

MIT's
Oldest and Largest
Newspaper



The Weather
Today: Mostly sunny, 47°F (8°C)
Tonight: Rain, 37°F (3°C)
Tomorrow: Rain, windy, 43°F (6°C)
Details, Page 2

Volume 122, Number 53

Cambridge, Massachusetts 02139

Friday, November 5, 2002



FRANK DABEK—THE TECH

Helen Thomas, long time member of the White House Press Corps, speaks at a forum entitled "America at War?" Professor of Literature David Thorburn and Professor of Political Science Charles Stewart III joined Thomas in a discussion of the United States' policy on Iraq. See story, page 15.

City: Skuffle License Would Be Precedent

By Nathan Collins
EXECUTIVE EDITOR

Phi Kappa Sigma's "Skuffle" charity event failed to receive an entertainment license last week because of concerns about noise and concerns that the permit would set a "precedent," a Boston Mayor's Office spokesperson said.

The denial of the entertainment license led the Boston Inspectional Services Division to withhold a building license. Acting on this decision, ISD officials stopped the fraternity members from working on the party last Thursday, said Matthew J. Frank '03, a house member who helped organize Skuffle, a charity event for the Leukemia Society.

The Mayor's Office spokesperson, Elizabeth Sullivan, said that it "would have been precedent-set-

ting to issue an entertainment license to a fraternity."

It was not clear why an entertainment license was required in this case. According to the City of Boston Web site, an entertainment license is required for "public shows" if the organization presenting the show holds an alcohol license or charges admission. Licenses are also required if automated entertainment devices, such as video games, are in use.

"We don't charge admission. ... It's a suggested donation," Frank said. He also said that there was to be no alcohol at the party, and that Phi Kappa Sigma (Skullhouse) had collected statements from their neighbors saying that noise was not a concern.

Skuffle, Page 15

Course VI Remains Most Popular Major for 2005

By Lauren E. LeBon
STAFF REPORTER

Course VI remains the most popular major at MIT among sophomores, according to the 2002 Registrar's Office annual course enrollment report.

Course VI (Electrical Engineering and Computer Science) attracted 282 sophomores, down from 367 in 1999

constant.

Course VI numbers decreased

Though Course VI remains MIT's most popular undergraduate major, numbers are down significantly from last year.

EECS Professor W. Eric L. Grimson calls the decrease "a culmination of many factors."

"Other departments have been putting together exciting new programs that are attracting new students," Grimson said.

He added that some double majors in Management and EECS have found it advantageous to declare Management as a major to gain preference in class lotteries within Sloan.

Despite the lower numbers, Grimson is optimistic for the department.

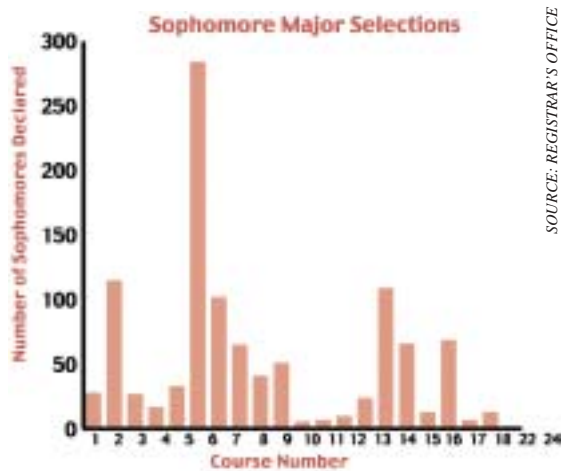
"I'm not worried about it. It's going to make us teach more effectively," Grimson said.

He adds that the more level distribution of majors and a balance of interests is "healthy for the Institute."

Physics sees dramatic increases

The School of Science, which includes the Departments of Biology,

Majors, Page 13



and 342 last year.

The other top five majors this year were Mechanical Engineering, Management, Biology, and Mathematics.

The yearly report showed increased enrollment for the School of Humanities, Arts, and Social Sciences, the Sloan School of Management, and the School of Science.

The undergraduate enrollment in the School of Engineering decreased from 1,885 undergraduates to 1,813.

Enrollment for the School of Architecture and Planning remained

Gov. Race Close, Election Today

By Kathy Lin and Jenny Zhang
STAFF REPORTERS

Elections for 16 local, state, and national government positions are taking place today.

Registered voters who live on campus can vote at Kresge Auditorium from 7 a.m. to 8 p.m. Voting locations for off-campus residents can be found at <<http://www.wheredoivotema.com>>.

This year's candidates for U.S.

Senator are John F. Kerry (Democrat), Michael E. Cloud (Libertarian), and Randall C. Forsberg PhD '97 (write-in Democrat).

Forsberg's main platform is Iraq war opposition. She is hoping to get enough votes to generate national attention and thus show that the anti-war effort has strong support. Forsberg earned a doctorate in political science from MIT in 1997.

Five major candidates are run-

ning for governor, with Shannon O'Brien (Democrat) and Mitt Romney (Republican) competing for the lead.

O'Brien and Romney are going head-to-head in one of the closest and most expensive races in Massachusetts history. A Boston Globe/WBZ-TV poll of 400 listed O'Brien's support at 38 percent and

Election, Page 11

Vassar Project First Of Many Road Plans

By Brian Loux
NEWS EDITOR

Three road construction projects in the vicinity of MIT are planned to begin around the same time that the Vassar Streetscape project is scheduled to end, in June 2003.

The Vassar Streetscape project involves the renovation of the east side of Vassar Street.

New construction along Massachusetts Avenue is "anticipated [to begin] sometime in the spring," said William Deignan of the Community Development Department in the City of Cambridge. It will include heavy road construction between Vassar St. and Memorial Drive.

The remaining two projects are the Metropolitan District Commission Charles River Basin Master Plan and the Cambridgeport Roadways Improvement Project.

The Charles River Basin Master Plan is a large-scale conservation project that will affect much of the area surrounding the river, including Memorial Drive. The Roadways Improvement Project is a project designed to improve access in and around Uni-

Projects, Page 13



JOHN CLOUTIER

A section of pavement is removed from Vassar Street just west of Main as part of MIT's Vassar Streetscape project.



Twelfth
Night is not
a bad
choice.

Page 8



Comics

Page 6

OPINION

Stephanie W. Wang argues that Question 2 on Massachusetts' ballot is the machination of a bigot.

Page 5

World & Nation 2
Opinion 4
Events Calendar 7
Arts 8
Sports 16

WORLD & NATION

Justices to Review Telemarketers' First Amendment Shield

LOS ANGELES TIMES

The Supreme Court agreed Monday to consider giving state prosecutors more power to crack down on telemarketers who solicit for charities but keep most of the money for themselves.

