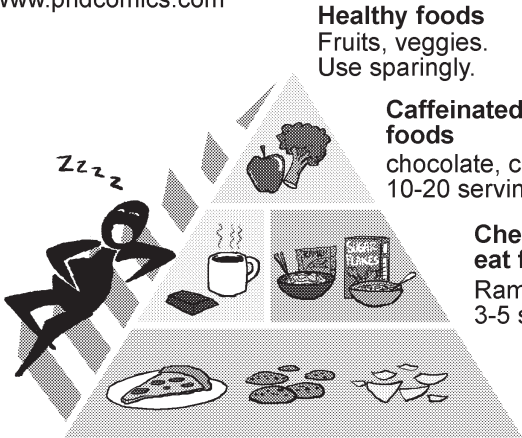
by Emezie Okorafor



PILED HIGHER AND
DEEPER



The NEW Grad School Food Pyramid
Steps to a cheaper you
www.phdcomics.com



The USDA is proud to present updated guidelines to better grad eating. The new GradPyramid™ is designed to encourage dietary choices that promote productivity, reduce the risk of major chronic laziness, and allow stipends to remain at a minimum.

Free food doesn't fit all. The new GradPyramid recommends different proportions of the four basic food groups depending on your stage in the PhD process:

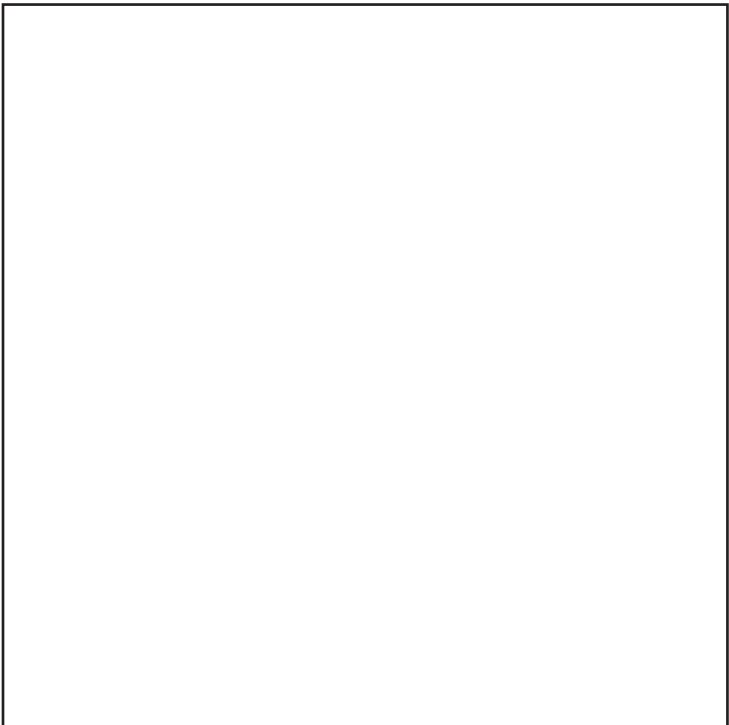
First years: take advantage of over-abundant Free Foods, but vary your pizza topping intake. Avoid cookies with raisins (it's fruit in disguise).

Years 2-3: Maintain a steady diet of sugar and caffeine for late night quals study sessions. Go easy on sleep, and limit daylight.

Years 4 and over: Aging bodies and empty wallets make bowl foods right for you. Choose cereals with cartoon characters on box and ramen sold in bulk. Be physically active at least once.