Officials from Illinois and 18 other states want to prosecute some telemarketers for consumer fraud.

Charitable solicitations generate over \$200 billion per year, yet a relatively small percentage of this money actually supports a charity.

In the case before the court, a group called Telemarketing Associates solicited on behalf of VietNow, which provides food and shelter for Vietnam War veterans.

But Illinois prosecutors said only 3 percent of the money solicited by Telemarketing Associates supports Vietnam veterans.

State prosecutors, however, have run into a surprising obstacle: the First Amendment and its protections of freedom of speech.

In past rulings, the high court has said states cannot force solicitors to speak a certain message or disclose certain facts, such as what percentage of money will go to charity. These rulings have knocked down a series of state laws and local ordinances that required fundraisers to tell the public just where the money will go.

R.J. Reynolds Wins Court Case On Cigarette Smuggling

LOS ANGELES TIMES

The tobacco industry scored a legal victory Monday when the U.S. Supreme Court refused to hear a cigarette smuggling case filed by the government of Canada against R.J. Reynolds Tobacco Co.

Canada had asked the court to reinstate the suit, in which it accused RJR and several affiliates of violating U.S. anti-racketeering laws by colluding with smugglers during the 1990s to sell billions of cigarettes on the Canadian black market in a giant tax evasion scheme.

In a 2-1 decision last year, the 2nd U.S. Circuit Court of Appeals upheld a lower court ruling that the case was barred by the "revenue rule," a 17th century common law doctrine that prevents foreign countries from pursuing alleged tax cheats in U.S. courts.

Canada argued in its appeal that the rule had been interpreted too broadly, and that it was not seeking unpaid taxes but damages for violations of U.S. fraud and anti-racketeering laws.

"We're very disappointed that the Court decided that the time wasn't ripe for review," said Gordon Bourgard, senior general counsel with the Canadian Department of Justice. Bourgard described the decision as "at cross purposes" with combating international smuggling.

U.S. Allies Unconvinced Of Iraq, al-Qaida Connection

LOS ANGELES TIMES

As the Bush administration prepares for a possible military attack on Iraq that it describes as the next logical step in its war on terror, some of its strongest front-line allies in that war dispute Washington's allegations that the Iraqi regime has significant ties to al-Qaida.

In recent interviews, top investigative magistrates, prosecutors, police and intelligence officials who have been fighting al-Qaida in Europe said they are concerned about attempts by President Bush and his aides to link Iraqi President Saddam Hussein to Osama bin Laden's terror network.

"We have found no evidence of links between Iraq and al-Qaida," said Jean-Louis Bruguiere, the French judge who is the dean of the region's investigators after two decades fighting Islamic and Middle Eastern terrorists. "And we are working on 50 cases involving al-Qaida or radical Islamic cells. I think if there were such links, we would have found them. But we have found no serious connections whatsoever."

U.S. Drops Bomb in Yemen, Kills Six al-Qaida Operatives

By Greg Miller and Josh Meyer

LOS ANGELES TIMES

WASHINGTON

A missile fired from an unmanned CIA surveillance aircraft over Yemen killed six al-Qaida operatives, including one of the terrorist network's most senior figures — a man the United States had hunted for years, U.S. officials said Monday.

The strike represented a sharp escalation in tactics in the Bush administration's war on terrorism, demonstrating for the first time that the United States is willing to launch military-style assaults on al-Qaida members far from the theater of war in Afghanistan.

The principal target in the attack Sunday was Qaed Sinan Harithi, a Yemeni who intelligence officials said was among the top 12 figures in al-Qaida. He was a key suspect in the bombings of the U.S. destroyer Cole in Yemen in 2000 that killed 17 U.S. sailors and the recent bombing of a French tanker.

President Bush did not directly address the incident Monday, but reiterated that he is determined to eliminate al-Qaida.

"The only way to treat them is [for] what they are — international

killers," Bush said during a campaign stop in Arkansas. "And the only way to find them is to be patient, and steadfast, and hunt them down. And the United States of America is doing just that," he said. "We're in it for the long haul."

Defense Secretary Donald H. Rumsfeld made it clear that the United States was pleased with the outcome of the attack, although he declined to discuss details.

Harithi "has been sought after as an al-Qaida member, as well as a suspected terrorist connected to the USS Cole," Rumsfeld said. "So it would be a very good thing if he were out of business."

Pentagon officials declined to comment on the bombing, except to say that the U.S. military was not involved. CIA officials also refused to comment.

But U.S. officials who spoke on condition that they not be identified confirmed that the strike was carried out by a CIA-run Predator aircraft, an unmanned surveillance drone armed with Hellfire anti-tank missiles.

The attack was said to have occurred in a rugged area in northern Yemen, an impoverished Per-

sian Gulf nation long considered a haven for Islamic militants before it was reluctantly drawn into the campaign against al-Qaida following the Sept. 11 attacks.

Some news reports from Yemen cited witnesses who said there was a secondary explosion after the vehicle was hit, indicating it may have been packed with explosives. Television footage from the scene showed little more than a charred patch of earth. An Interior Ministry official told Yemen's Saba news agency that arms, traces of explosives and communications equipment were found in the car the suspects were driving in remote Marib province.

U.S. intelligence officials said Harithi was the highest-ranking al-Qaida figure in Yemen, a one-time bodyguard to Osama bin Laden who had risen rapidly in the ranks of the organization. Yemen is bin Laden's ancestral home.

Yemeni authorities reportedly detained or expelled dozens of al-Qaida figures after the Sept. 11 attacks. But much of the nation remains lawless, particularly along barren stretches of the Yemen-Saudi-Arabia border dominated by powerful tribes.

Ventura Appoints Independent, Replaces Late Senator Wellstone

By Helen Dewar

THE WASHINGTON POST

Minnesota Gov. Jesse Ventura's choice of longtime ally Dean Barkley as temporary successor to the late Sen. Paul Wellstone (D-Minn.) gives the Senate a second independent member and adds to the uncertainty over which party is likely to control the narrowly divided Senate in a post-election session scheduled to start Nov. 12.

Barkley, 52, is one of Ventura's closest advisers and a co-founder of the state's third-party movement. He helped persuade Ventura to run for governor in 1998 and managed his campaign. He ran twice for the Senate as an independent and, while losing, drew enough votes to put Ventura's Independence Party —

which grew out of Ross Perot's Reform Party — on the ballot in the state.

An attorney who describes himself as a fiscal conservative with a libertarian bent on social issues, Barkley in the past has supported public financing of campaigns, tighter controls on entitlement spending, constraints on government growth, a "flat" income tax with a surtax on high incomes, abortion rights and recognition for gay marriages. He has been head of the state's planning office.

As of Monday, it was unclear whether Barkley would align himself with the Democrats or Republicans — or with neither — in the "lame-duck" session. Without Barkley, the Senate is narrowly con-

trolled by the Democrats. Each party has 49 votes, and Vermont Sen. James Jeffords, an independent, sides with the Democrats, giving them a one-vote majority.

After Ventura announced the appointment, Barkley told reporters he did not know how he would align himself when the Senate reconvenes next week. "[Jeffords] was a moderate Republican spurned by his own party," Barkley said. "I can get along with moderate Democrats and moderate Republicans."

Under Minnesota law, according to the state attorney general's office, he would relinquish the seat when the winner of Tuesday's senatorial vote is officially certified Nov. 19 as the state's new senator.

WEATHER

Election Day Sunshine

By Samantha Hess

A normal day at the beginning of November in Boston would have a high of 60°F and a low of 45°F. However, we have been nowhere near that lately, and even missed a record low on Saturday by only one degree. Long-term forecasts show that significant warming will not happen until next week at the earliest. Today's sunshine and high near 50°F, therefore, is the best that can be expected for a while.

Wednesday looks to be an exciting day by weather standards. A high astronomical tide will likely be pushing coastal tides a foot to a foot and a half above normal. In addition, a Nor'easter will be riding up the Eastern Seaboard, creating 10- to 15-foot waves. The combination will likely mean significant coastal flooding and beach erosion. Inland, we will see plenty of wind and a cold, soaking rain, possibly beginning late Tuesday night as snow. The danger of snow accumulation is limited to higher elevations out west; however, any significant accumulation there would likely lead to tree limbs breaking since the trees still have leaves.

So take advantage of today's relatively beautiful weather to go out and vote!

Extended Forecast

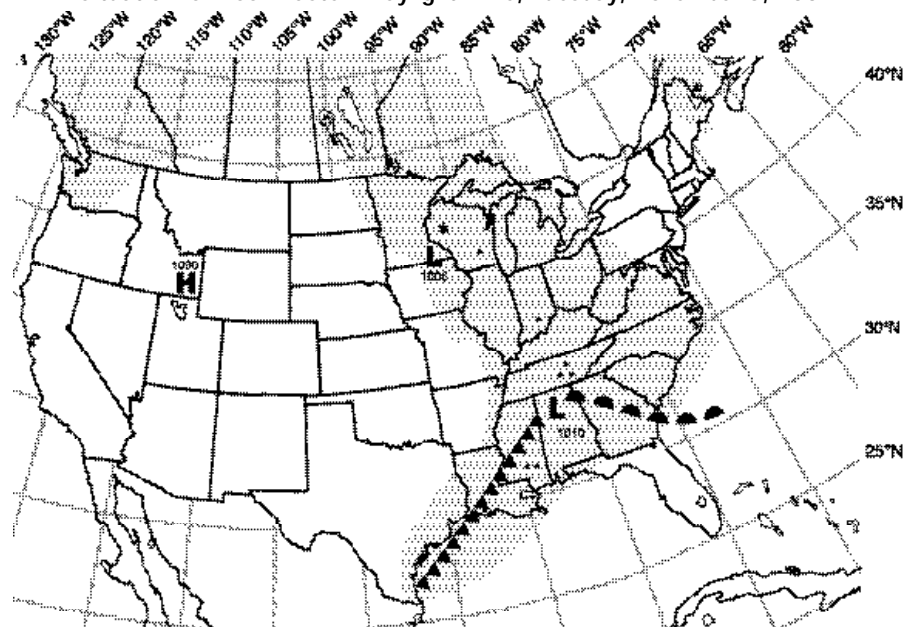
Today: Mostly sunny. High 47°F (8°C).

Tonight: Rain, possibly a bit of snow, starting late. Low 37°F (3°C).

Wednesday: Rainy, cool, and windy. High 43°F (6°C), low 34°F (1°C).

Thursday: Partly cloudy and breezy. High 48°F (9°C), low 33°F (1°C).

Situation for Noon Eastern Daylight Time, Tuesday, November 5, 2002



Narrow Margins Predominate In 2002 Congressional Elections

THE WASHINGTON POST

WASHINGTON

The most competitive midterm election in half a century raced toward conclusion Monday with Republicans running uphill in their bid to retake control of the Senate and Democrats struggling to avoid losing seats to the GOP majority in the House.

President Bush, his personal prestige heavily invested in the outcome of Tuesday's balloting, blitzed through four states with competitive House and Senate contests as both parties prepared the most extensive get-out-the-vote operations seen in any recent off-year contest.

Nine Senate races — four held by the Democrats and five by the GOP — remained in doubt on the

next-to-last day of an election in which small shifts will produce a dramatic impact on the balance of power in Washington during the final two years of Bush's first term. In the House, Democrats will need to win an overwhelming percentage of the close races to gain the six seats necessary to take back the majority for the first time since 1994, with Republicans speaking more confidently about making history by gaining seats.

All 435 House seats are up for reelection this year, along with 34 of the 100 Senate seats. There are 36 gubernatorial elections at stake, with Republicans likely to lose the majority they have enjoyed in the statehouses since the 1994 landslide election.

With so many close races and the expectation that only a few seats will change hands in the House and Senate, Election 2002 appeared likely to become a reaffirmation of the 50-50 split within the country that produced the deadlocked election of 2000.

In the Senate races, strategists in both parties said Arkansas was the most probable candidate for a Democratic pickup, with Missouri as the likeliest gain for the GOP. Other Republican vulnerabilities include Colorado, New Hampshire, North Carolina and Texas. The other vulnerable Democratic seats include South Dakota, Minnesota, Georgia and Louisiana, where Sen. Mary Landrieu needs to win 50 percent to avoid a Dec. 7 runoff.

Suicide Bomber Attacks Tel Aviv Shopping Mall, Kills 2, Injures 15

By Laura King
LOS ANGELES TIMES

JERUSALEM

A Palestinian suicide bomber made his way to the edge of an open-air shopping mall in a leafy Tel Aviv bedroom community at dusk Monday and detonated a bomb strapped to his body, killing two Israelis and injuring at least 15 others, including two infants.

A security guard, who was one of those killed, managed to block the bomber from entering the mall and causing many more casualties, authorities said.

The latest violence came against a backdrop of political drama triggered by the collapse last week of Prime Minister Ariel Sharon's

alliance with the left-center Labor Party, which pulled out of his coalition and left him without a parliamentary majority.