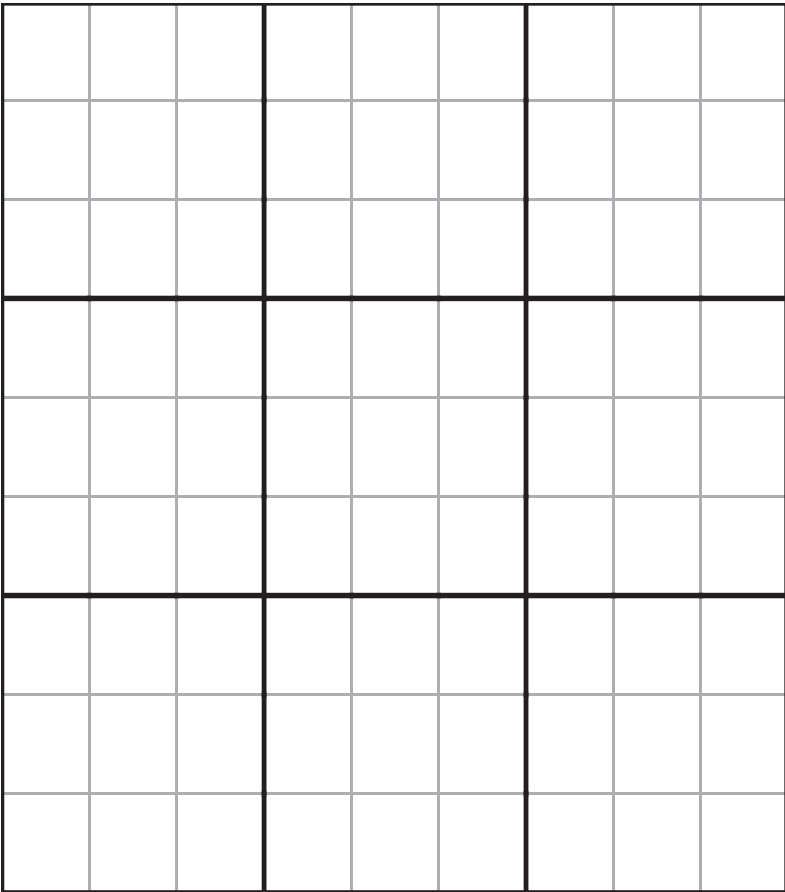
Crossword Puzzle

Solution, page 13

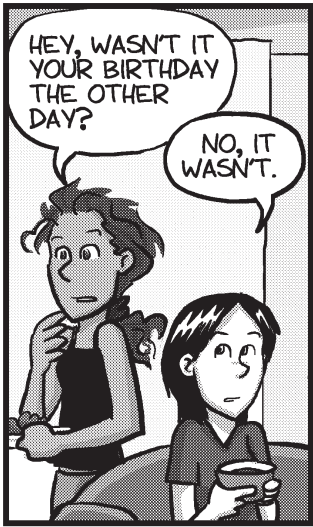
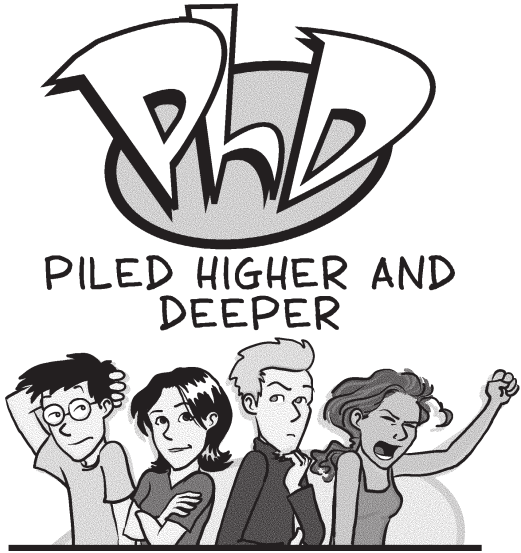


su | do | ku

© Puzzles by Pappocom



Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.
Solution, tips, and computer program at <http://www.sudoku.com>; see also solution, page 13.



www.phdcomics.com

FoxTrot by Bill Amend

Dilbert® by Scott Adams

MIT Dance Troupe

presents...

May 11-14, 2006

guilty



pleasures

**Tickets on sale this Week:
Monday & Friday in the Student Center
Tuesday-Thursday in Lobby 10**





Freshman Luke B. Johnson pitches his first collegiate win in his second-ever start on Friday, May 5 in the Engineers' 6-0 shutout of Suffolk University on Briggs Field. MIT baseball wrapped up its regular season on Saturday, splitting a double-header against Williams College with a 7-1 loss and 8-7 win (see page 14 for article). See page 10 for more photos of the Suffolk game.



Lee-Kai M. Wang '07 invites the audience to join the Toons in their performance of "Army," originally performed by Ben Folds Five. The MIT/Wellesley Toons Spring Concert, held in 10-250 last Friday afternoon, also featured performances by the Boston University BosTones.



David A. Blau '06 leads the fast heat of the men's 200 meter dash through the halfway point of the race. He finished 3rd in his heat and 4th overall. Springfield College hosted the New England Division III Track and Field Championships this past Thursday through Saturday. The MIT men's track and field team finished the meet in 3rd place, only half a point behind Tufts University, and the women's team finished 8th.



Steer
Roast
2006

DAVID TEMPLETON—THE TECH



The 43rd annual Steer Roast party was held this past weekend at Senior House. (Counterclockwise from top) Mud wrestlers compete in the Senior House courtyard on Friday, May 5. Although most of the mud wrestling went

without incident, play was temporarily halted for about a half-hour when a wrestler suffered a knee injury and was taken away in an ambulance. William W. Supplee '07, lead guitarist for the band Hong Kong Regulars, plays a guitar sporting part of the Se-

nior House motto. The other part is "Sport Death." A Steer Roast participant extinguishes a small fire on the meat moments after the lighting of the pit. The Hong Kong Regulars perform under colorful spotlights.



ERIC D. SCHMIEDL—THE TECH

ERIC D. SCHMIEDL—THE TECH



SCOTT JOHNSTON—THE TECH

Hockfield: Design of Orientation Needs Improvement

UA Senate, from Page 1

who pursue their work at the Institute with such seriousness. Hockfield noted that of last year’s graduating class, 86 percent had participated in the Undergraduate Research Opportunities Program. “I wish there was a little more celebration of the excitement and wonder of what goes on here,” said Hockfield.

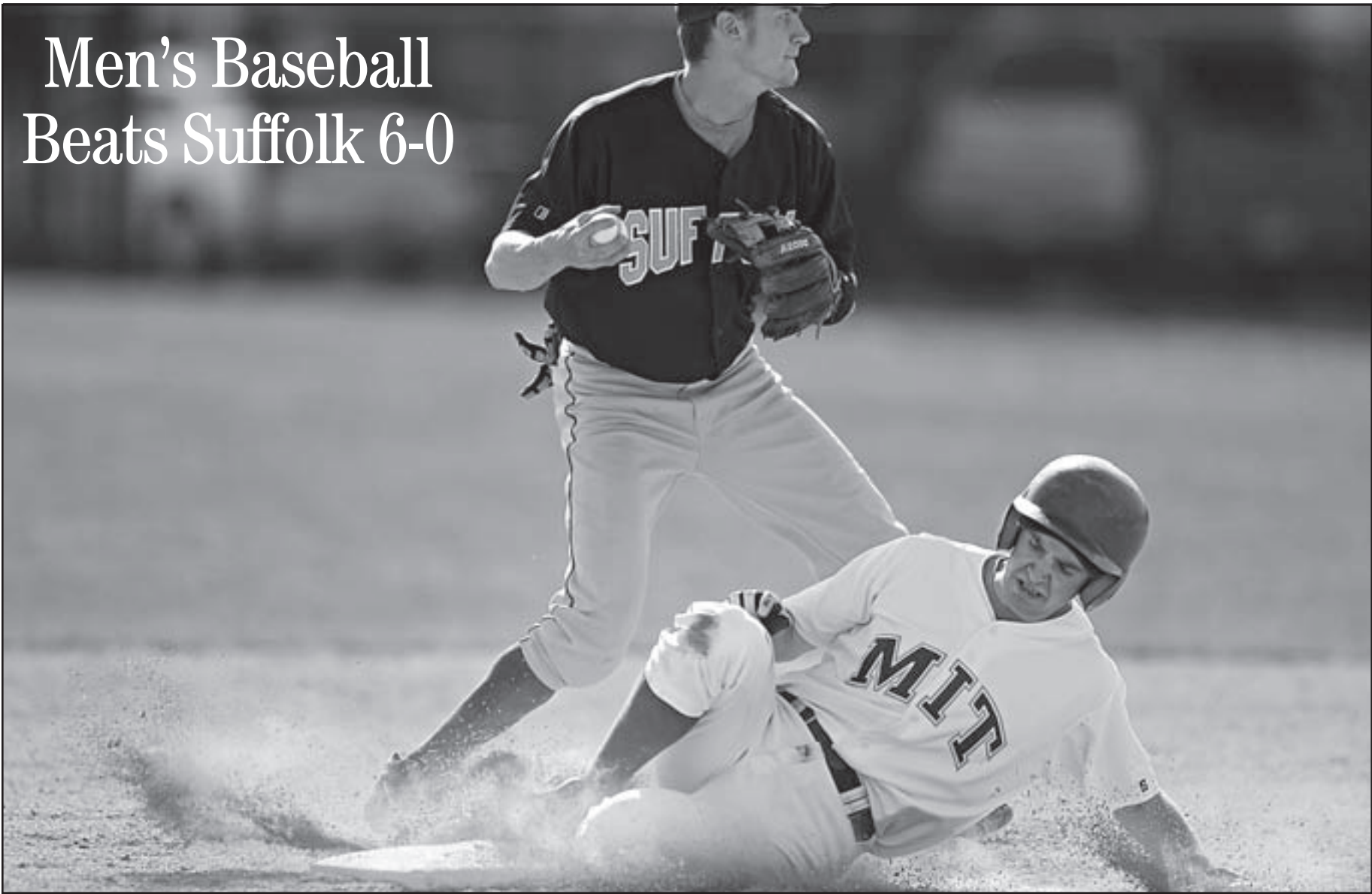
The President’s closing remarks were centered on Orientation, which she called an “opportunity for contention rather than an opportunity for cohesion” in previous years. “Orientation shouldn’t be so difficult to figure out,” said Hockfield, it should not be “an annual set of disappointments.” Following the president’s remarks, outgoing UA President John M. Cloutier ’06 outlined new plans for Student

Center dining, including the possibility of Subway coming to Lobdell along with Dunkin’ Donuts next fall. While discussions are still in progress, the Subway would accept TechCASH and be open from 11 a.m. to 8 p.m., according to Cloutier. The Senate also approved the Finboard pre-appeal allocation budget of \$85,283, compared to last year’s figure of roughly \$74,000, pre-allo-

2006-7 UA Office Election Results

Secretary-General	JiangWei Zhu '08
Treasurer	Lauren E. Oldja '08

Officers elected for the 2006–2007 year at last night’s meeting of the Undergraduate Association Senate. More results, unavailable at publication time, will be printed in Friday’s Tech. Chairman elect, Hans E. Anderson ’08. Last year’s Finboard budget totaled \$81,275, post-appeals.



The MIT baseball team played Suffolk University last Friday, May 5. The Engineers won the game with a 6-0 shutout. Clockwise from left: Third-baseman Warren W. Bates ’06 fields a grounder and makes the throw to first late in the game. Gregory R. Williams ’06 is forced out at second base as Suffolk University’s second-baseman turns to throw to first. Kevin R. Wheeler ’08 bunts. Photography by David Templeton; see page 8 for additional photo.

Years After Inception, TEAL Continues to Spur Debate

TEAL, from Page 1

Even students acknowledge there is some scapegoating. “TEAL acts as a whipping boy,” said 8.02T undergraduate teaching assistant Michael Shaw ’07. “It has become the standard excuse. If you do badly, it’s because TEAL fails you.”

Though student complaints are numerous, a number of changes have in fact been integrated into TEAL since its inception. Professor Eric Hudson, course administrator for 8.02T, has worked on modifications including more undergraduate teaching assistants in the classroom, fewer experiments (a drop from 18 to 10), and an emphasis on faculty training. Still being tested is the new AIM screenname *iheart802*, which will allow students to instant message a TA during class.

But even with the changes, the irrefutable fact remains: students are

uninspired by the course. Dourmashkin admits that “students don’t like to go to class,” while Professor John Joannopoulos, who teaches a section of 8.02T this semester, said that there is a “tendency for students to be lax and lose concentration.”

Freshman Sarah Levin ’09, currently a TEAL student, said that “all of TEAL is so un motivating because it’s so tedious that I don’t put any effort into the class and because of it I’m losing a good percentage of my grade just by lack of attendance.”

Shaw sees this problem as well. “Students come out of TEAL with a dislike for physics, and they seem less inclined to major in physics. TEAL has never done a good job in instilling a sense of why [learning] this is important.”

“The large majority of 8.02T students will not need E&M anymore in their career,” said Professor Wal-

ter H.G. Lewin, who has formerly lectured both 8.01 and 8.02 to much acclaim. “Isn’t it more important that students are inspired? ... To make students love science is way more important than to make sure that they remember Faraday’s Law.”

The problem with TEAL, he says, it that to be successful, it requires eight great lecturers, as opposed to just one in the lecture format.

On the other hand Belcher counters that “if it is a choice between learning gains and popularity I choose learning gains.” Several studies at other universities have shown that students who engage in “active learning” exhibit substantial learning gains, he said.

Belcher, in collaboration with an education researcher at the Technion, has shown these learning gains. At the beginning and end of the semester, the researchers administered a

20-question multiple choice test to TEAL and non-TEAL students that was designed to gauge students’ conceptual understanding of electromagnetism.

The study found that students in TEAL, both in Fall 2001 when it was optional and in Spring 2003, showed a greater improvement over the course of the semester than students in the Spring 2002 lecture/recitation class. More details about the study can be found online at https://mit.edu/fnl/vol/162/Fnl10_11_03.htm

There are some weaknesses in the structure of the study, however; for instance, the conceptual tests were part of TEAL students’ course grades, while non-TEAL students were paid \$40 for taking the test and freshmen were still on pass/no record in 2002, whereas the TEAL freshmen in Spring 2003 were on grades.

Will TEAL keep continue to adapt

to criticism? Belcher said that though he is no longer working on TEAL, he sees the possibility of further modifications to the format that would better incorporate students’ wishes for a more standard class, while still retaining some participatory element.

There are “lots of ways to do active learning,” Belcher said, citing a study conducted at Harvard that exhibited stronger learner gains than TEAL in a lecture environment with regular student involvement. “The important thing is to have students interact with students,” he said.


The interspersing in TEAL of mini-lectures, experiments, and small group interaction has been successful to a large degree, said Thomas J. Greytak, physics professor and associate head of education for the department. As to what “exactly in the mix is working and how we use it, we are still figuring out.”