Sharon's minority government survived a succession of three no-confidence votes in the Knesset, Israel's parliament, only moments before the suicide attack in the central city of Kfar Sava, six miles from Tel Aviv. It was the second suicide bombing aimed at Israelis in six days.

The parliamentary proceedings, said Cabinet Minister Danny Naveh, were held "in the suffocating atmosphere of a new attack ... a new reminder that we are still facing a war of terror."

Initial reports of the suicide blast were just filtering in as Lt. Gen.

Shaul Mofaz, the architect of some of Israel's harshest measures against the Palestinians, was sworn in as Sharon's new defense minister.

Mofaz's term as military chief of staff ended in July, raising unease in some quarters that the transition period was too short between his army career, in which he oversaw day-to-day Israeli operations in the West Bank and Gaza Strip, and his new Cabinet position, in which he will be involved in making policy regarding the Palestinians.

"It is totally unhealthy," said lawmaker Yossi Sarid, whose left-leaning Meretz Party led the fight against Mofaz's confirmation and also spearheaded the no-confidence votes against Sharon.

China Signs Accords With ASEAN On Disputed Territory, Free Trade

THE WASHINGTON POST

The Chinese government signed agreements Monday with the 10 countries of Southeast Asia to prevent open conflict over long-disputed areas of the South China Sea and to establish the world's largest free trade zone over the next decade.

The two deals, approved at a summit meeting in Phnom Penh, Cambodia, of the Association of Southeast Asian Nations (ASEAN), underscored China's growing influence in an area of the world worried about the rising military and economic strength of China but nonetheless eager to develop good ties with the giant neighbor. The meeting also demonstrated Beijing's increasing willingness to take a leadership role in international affairs.

After years of negotiations, the association — which is composed of Brunei, Burma, Cambodia, Indonesia, Laos, Malaysia, the Philippines, Singapore, Thailand and Vietnam — reached agreement with China on a nonbinding declaration intended to reduce the chances of military confrontation over the Spratly Islands and other disputed areas.

In the declaration, all the parties agreed to exercise self-restraint in any activities that could touch off a conflict, such as settling the islands, and to give advance notice of any military exercises.

Saddam Hints Iraq Might Comply With Security Council Resolution

THE WASHINGTON POST

President Saddam Hussein hinted Monday that Iraq might be willing to comply with a new U.N. Security Council resolution proposed by the United States that calls for more stringent weapons inspections, apparently reversing earlier opposition to any changes in the inspection process.

Saddam's government has insisted for weeks it would agree to inspections only under existing arrangements with the United Nations and not under new rules sought by the Bush administration that are designed to give inspectors greater authority to conduct unannounced searches of Saddam's palaces and other sensitive Iraqi installations.

But Monday, Iraq's state-run television network quoted Saddam as telling a far-right Austrian politician, Joerg Haider, that Iraq would wait to see the terms of a new resolution before deciding whether to comply. "If a resolution is issued that respects the U.N. Charter, international law and Iraq's sovereignty, security and independence, and does not provide a cover for America's ill intentions, we will look into whether we will deal with it," Saddam was quoted as saying.

In a separate meeting with an envoy from South Africa, Saddam was even more explicit. The Iraqi leader, according to state television, said his nation would "respect any decision that is issued in accordance with the U.N. Charter and international law."



GSC General Council Meeting Tomorrow!

November 6th, Wednesday 5.30p.m
GSC Office 50-220
Walker Memorial Building

<http://gsc.mit.edu>
50-220 Ph:x3-2195

*Know about International Student Rights
Listen to Chancellor Clay's Institute Budget Presentation
Get updates on advocacy issues: What's happening to YOUR student life fee?
Dinner will be provided!*

Leadership opportunities for you

* Open GSC Department / Institute Representatives

* Graduate Student News:

Managing editor: Paid Position (1 opening).

Business Manager (2 openings).

* Housing & Community Affairs Committee:

Project Leader: Comparative study of stipends

Off-Campus Housing Sub-committee

* Academics Research and Careers Committee:

Awards Committee Chair (2-3 Openings)

Prof. Development Seminar Committee Chair (1-2 Openings)

* MIT Research Expo 2003: Fund Raiser

* Spring Orientation Event Volunteers

* GSC Ski Trip 2003 Event Volunteer

* Rep on MIT Campus dining Board (3 openings)

* Rep on MIT Card Committee (1 opening)

Email gsc-request@mit.edu to get involved!!

November 2002 : Calendar

Meetings*:

Nov 6th 5.30p.m. General Council Meeting

Nov 7th 5:30p.m. Activities Committee

Nov 12th 6:30p.m. Graduate Student News

Nov 19th 5:00p.m. Housing & Community Affairs Committee

Nov 21st 5.30p.m. Academics Research & Careers Committee

Nov 26th 5.30p.m. Publications and Publicity Board

*Venue: GSC Office, 50-220 (Walker Memorial Building)

OPINION



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Letter To The Editor

Green Party Candidates Worth Your Vote

Here is a word of encouragement to any progressives who are still undecided about

today's election. The media and celebrity blitz staged by the democratic party in the last four days is proof that the Green Party campaign is making a difference and that Jill Stein for governor is a very well spent vote. In their pleas to progressive voters, Kennedy, Reich, Tolman and O'Brien herself are only trying to use our intrinsic fear of Mitt Romney to silence our

most important chance to voice our opinion. None of them has tried to argue that O'Brien will actually represent the progressive constituency, because they all know that she won't. This is your best chance in four years to send a message to the democratic party: Candidates like Shannon O'Brien do not represent us!

Brad Friedman G

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, executive editor, news editors, features editor, and opinion editors.

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

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

Letters to the editor are welcome. 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 and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express prior approval of *The Tech*. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. *The Tech* makes no commitment to publish all the letters received.

To Reach Us

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Clockwatching

Andrew C. Thomas

It only hits me every so often how impatient I can get at times — or, for that matter, how impatient any of us are. One simple example: At 9:00 a.m. on Monday morning, a countdown timer starts in our heads.

It begins at a reading of 104 hours.

This, of course, represents the amount of time left until Friday afternoon at 5:00 p.m. I once noticed a physical example of this timer on a downtown billboard. It was placed there courtesy of a beer company, to

remind us that fun, relaxation, and the consumption of their particular brand of fine pilsner was only, say, 52 hours away, if noted on Wednesday around lunch time.

Once I'm aware of this timer — or, any other society-, work-, or self-imposed countdown — it occupies my field of vision.

Lectures, sadly, have the same condition, where the passage of the second hand of the clock becomes far more interesting than the lecturer's words. Even at fun events like hockey games, as the clock drops slowly to zero,

attention can often waver from the action on the ice to the countdown of the digits. Just to reinforce this, for some reason, the game clock will go from counting seconds to tenths of seconds at the one-minute mark. While this is done for scoring purposes, surely the organizers believe that the game will be more

exciting if the clock, which at this point in the game has likely become a critical focus of attention, has become an order of magnitude more interesting.