MIT \$100K


Thursday,
May 18, 2006
7:00 pm

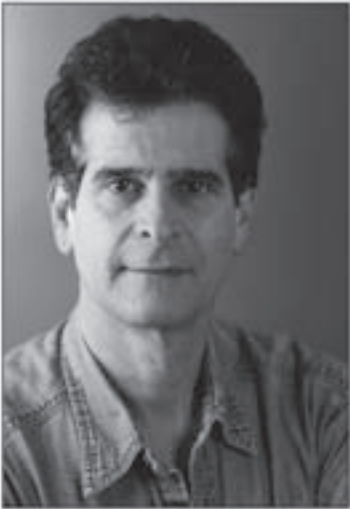
MIT Kresge Auditorium
Massachusetts
Institute of Technology

ENTREPRENEURSHIP COMPETITION



17th Annual Final
Awards Ceremony






Keynote Speaker:
Dean Kamen
Inventor and Entrepreneur

Hear the finalists
in the venture track
and the development
track pitch ideas
that could change
your world!

Creating tomorrow's leading firms

<http://www.mit100K.org>

Massachusetts Institute of Technology



?

a) Depression is a bunch of symptoms exhibited by weak people.

b) Depression is an unbearable suppression of brain activity that can strike anyone.

Straightening out all the misconceptions, the correct answer is 'b'. It's a concept we should all understand and remember, and here's why. Depression strikes millions of young adults, but only 1 out of 5 ever seeks treatment for it. Too many just drag themselves along or eventually seek relief through suicide. Why not treatment? Partly lack of awareness. Partly the unwarranted negative stigma. This is what needs fixing. This is where we need you to change your attitudes. It's an illness, not a weakness. And it's readily treatable. Spreading the word and making this common knowledge is everybody's assignment.

UNTREATED
DEPRESSION

#1 Cause of Suicide

Public Service message from SAIVE (Suicide Awareness\Voices of Education)

<http://www.save.org>

This space donated by The Tech

Lilly Loses Patent Lawsuit to Ariad, MIT, Harvard

Drug Company to Pay \$65M for Infringing Patent Covering Protein Discovered in Part by MIT Researchers

By Andrew Pollack
THE NEW YORK TIMES

A federal jury in a closely watched lawsuit ruled May 4 that Eli Lilly & Company had infringed a patent covering drugs that work through one of the body's basic biological pathways, in a verdict that could send ripples through the pharmaceutical industry.

The jury, in Federal District Court in Boston, ordered Lilly to pay \$65.2 million in back royalties to Ariad Pharmaceuticals, a biotechnology company that had licensed the patent from Harvard and two other academic institutions. Lilly will also have to pay a 2.3 percent royalty on future United States sales of its osteoporosis drug Evista and its drug Xigris, used to treat septic shock.

The case has attracted attention because Ariad claims the patent, issued in 2002, covers any drug that works by influencing the action of an important protein in the body. Some critics have said that patents covering an entire pathway in the body, as opposed to a particular drug, could hinder drug development.

Ariad executives have said that the patent could cover drugs with billions of dollars in annual sales and that the company had sent letters offering licenses to more than 50 companies. Last week, the biotechnology giant Amgen filed a pre-emptive lawsuit against Ariad, seeking to shield its lucrative arthritis drug Enbrel from infringement charges based on the same patent.

Lilly argued in the trial that Ariad's patent covered a natural phenomenon and was therefore invalid. It also said its two drugs were under development before the protein at the heart of the Ariad patent was even discovered.

"The Ariad position is equivalent to discovering that gravity is the

force that makes water run downhill and then demanding the owners of all the existing hydroelectric plants begin to pay patent royalties on their use of gravity," Robert A. Armitage, Lilly's general counsel, said in a statement May 4.

Lilly said it would ask the judge, Rya W. Zobel, to set aside the verdict and, if that failed, would appeal. The United States Patent and Trademark Office is re-examining the validity of the patent at the request of Lilly.

Harvey J. Berger, the chairman and chief executive of Ariad, disputed Lilly's arguments. "The jury looked at the evidence, looked at this issue and concluded unanimously that the patent was valid and

Ariad, MIT, and Harvard score an unexpected victory in a drug patent lawsuit.

infringed," he said.

No one has yet agreed to pay to license Ariad's patent, according to Dr. Berger, who said companies had been waiting for the outcome of the Lilly litigation. He said Ariad did not want to stop other companies from developing drugs. "A reasonable royalty is what we're looking for," he said. Academic scientists doing noncommercial research do not need a license, he said.

Based on Lilly's 2005 sales for the two drugs, Ariad, based in Cambridge, Mass., would receive \$17.8 million in royalties each year until the patent expires in 2019. The company will keep at least 75 percent of its proceeds and share the rest with its academic partners.

Evista, one of Lilly's biggest drugs, was approved by the Food and Drug Administration in 1997

and had United States sales last year of \$652.9 million. Xigris, approved in 2001, had United States sales of \$119 million in 2005. While royalty payments are not expected to be a big burden for Lilly, they could be a significant boon to Ariad, an unprofitable company that has not yet brought a drug to market.

The case was important enough to his company that Dr. Berger sat through the entire trial, which started April 10. Ariad's shares jumped \$1.45, or 26 percent, to \$6.99 May 4, while Lilly rose 6 cents, to \$52.02. Analysts had generally expected Lilly to win.

The patent covers drugs that work by modulating the action of nuclear factor kappa B, or NF-kB, a protein that was discovered in the 1980s by scientists at Harvard, MIT and the Whitehead Institute for Biomedical Research, in Cambridge, Mass. Among those scientists were Phillip A. Sharp of MIT, and David Baltimore, now the president of the California Institute of Technology, who are both Nobel laureates.

NF-kB serves as sort of a master biological switch that turns dozens of genes on or off. It is thought that many drugs, particularly those aimed at cancer, inflammation and immune diseases, might somehow influence NF-kB. Even aspirin and red wine affect the activity of NF-kB, according to a brief filed by Lilly.

The patent, granted in 2002, took 16 years to make it through the patent office. As soon as it was issued, Ariad, joined by the three academic institutions, sued Lilly. Spokesmen for Harvard and MIT had no comment on the verdict, other than Harvard saying it was pleased.