Now, it seems that a vast number of people succumb to this condition of clockwatching, and determine the passage of their lives according to whatever chronometer they can follow. C.S. Lewis, one of my favorite authors, said in his novel *The Screwtape Letters*, "The future is something which everyone reaches at the rate of sixty minutes an hour, whatever he does, whoever he is." As true as this statement is, it is nowhere near the truth of human experience, especially as seen by the hockey clock.

The entire experience of which I speak is directly reflective of our own interpretation of the world around us. Albert Einstein was an incredible scientist because of his imagina-

tion. A favorite quote of mine directly reflects human nature: "When you are courting a nice girl an hour seems like a second. When you sit on a red-hot cinder a second seems like an hour. That's relativity." Certainly he understands the power within all of us to perceive the world at different rates. No doubt everyone has experienced the feeling that the first 10 minutes of an exam seem to go by at a much slower rate than the last 10.

A larger timescale imposes itself here at MIT, that of the long weekend. We have the luxury of an extra day of rest every few weeks, and a rather large number of MIT students set their internal calendars to the passing of these dates. Perhaps their workloads require them to work across normal weekends, and the extra day is somehow essential to their well-being. Maybe they just don't know how to manage their time well enough in order to make use of the weekend in order to rest. But the beat of the MIT heart this November will certainly be calibrated to Veteran's Day and Thanksgiving.

Every time I walk through the Infinite Corridor, I make a point of checking the time twice — once at Lobby 7, and once at the open nanotech lab in building 8. Perhaps I'm trying to calibrate my entire life to these two clocks. Maybe I should try to get distracted by many more interesting things that will draw my attention away. Try putting your watches in your pockets — see how much different the world looks when you stop trying to line your view of it up to its physical rotation.

You might be amazed.

The entire experience of which I speak is directly reflective of our own interpretation of the world around us. No doubt everyone has experienced the feeling that the first 10 minutes of an exam seem to go by at a much slower rate than the last 10.

Darwin's Advocate

Philip Burrowes

Remember *Angels in the Outfield* (1951)? Well, for those of you unversed in America's historical fascination with apotheosizing/damning its secular sectors, the premise of the movie is that it would take divine intervention for the pitiful Pittsburgh Pirates to win. Following the success of *Mighty Ducks*, Walt Disney updated the film in 1994, this time oh-so-wittily featuring the then-California Angels, then bought the actual franchise and renamed it. Six years later, the Angels won a world series, sadly too late for the Disney Afternoon.

People don't really care that the Angels are owned by a greedy, bloodsucking conglomerate that succeeds almost solely through the good name fostered by its ego-maniacally avuncular eponym. (That's Uncle Walt for you.) Nor does the implicit association between the unpredictably creative sport of baseball and a film proud of its reliance on the ultimate contrivance — *deus ex machina* — give many pause. Why? Maybe because Disney isn't George Steinbrenner. Or maybe the public realizes there can be some worth to organizations funded by morally or culturally bankrupt means.

District Judge Kollar-Kotelly seems to agree. Her acceptance of the antitrust settlement between the Department of Justice and Microsoft displayed a degree of thoughtfulness absent from most of Microsoft's detractors, who are just haters that would probably do worse given the power. Apple is an auto-

crat of its little corner of the universe, in control of software and hardware. Sun's proprietary mandate over Java makes sense given its cross-platform nature, but how long before someone starts complaining about that too? Then there's AOL Time Warner, which left Virginia Ave. to dry up while buying Atlantic, so it wants to put a Luxury Tax on all the peo-

ple who stay on Baltic because its close to Go. None of them want to compete with Microsoft, regardless of the terms.

Bill Gates can't even put up butterflies without someone complaining. Sure, the "guerrilla" advertising techniques his company has used in cities to promote [look, if we reprinted the name here he'd have won] is illegal, but, come on,

they're butterflies. At least it's more honest than IBM appropriating Tux and peace signs to pretend it has some real association with Linux. At least butterflies are pretty. We should beg the campaign to come to the Boston metropolitan area. Think of the funding from fines!

Governments wouldn't dare do any such thing (openly) because on one level it's probably entrapment, and on another heaven forbid you're a friend of big business. This country is founded on the basis of self-determination for landed gentry. Sure, it's also founded on a racial caste and ethnic cleansing, but you couldn't very well do those in today's society. Rich individuals still have to be protected, however, from the poorer and unsympathetic. Witness "tamperproof" CDs from artists like Santana, whose corporations don't want to be exploited through the informal electric economy of file-swapping. Consumers who lack any

creative ability (especially DJs) decry the action, longing to obviate actually supporting the artists they listen to only because popular discourse (radio/MTV) so dictates. Yes, the same issue existed upon the advent of audio and video tapes, but mass production by individuals of mp3s and various discs are much easier.

Luckily, George W. Bush is not afraid to take a stand against such populist sentiments. Caricaturists take the easy way out, depicting him as a byproduct of political nepotism and the base power of money. Even if that were the case, so what? Given how many times we see the masses selectively protesting capitalism, wouldn't it be fair to let the other side of the debate have some support? That the conversation is out of balance because Bush holds more power than his opponents is not his fault; it's not like he won an election under his own power.

Speaking of elections, it is absolutely not your democratic duty to vote today. You have a responsibility to articulate your opinion through the franchise, but flippantly deciding to vote a party ticket or simply following a trusted publication's equally ill-researched editorial actually taints the process. If the mere act of casting a vote somehow strengthened society, the Communists would kicking capitalist tail at more than basketball. A process of following the events of the day, establishing opinions through internal debate, testing those beliefs against peers engaged in a parallel process, and then proceeding to vote upon the thereby synthesized thesis is the ideal. Voting is merely a mechanism for encouraging such engagement, and the collectively educated populace which it produces. When that mechanism is abused by otherwise disinterested individuals, it mathematically dilutes the power of the intelligent bloc, and the results inevitably disappoint. Nobody wants to be ruled ... er ... lead by those "elected" due to the ignorant, naive, and gullible. Just stay home.

It is absolutely not your democratic duty to vote today. Flippantly deciding to vote a party ticket or simply following a trusted publication's equally ill-researched editorial actually taints the process.