Ariad has not developed any drugs that work through NF-kB, according to Dr. Berger, though it intends to do so.

Edward R. Reines, a Silicon Valley patent attorney, said the case could make pharmaceutical companies more sympathetic to complaints by some computer and Internet companies about patent holders that do not develop products themselves but instead demand payments from companies that have.

"This may be the beginning of an era in which the pharmaceutical industry joins the electronics industry to complain about unfair or improper patent assertions," Mr. Reines said.

Some experts said judges might not uphold a patent as broad as Ariad's. They point to a case in which a federal judge in 2003 invalidated a patent that the University of Rochester claimed covered all pain drugs that worked through a particular mechanism. The judge ruled the patent invalid because Rochester had not actually developed such a drug or shown specifically enough how to do it.

"No compound, no patent," said Gerald P. Dodson, the attorney who represented Rochester. He said that Ariad might "have the same hurdles that we had" but would be helped by having won a favorable jury verdict, which Rochester never did.

The Supreme Court is expected to rule on a separate case in the next few weeks, *LabCorp v. Metabolite Laboratories*, that could set new guidelines regarding patents related to processes in the body.

Pulled OCW Web Site is Back Online

The OpenCourseWare Web site for the "Visualizing Cultures" course (21F.027J) went back online last night after it was removed two weeks ago following complaints that it displayed culturally insensitive images without proper historical context. The version of the site posted last night is dotted with disclaimers to remind viewers that "some images may be offensive and difficult to view" and that depiction of the images "does not endorse their content." A link to the disclaimer appears on each page containing images.

Additionally, before entering the main site, viewers must navigate through a page that introduces the class and suggests proper uses for the site and images.

The course's creators Professors John W. Dower and Shigeru Miyagawa write on this introductory page that "to use the graphic imagery of the past to perpetuate cycles of violence and hatred runs counter to everything for which Visualizing Cultures stands."

Attention was initially drawn to the site after it was highlighted in the MIT spotlight at <http://web.mit.edu/>. Members of the Chinese community at MIT and from elsewhere voiced strong opposition to images on the site, including one showing the decapitation of Chinese soldiers. They felt the images were presented in an incomplete and culturally insensitive manner that could easily be taken out of context.

Following the initial complaints and temporary removal of the site, a public forum was held with MIT administrators and members of the Chinese community. Additionally, the Campus Committee on Race Relations will hold a panel discussion about visual imagery this Thursday in 32-123 at 4 p.m.

—Kelley Rivoire

TOWN MEETING: Task Force on the Undergraduate Educational Commons

Wednesday May 10, 2006
3 – 5 PM
Room 32-123

Professor Robert Silbey, Chair of the Task Force, will present current recommendations of the Task Force to solicit feedback from students and faculty.

<http://web.mit.edu/committees/edcommons>

EC, Next House Most Popular Choices

Summer Housing, from Page 1

ick and Bailey said.
East Campus and Next House were the most popular dormitories this summer, with an overabundance of applicants. East Campus has traditionally been the most sought after during the summer because of its prime location on campus, Smedick said. According to Bailey, 687 students received their first choice in the Housing Lottery, while 21 received their second.
Students who have received summer housing have the option of canceling their reservation up until May 15. "We allow applications this time of year to allow students to safeguard a spot before the summer," Smedick said. In previous years, about 100 students have canceled their reservation. Smedick and Bailey expect approximately the same number this year.
Prices, which range from \$1,553 to \$2,109, have risen about five percent over last year's cost, consistent with the increase in fall and spring housing rates.

Earn \$500+ Daily, Working From Home/Dorm.
www.ProfitProfitProfit.com

Up to \$100/hr
math & science tutors for webex training
Email resume to aptutorsneeded@yahoo.com
Work from home

Solution to Crossword Puzzle

from page 6

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

Solution to Sudoku Puzzle

from page 6

7	2	1	5	4	9	8	6	3
8	3	9	6	1	7	2	5	4
5	6	4	3	2	8	7	9	1
9	7	2	4	8	3	6	1	5
1	4	5	7	6	2	3	8	9
6	8	3	9	5	1	4	7	2
4	9	7	1	3	6	5	2	8
2	5	6	8	9	4	1	3	7
3	1	8	2	7	5	9	4	6

Do you like design?

join@the-tech.mit.edu

MIT 2006 Awards Convocation YOU'RE INVITED! Tuesday, May 9, 2006

Awards Presentation begins at 4 p.m.
Huntington Hall (Room 10-250)
Gala reception immediately following in Lobby 10

Read about the awards online at web.mit.edu/awards



got research on your mind?



MURJ!

MIT Undergraduate Research Journal

Submit your research reports and UROP summaries to murj-public@mit.edu by May 15, 2006

SPORTS

Baseball
Splits a
Pair With
Williams

By Travis Johnson
SPORTS EDITOR

MIT Baseball finished its season with a 7-1 blowout loss and 8-7 shootout win in Saturday's double-header against Williams College, ending the Ephs' 13-game winning streak.

The Williams Ephs (27-8) dominated the first game behind freshmen pitcher Dan Benz, who controlled MIT's hitters with his great location and effective curve through all seven innings. He held MIT to one run on four hits with six strikeouts.

The Engineers' (20-13, 6-6) lone run came in the fifth when Christopher M. D'Annunzio '06 led off with a single, advanced to third on a single by Matthew B. Harrington '08, and scored on a sacrifice fly by Jason T. Witzberger '07.

Other than that, MIT only had four baserunners and two hits. They had a promising start to the first inning, when a Witzberger led off with an infield single and Warren W. Bates '06 reached on an error. But Benz got Wayne P. Duggan '06 to ground into a doubleplay and struck out Keven R. Wheeler '08 to end the inning.

The MIT starting pitcher, Jay M. Turner '08, began the game with two strikeouts but quickly got into trouble with Williams' third hitter Chris Kenney, an imposing 6'4" catcher who went 6-8 on the day.

With two outs in the first, Kenney drilled a line-drive double to start Williams' rally. Cleanup hitter Paul Morgan then singled, but Kenney didn't get a good enough jump to score. Turner stranded Kennedy and Morgan by drawing a popup from five-hitter Max Pinto.

After a smooth second inning that included another two strikeouts, Turner got into more serious trouble in the third. He issued a leadoff walk to the number nine hitter Mike Overend, a big no-no for pitchers. James Discomo moved him over with a sacrifice bunt, which Williams followed with back to back singles, scoring Overend.

Kenney hit another line drive, this time the opposite way and good for a single, driving home Overend. Another single, this time a blooper by Pinto, scored Discomo and put Williams up 2-0.

The Ephs added two more in the fourth on another walk and three more hits, one a hard grounder beyond the reach of diving third baseman Bates. Turner continued pitching into the fifth and his problems continued. Williams scored two more on a walk and back-to-back doubles by Kevin Flynn and Overland.

G. Mike Vasquez '08 got the final out of the fifth and pitched a shut-out sixth. Tim Burbridge scored his teams' final run on a single, stolen base, balk, and passed ball in the seventh inning.

MIT Wins Second Game

The second game looked to be more of the same when Williams jumped out to a 3-0 lead on four consecutive singles against starting MIT pitcher D'Annunzio.

The tides turned in the bottom of the first for MIT, as they tattooed Williams pitcher Matt Gustafson for six singles. Gustafson helped the Engineers by contributing two of them, giving MIT a total of eight baserunners and six runs, making the score 3-6.

D'Annunzio had a rocky sec-

Famous Ballroom Dancers Perform at MIT

By Nadezhda Belova

Every spring, the MIT Ballroom Dance Team hosts the MIT Open Ballroom Dance Competition. One of the highlights of the competition is a show by professional dancers. This year, the team invited Michael Malitowski and Joanna Leunis, the 2005 World Professional Latin Vice Champions, 2005 British Open Professional Latin Finalists, and 2004 World South American Show Dance Champions. After the performance, I interviewed the two dancers separately, though responses to similar questions are grouped together.

The Tech: Why do you dance?

Michael Malitowski: Why do I dance? That is an essential question. I guess because I love to do it, because I hate to do it. It challenges me, and so I love it, and I hate it. It's my job already, I am a professional dancer so it is my job, eight hours a day.

Joanna Leunis: Why do I dance? Oh because I've always danced, actually since I am maybe two. I remember I was all the time moving and dancing with whoever wanted to dance with me. So it's like in my blood, I think I always wanted to dance.

TT: As a child did you imagine that that's what you'd end up doing?

MM: No. In the beginning I just wanted to dance and then it became a way of life.

TT: Did you want to dance ballroom or to dance in general?

MM: In the beginning, I just wanted to move. I always wanted to be a ballet dancer but in my city there was no Ballet School, it was in Zielona Gora in Western Poland. My parents wanted me to go to school and really study. Last year I got a diploma, a Masters in Dance Education.

TT: Why Ballroom?

JL: By coincidence. I got quite sick when I was small, and after recovery, my father pushed me to go to one of they are called "Open Door of Ballroom Dancing" in my school. And there were dance lessons. He brought me there, and I immediately loved it. I saw my first dance show there, it was like a Belgium couple was doing a show, and it just grabbed me.

TT: Would you want ballroom dance to be an Olympic Sport?

MM: Yes.

TT: Why?

MM: Because it wouldn't change, would not make it more sporty, but I think that it would make it easier to judge because we would have to develop criteria more clearly, and it would become even more popular and will have more money involved.

TT: Do you think it might become an Olympic Sport by 2012?

MM: I don't think so. It takes awhile. Now I am not sure, the program "Dancing with the Stars" is so popular. It brings people to the social aspect of dancing and not the sport. Can be bad if it goes towards the social and not really sporty.

TT: So do you think ballroom dance is it a sport, or art, or both?

MM: I guess I don't have one opinion on all this. People try to fight about this, whether it is sport or art, for me it is just ballroom dancing, I don't know. I treat it artistically, but if I was sitting on my couch and thinking only about this I wouldn't be able to do it. I have to practice, I have to go to the gym, I have to treat my body in the sporty way, but when I am doing it I am not at all busy with the sports aspect of it because that would look athletic and completely different. So I guess it is some sort of a combination.

JL: I think we are both a little bit. You need some stamina before you can rely on the art. It's like more of an integral training. The heart [rate] goes up and down, or you had to be used to going very high and coming back down. It's a bit more like an integral training, so you need that. All the while there is an art, that is present, that must be present, so you have to combine both.

TT: How much do you practice?

MM: As I said this is our job, if we don't put in eight hours a day on our



NADEZHDA BELOVA

Michael Malitowski and Joanna Leunis, the 2005 World Professional Latin Vice Champions, dance at the MIT Open Ballroom Dance Competition in Rockwell Cage.

profession then we are not good professionals. Five days a week and then on the weekends, shows.

TT: If you weren't dancing, or if you could do something else, what would it be?

MM: Probably sports. I would be a tennis player. That would be only about myself and I would not have to deal with another person and I like the sport. I love playing soccer and I used to play it, so I could do it as well. I think something athletic like this. I see myself teaching at the University something about dancing, or [something] artistic. I used to play in my university in plays. So I think something like this.

JL: I always love watching ice skating but my hobbies are as well skiing. So I love skiing, when I can go when I have time I do that.

TT: What is the message of ballroom dance? How is it different from ballet and modern? What is its appeal, its uniqueness?

MM: I think the difference [is] that it's two people. You need two people, man and woman, if one person is doing Cha-cha it's not the same. If one person is doing a solo in the Swan Lake, that's it, that's good. If someone is doing Chicago movements like in musical, but in ballroom dancing we have two people and that is the main thing. I think that's it.

TT: What is the idea that you try to show in your dances, that is consistently in your mind?

MM: Oh yeah, I think that is making us different from other couples because we are not trying to be Cuban because we are not Cuban, we are not trying to be Latin American because we are not Latin American. Our idea is that we bring every possible thing that is in ourselves, in our character, in our background and whatever is happening around in the arts we are trying to bring to the dance floor, so that's it. For us it is a kind of expression and trying to do the Cha-cha, and doing it masculine or feminine, that is not the case in our case.