Vote No On Two

Stephanie W. Wang

"Paige, a black former football coach, is believed to have obtained his job largely due to George W. Bush's intense support for 'Affirmative Access,' and is widely regarded as the dimmest member of the Bush Cabinet." This is the latest bigoted statement made by Ron Unz, the California millionaire businessman behind Question Two on the Massachusetts ballot which is modeled after Proposition 227 passed in 1998 in California, also initiated by him. In another statement, Unz proceeded to berate the Massachusetts populace, of which he is not a member, for not supporting the anti-gay marriage amendment to the constitution as well as the initiative calling an end to state income tax. The initiative to rid state public education systems of bilingual education is his most potentially damaging statement of ignorance and bigotry.

Ballot initiative two seeks to replace the current law that provides transitional bilingual education in public schools with a law that dictates "all children in Massachusetts public schools shall be taught English by

The California Standard Nine test scores show that the English immersion program there, like the one proposed in Question Two, is failing miserably.

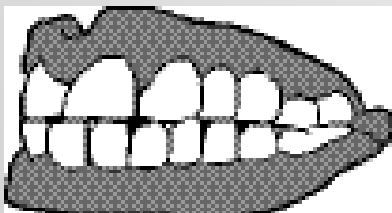
being taught in English and all children shall be placed in English language classrooms" with very few exceptions. English learners would be placed in an English immersion program, usually for a maximum of one year, where all books and almost all teaching would be in English with the teachers using a minimal amount of a student's native language when deemed absolutely necessary. From then on, the students would be placed in mainstream classrooms theoretically well on their way to reaching fluency.

Furthermore, if this initiative passes, teachers can be sued for speaking to a non-English student in her native language, regardless of motivations for doing so. In fact, "any school district employee, school committee member or other elected official or administrator who willfully and repeatedly refuses to implement the terms of this chapter may be held personally liable for reasonable attorney's fees, costs and compensatory damages by the child's parents or legal guardian." Even more outrageous is the provision that "any individual found so liable shall be barred from employment in any public school district for a period of five years."

Almost no one would argue about the importance of learning English or getting a good education in this country, but does this initiative provide for the best mechanism to do so? The answer is a resounding no. Empirically, the California Standard Nine test scores show that the English immersion program there, like the one proposed in Question Two, is failing miserably. Not only have the immersed students not gained fluency at the end of one year as theorized by the Unz supporters, the gap in performance on all subjects are widening between native English speakers and English learners. Instead of the "90 percent reduction in the number of non-English speaking children in California's school system within one or two years" that was supposed to take place, less than 10 percent are designated as fluent enough each year to go to mainstream classes.

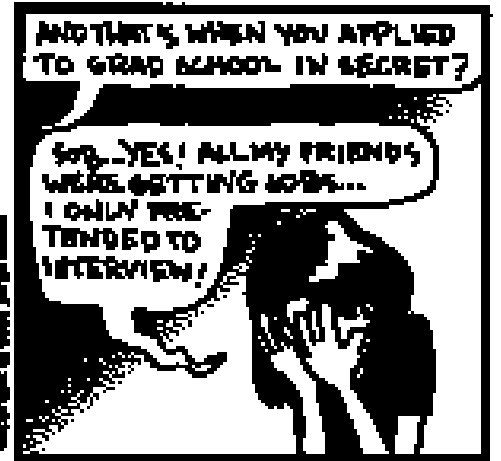
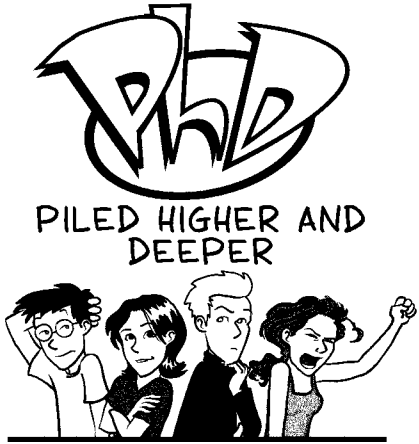
Should the Massachusetts education system be subjugated to the will of a man with no experience in education policy and no ties to Massachusetts, an extremist who is obviously pushing a political agenda that includes racism, classism, and homophobia? Could this California businessman possibly have had the interests of Massachusetts children in mind when he formulated such a reactionary, uninformed initiative that hurts their education? Should educators be forced to do what they don't believe is the best for their students under the fear of punishment by law? If you answer no to these questions, please answer no to Question Two when you vote today.

Still have your wisdom teeth?



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FoxTrot by Bill Amend

Dilbert® by Scott Adams

Crossword Puzzle

Solution, page 17

Events Calendar

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

Tuesday, November 5

9:00 a.m. – Open Enrollment Period. Open Enrollment period for all faculty and staff to change their 2003 benefits selections. free. Room: Web. Sponsor: Financial Systems Services. Benefits Office.

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

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

12:00 p.m. - 1:00 p.m. – Jeff Raikes, Group Vice President, Productivity and Business Services, Microsoft. Jeff Raikes is a 20-year Microsoft veteran, a member of Microsoft's Senior Leadership Team and the Group Vice President of Microsoft's Productivity and Business Services group. He'll offer his perspective on the company and on the "Future of Business Productivity" and will be available for Q&A. free. Room: E51-315. Sponsor: MIT EntrepreneurshipCenter, MediaTech Club.

2:00 p.m. – Admissions Information Session. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

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

4:00 p.m. - 5:00 p.m. – MTL VLSI Seminar Series. Digital Signal Processors: Past, Present, and Future. free. Room: 34-101. Sponsor: MTL VLSI Seminar.

4:00 p.m. - 6:00 p.m. – Doc Edgerton's side scan and penetrating sonars in Israeli underwater archaeology. In the early 1960s, Doc Edgerton volunteered his services and his equipment to aid Israeli marine archaeologists following the successful use of his 'mud penetrator' in the survey of the Caesarea harbor installations. Throughout the 1970s and 1980s he continued his collaboration with Israeli, Italian and American scientists in search of submerged shipwrecks and harbor installations along the Israeli coast and Sardinia. Prof. Linder will talk about his personal and professional connections with Doc Edgerton, and how their work together influenced Israeli underwater archaeology. free. Room: E51-063. Sponsor: DeepArch.

4:00 p.m. - 5:00 p.m. – Mech Seminar: Air-Flow Mechanisms During Air-Sparging Operations. In situ air sparging (IAS) is a technology that is used to remediate soil and groundwater contaminated with volatile non-aqueous phase liquids. During IAS, air (or another gas) is injected into an aquifer below the zone of contamination. As the air travels upward through the aquifer, contaminants in the zone of influence of the air plume are removed through volatilization and/or aerobic biodegradation. Because of its low cost, efficiency and apparent effectiveness, IAS has become very popular in the United States. Despite this fact, understanding of the factors influencing IAS behavior and its efficiency remain incomplete. free. Room: 1-350. Sponsor: Engineering & Environmental Mechanics Group.

4:00 p.m. - 5:00 p.m. – TAKING STOCK—A Look at Engineering Education at the End of the Twentieth Century and Beyond. free. Room: 4-237. Sponsor: Mechanical Engineering Dept.

4:00 p.m. – MIT Astrophysics Colloquium. "High-Frequency X-Ray Oscillations from Neutron Stars and Black Holes: Probing Strong-Field Gravity and the Properties of Ultradense Matter." free. Room: MIT Center for Space Research, 70 Vassar Street, Room 37-252, Cambridge, MA. Sponsor: Astrophysics.

4:15 p.m. - 5:15 p.m. – The Problem of the Thirteen Spheres. ORC Fall Seminar Series. Seminar reception immediately following in the Philip M. Morse Reading Room, E40-106. free. Room: E40-298. Sponsor: Operations Research Center.

4:15 p.m. - 5:30 p.m. – GTL Seminar Series. Rolls-Royce: A Key Partner in the JSF Program. free. Room: 31-161. Sponsor: Gas Turbine Laboratory, AeroAstro.

4:30 p.m. - 6:30 p.m. – "Immigration Policies, Terrorism, and the Extreme Right in Europe." A session of the Inter-University Committee on International Migration. Co-sponsored by the MIT France Program and the Center for European Studies at Harvard University. free. Room: E38-615. Sponsor: Center for International Studies.

6:00 p.m. - 7:30 p.m. – Toastmasters@MIT Evening Meetings. 77 Mass. Avenue, Cambridge, Building 2, Room 2-131. free. Sponsor: Toastmasters.

6:30 p.m. – Architecture Lecture. "Frank Lloyd Wright's New York Towers." Lecture by Hilary Ballon, PhD '85, architectural historian, Columbia University. free. Room: Rm 10-250. Sponsor: Department of Architecture.

Wednesday, November 6

9:00 a.m. – Visiting Committee for the Engineering Systems Division. Biennial visit of the Corporation Visiting Committee for the Engineering Systems Division. Room: MIT Faculty Club. Sponsor: Corporation Office.

9:00 a.m. – Open Enrollment Period. Open Enrollment period for all faculty and staff to change their 2003 benefits selections. free. Room: Web. Sponsor: Financial Systems Services. Benefits Office.

10:00 a.m. – Admissions Information Session. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

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

11:00 a.m. - 12:00 p.m. – Optics & Quantum Electronics Seminar. Tunable Micro-Opto-Electro-Mechanical Filters Using Transverse Mode Controlled Optical Resonators. free. Room: Grier Room B, 34-401B. Sponsor: Optics.

12:00 p.m. - 1:00 p.m. – "Pleasures of Poetry" Seminar. Discussion of "The Ballad of Hind Horn" led by Ruth Perry. Packets containing all of the poems are available from the Literature Office (Rm 14N-407). free. Room: Rm 14N-304. Sponsor: Literature Section.

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

12:00 p.m. - 1:00 p.m. – "Pleasures of Poetry" Seminar. Discussion of "The Ballad of Hind Horn" led by Ruth Perry. Packets containing all of the poems are available from the Literature Office (Rm 14N-407). free. Room: Rm 14N-304. Sponsor: Literature Section.

12:30 p.m. - 2:00 p.m. – Pathways to Sustainable Industrial Transformations: Co-optimizing competitiveness, employment, and environment. This presentation reports on a 2-year project focusing on an examination of 3 case studies of possible future industrial transformations in which improvements in competitiveness, environment, and employment are simultaneously achieved. The cases include: flexible, modular, manufactured construction for housing; biomass-based chemistry; and multiple sustainable land use. The research is in the spirit of the Dutch notion of 'backcasting' in which having identified future desirable transformations endorsed by stakeholders-collaborative experiments, policies, and instruments are designed, targeted, and implemented to achieve those transformations. free. Room: E40-496. Sponsor: Laboratory for Energy and the Environment.

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

2:00 p.m. – Admissions Information Session. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

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

3:00 p.m. - 5:00 p.m. – spouses&partners@mit: Culture Shock & Delayed Culture Shock. Join us as we discuss this normal and at times confusing response to moving to another country. Learn what culture shock is, and how to integrate your experiences in a useful way. Childcare provided. free. Room: W20-400. Sponsor: spouses&partners@mit, MIT Medical.

4:00 p.m. - 6:00 p.m. – Nanostructures Seminar Series. Dr. Empedocles is a Co-founder and Director of Business Development at Nanosys Inc. He has spent several years in the field of nanotechnology, working on the fundamental study of nanomaterials and the commercialization of nanotechnology-enabled products and systems. Dr. Empedocles was an early employee at Quantum Dot Corporation, developing novel nano-based fluorescent tags and detection systems for use in biological testing. Most recently, he was part of the start-up team at Ultraphotonics, developing nano-based telecommunications technologies. free. Room: 4-163. Sponsor: Nanostructures Laboratory.

4:15 p.m. - 5:15 p.m. – Locally Planar Geometric Graphs. Refreshments will be served at 3:30 PM in Room 2-349. free. Room: Room 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.

5:00 p.m. - 7:00 p.m. – MIT Communications Forum: Copyright and Culture. In this third of three linked forums, we explore the relationship between copyright, culture and digital technologies. free. Room: Bartos Theater. Sponsor: Communications Forum.

5:30 p.m. - 7:30 p.m. – "environment, circa 1973." HTC Forum. Reinhold Martin teaches in the History Theory Ph.D. program at Columbia University and directs the second professional Masters program there. His work has been published in major magazines (Assemblage, etc.) and a number of published compendiums. He has a forthcoming book out of MIT Press, based on his doctoral dissertation. The book addresses shifts in American architecture in the post-war era with reference to corporate architectures, cybernetic thought espoused by figures such as Norbert Wiener, and the ideology underpinning IBM's Big Blue supercomputer. Martin is also an editor of Grey Room. free. Room: 3-133. Sponsor: History, Theory and Criticism of Architecture and Art.

6:00 p.m. - 9:00 p.m. – Start-up Clinic. Discover how to present a plan to potential investors at the MIT Enterprise Forum of Cambridge's Start-up Clinic. Two pre-selected companies present their business plans and receive feedback from a panel of experts and the audience over an informal dinner. The key learning points include how plans and presentations are evaluated; what investors and evaluators look for, and how to fine-tune plans and

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presentations. The event will be held at 6 PM the MIT Faculty Club. Registration fee is \$35 for Forum Members and \$45 for Non Members and includes dinner. Pre-Registration is Required. For more information or to register, visit: <http://www.mitforumcambridge.org/calendar/index.html> or call 617-253-8240. free. Room: MIT Faculty Club. 50 Memorial Drive 6th Floor. Sponsor: MIT Enterprise Forum of Cambridge, Inc.