JL: Yes, I think more the pure enjoyment of what I do, and the emotions that you can create through dancing. You are not anymore whatever person you are out of the floor you become someone else on the floor. I hope that can reach the person in a certain way.

TT: So is it about the connection between the partners?

MM: It can be about a lot of different stuff. It can be about the choreography, it can be about the kinesthetic feeling, about the experience of the speed, about the music, and it can be about the rhythm, the dynamics and about the action.

TT: What else do you do outside of ballroom, something you particularly enjoy?

MM: At the moment because we are a particularly active couple we are and we try to achieve the success so everything else is on the side. I was able to finish the university but it cost me a lot of money and time to travel back and forth to the university and to pass all of the exams. Once I did that I focused only on the dancing. I try to play soccer sometimes, I did it last week and I loved it. I am interested in

reading a lot of arts stuff, I read books about it, especially all the contemporary stuff, I really love it. I really love contemporary art. I try to read it because it is part of our job, if we were not doing this our dancing would not progress. If I go to the cinema to see a good alternative movie I treat it as a process of developing my dancing.

TT: What makes a good partnership?

MM: More and more I think accepting the differences in each other. Because we have to understand that we are really different, every person is an individual, and very often we make that mistake that we want the other person to think the same way and to do certain things the same way that we think.

TT: So do you have disagreements sometimes about dance?

MM: Of course, of course, every day. But I think the essential reason why it lasts is there is a point that we have to accept what the other person is thinking or doing, and black and white looks very good together.

TT: Do you two do the choreography yourselves, or you have help with it? Do you have a coach?

MM: We mainly do choreography ourselves but with a huge help from our coach, who is the doctor Ruud

Vermeij. He is a Dutch guy. He has not been such a successful dancer, but he has been a successful coach. He has had some successful dancers in his career and now he is busy with us.

TT: Joanna do you have a favorite dance?

JL: Yeah. Actually it depends a little bit. I think that my favorite would be Rumba, but sometimes I also enjoy Cha-cha or Paso. It depends on the day, but my favorite would be Rumba.

TT: Do you know why? What attracts you to it?

JL: Just the emotion that you can show when you dance. I just like more of a slower dance than another one, you have more time to really show yourself, express your movement.

TT: You said that trust is really important to you in a dance relationship, what does that mean for you?

JL: In terms of partnership, the trust that happens between us, you can say technically when we dance. I can rely on Michael in some ways when we

do figures, he has to partner me in a way that we can trust each other, so that is really important too.

TT: Is there also emotional trust, commitment?

JL: Yes, yes. It can be mental trust that you create through linking, and that linkage and emotional linkage, so all these as well. You have to build that trust and it doesn't only rely on the steps but on much more than this.

TT: The personal relationship?

JL: Yes, as well.

TT: Do you have a favorite book?

JL: I really like "The Da Vinci Code," it is quite popular. I also enjoy very much "Embracing Ourselves" by H. and S. Stone. And then I like biographies, like the biography of Nureyev.

TT: How does one get better? Obviously, in everything there is practice, but how did you get to this level?

JL: Well, you have to be committed to what you do. It is not only about practicing but finding a good team of people around yourself, with people you trust and people who believe in you, so you have some help from them as well.

I saw my first dance show there,
it was like a Belgium couple
was doing a show,
and it just grabbed me.
— Joanna Leunis

Duggan Pitches 7th, Holds Off Eph Rally To Seal MIT Victory

Baseball, from Page 14

ond inning, allowing a single and walking two, but escaped without allowing a run thanks to a strikeout and popout with the bases loaded. Gustafson quickly retired MIT with three straight grounders.

The scoring resumed in the third, with Williams getting a run on a hit batter and a double by Discomo. MIT got that run back and one more, using a leadoff walk and three singles to pull ahead 8-4.

Williams ended the third by putting in Sam Tuttle to pitch to Witzberger, who struck out to end the inning. Tuttle threw significantly faster than anyone MIT had faced that day, and they would get only one hit and no runs against him through the rest of the game.

With Tuttle mowing down their hitters, the pressure was on the Engineers defense and pitching to hold Williams to three runs or fewer. D’Annunzio came out in the third, and Joseph P. Yurko ’08 got the next three outs but allowed a run on three hits in the fourth.

Richard D. Kosoglow ’08 tried next, and got six outs but allowed another run. Each inning Williams was getting one run closer, and going into the seventh and final inning they were down 8-6.

After getting the final out of the sixth inning, Matthew D. Loper ’09 started the seventh with a walk. Coach Andy Barlow had seen enough and brought in his steady senior Duggan to close the win. The first batter Duggan faced hit a shot at his feet that bounced off at a funny angle. After a moment of suspense when, he grabbed it and make a spot-on throw.

He then faced Kenney, who was 6 of 7 on the day and had hit the ball hard every time. A high fastball got him to fly out to short. Morgan extended the game by hitting an RBI double in the gap. With a runner in scoring position, Pinto hit a long fly ball to left field, where Stephen C. Toth ’09 was playing his first inning in the field and looked like he might have trouble fielding it. But he managed to get under it and the celebration began for MIT.

Royal Bengal

Boston's only authentic Bengali Cuisine restaurant

Open Daily Except Monday
11:30 am – 11:30 pm
Lunch Buffet \$6.95
Reasonably Priced Dinners

313 Mass. Ave., Cambridge
(617) 491-1988
T: Red Line, Bus #1 – Central Square

*Unique Bengali fish dishes include
Paabda maachher jhol, Rui maachher
kalia, Mochar ghanto, Shorshe Ilish*

Take-out, platters, and catering available. Delivery with minimum order.
10% Discount on \$15 (or more) order with MIT ID.
<http://www.royalbengalrestaurant.com>

SPERM DONORS NEEDED

Up to \$900 a month!

Healthy MEN, in college or with a college degree, wanted for our anonymous sperm donor program. Help people fulfill their dreams of starting a family. Receive a free health and genetic screening.

APPLY ONLINE:
www.CRYOBANKDONORS.com

CALIFORNIA
CRYOBANK, INC.
REPRODUCTIVE THROU SERVICES

or call 617-497-8646

HMS MOVING SERVICES

M.I.T.’S PROFESSIONAL MOVER

HOME OF THE
SMALL SHIPMENT EXPRESS!!

- EXPRESS SHIPMENTS TO THE ENTIRE EAST COST
 - 1 AND 2 DAY DELIVERY WINDOWS
- 90 DAY STORAGE PACKAGES-SINGLE PRICE PACKAGE FOR LOAD/STORE/DELIVER
 - CURBSIDE PICK UPS FOR ½ PRICE
 - DAILY LOADINGS FOR ALL 50 STATES
 - INTERNATIONAL MOVING SERVICES
- GUARANTEED PRICING PROPOSALS ON-SITE
 - FULL VALUATION COVERAGES
- MONEY BACK GUARANTEES IN WRITING ON ALL MOVES

CALL: (888) 767-5720

Is everything in a mental health visit really 100% confidential?

Everything that you tell a mental health clinician is privileged information. This means that the information about you cannot be given to any other person without your permission. There are a few exceptions: 1) if you are in danger of physical harm by suicide, then your clinician can notify other people in order to keep you from harming yourself; 2) if someone else is in danger, then that person can be informed; 3) if you are involved in the abuse or neglect of a child or an elderly person, then your clinician is mandated to inform the appropriate agency.

I am applying for a job and the application asks if I have ever been diagnosed with a psychiatric disorder. Does seeing someone at MHS mean I have to answer yes to this question?

Not necessarily. Many people are seen at MHS for things other than "psychiatric disorders." It is also important to remember that for most jobs a "yes" answer to that question usually just leads to a few more questions and the prospective employer possibly contacting the clinician at MHS.

I am applying for a job that requires a security clearance. Will the fact that I have been seen at MHS have an impact on my clearance?

This is an issue that comes up frequently. Usually the agency that is doing the clearance contacts MHS after notifying you (we need your permission to release information; usually the agency has already asked you to sign something to this effect). The agency will ask your clinician for his or her professional opinion as to whether you are a risk to security. They are generally more interested in the clinician's overall assessment regarding your potential risk to security than in the details of your medical record.

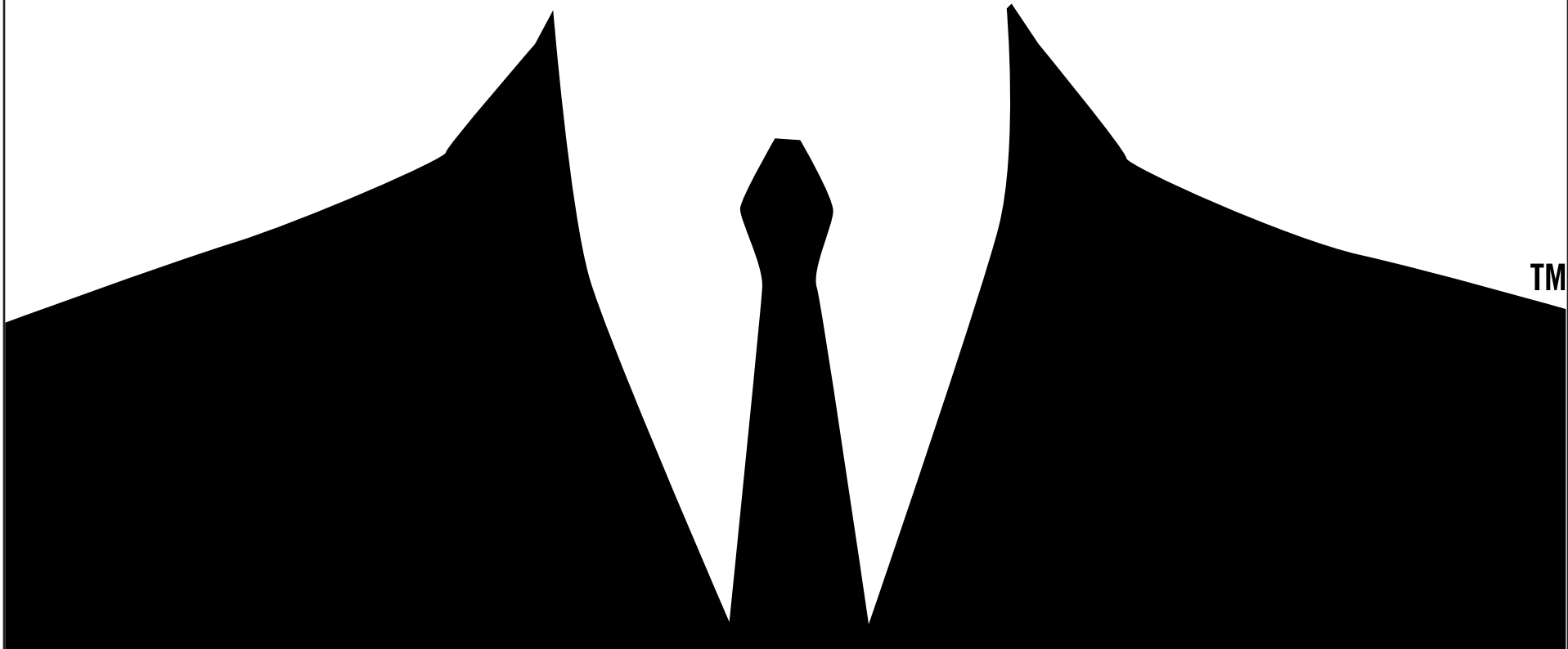
This is one of a series of mental health FAQs developed by the Student Health Advisory Committee (SHAC) with input from MIT Medical’s Mental Health Service (MHS). More questions and answers on mental health issues are available online.

Go to <http://web.mit.edu/medical> to find answers to the following questions

- ▶ Does information about mental health appointments go in my medical record?
- ▶ Who should use mental health services?
- ▶ How do I make an appointment?
- ▶ What should I expect at my first visit?
- ▶ Does it cost anything to use the Mental Health Service at MIT Medical?

To learn more about SHAC membership, look out for our “Turn the Tables: Examine Medical” event, or visit our website <http://web.mit.edu/medical/student>.

MIT Mental Health Service
MIT Medical, E23-3rd Floor
For appointments and information (617) 253-2916
Walk-in hours 2–4 pm, Monday–Friday for urgent matters



MYRICHUNCLE

STUDENT LOANS

It matters now. *www.myrichuncle.com* *1-888-MyRichUncle*