7:00 p.m. - 8:30 p.m. – Buddhist Meditation: Guide to Bodhisattvas Way of Life. Meditation, Lecture, and Discussion on Shantideva's monumental philosophical treatise. free. Sponsor: Buddhist Community at MIT.

7:00 p.m. - 8:30 p.m. – 3B Symposium. Course 3 Senior Internship Presentation. free. Room: TBA. Sponsor: Dept. of Materials Science and Engineering.

7:00 p.m. - 9:00 p.m. – \$50K Panel - Finetuning pitches. Fine Tuning Your Executive Summary/Perfecting Your Pitch. free. Sponsor: MIT EntrepreneurshipCenter.

7:30 p.m. - 9:00 p.m. – Swing Dancing Lessons. free. Room: 36-156. Sponsor: Lindy Hop Society.

7:45 p.m. - 9:30 p.m. – The Singapore-MIT Alliance. Project Oxygen: Towards Pervasive, Human-Centered Computing. RSVP by 10/31/02. Room: MIT Building 3, Room 370. Sponsor: Singapore-MIT Alliance, Office of Corporate Relations/ILP.

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

8:00 p.m. – 8 Mile (SNEAK PREVIEW). The people of Detroit know 8 Mile as the city limit, a border, a boundary. It is also a psychological dividing line that separates Jimmy Smith Jr. (Eminem) from the mega-star he wants to be. Can a white kid with a blue vocabulary and lots of hate in his heart transcend his meager beginnings? 8 Mile is a provocative fictional examination of a critical week in Jimmy's life, starring multi-platinum recording artist Eminem, along with Kim Basinger as Jimmy's mother, Mekhi Phifer, Brittany Murphy and Eugene Byrd. Tickets available at 6pm in lobby 16. Rated R for strong language, sexuality, some violence and drug use. free. Room: 26-100. Sponsor: LSC.

8:00 p.m. - 10:00 p.m. – IFILM Film Seminar. Screening of a movie followed by a discussion. free. Sponsor: International Film Club.

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

Thursday, November 7

9:00 a.m. – Open Enrollment Period. Open Enrollment period for all faculty and staff to change their 2003 benefits selections. free. Room: Web. Sponsor: Financial Systems Services. Benefits Office.

10:00 a.m. – Admissions Information Session. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

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

11:30 a.m. - 12:30 p.m. – EMOTION & DESIGN. In this talk, Prof. Norman will present a new, three-level theory of human processing, and then show how this work can be applied to: the design of products and the development of autonomous machines. free. Room: Bartos Theatre Building E15. Sponsor: Media Lab.

12:00 p.m. - 1:00 p.m. – BrioQuery Quick Start. Learn how to download, install, and set up BrioQuery on your desktop. Learn how to download and process a standard report. An overview of the features and capabilities of BrioQuery will be given. Room: N42 Demo. Sponsor: Information Systems.

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

12:05 p.m. – MIT Chapel Concert. Na'ama Lion, Baroque flute Vivaldi's "Spring" from "The Four Seasons"; Handel's "The Messiah"; 18th century French love songs (Airs de Coeur); Bach's Partita in A minor. free. Room: MIT Chapel. Sponsor: Music and Theater Arts Section.

1:00 p.m. - 3:00 p.m. – Conversational English Class. Join us for a free conversational English class for international students and spouses at MIT. Most attendees are women able to speak freely who desire to increase their English skills. Class covers a variety of topics including American culture and holiday descriptions. Free. Room: W11 Board Room. Sponsor: Baptist Campus Ministry.

2:00 p.m. – Admissions Information Session. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

2:00 p.m. - 3:30 p.m. – Nuclear Energy and its Competitors in Mitigating Climate Change. Technical Seminar from MIT's Security Studies Program with visiting guest speaker Robert Williams- Senior Scientist from Princeton's Environmental Center for Energy Studies. free. Room: E38-615. Sponsor: Center for International Studies, Security Studies Program.

2:00 p.m. – New Eyes for Space Exploration: Upgrading the Hubble Space Telescope" by Astronaut John M. Grunsfeld. free. Room: 37-252 (Marlar Lounge). Sponsor: AeroAstro, Massachusetts Space Grant Consortium. Center for Space Research.

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

4:00 p.m. - 5:00 p.m. – Satellite observations of tropospheric chemistry. free. Room: 54-915. Sponsor: MIT Atmospheric Science Seminars.

4:00 p.m. - 8:30 p.m. – Mela (mini carnival). An Indian mini-carnival - lots of fun, games and food. Most stalls are free. Room: Julius Adams Stratton Student Center. Sponsor: Sangam. ARCADE.

4:00 p.m. - 5:30 p.m. – Ayalon-Nusseibeh: An Israeli-Palestinian Civil-Society Plan for Coexistence. This is a talk (with follow-up Q&A) by MIT Political Science Ph.D. Boaz Tamir. Dr. Tamir, an entrepreneur, has contributed to the founding and development of several Israeli companies and consulting firms. The Ayalon Nusseibeh proposal by PLO Jerusalem representative Sari Nusseibeh and former chief of Israel's Shin Bet, Ami Ayalon, proposes two states based on the 1967 borders, with Jerusalem as the open capital of both states. Ayalon and Nusseibeh have launched a petition campaign for their plan in the Occupied Territories and in Israel. Dr. Tamir will describe the plan, which he supports. (For plan details, see: <http://www.chicagopeacecnow.org/N%20Agreement%20top.htm>.) free. Room: 7th Floor Conference Room, E38, Center for International Studies. Sponsor: Center for International Studies.

4:15 p.m. - 5:15 p.m. – Physics Colloquium. "Life at the Strange Boundary of Science and the News Media." free. Room: 10-250. Sponsor: Physics Department.

4:30 p.m. - 6:00 p.m. – The MIT Workplace Center Presents: The Fall 2002 Seminar Series on "Labor/Management Partnerships for Working Families." Bridging the Gap Between Workplace Demands and Family Obligations: Lessons from the FORD/United Auto Workers Partnership. free. Room: E51-063. Sponsor: MIT Workplace Center.

5:00 p.m. – "Magic Realism and African American Gothic Melodrama," a talk by ("Eve's Bayou" and "Cave-man's Valentine") filmmaker Kasi Lemmons. Kasi Lemmons is the 2002-03 Katzenstein Memorial Fund Artist-in-Residence recipient. Sponsored by the MIT Comparative Media Studies Program, Special Programs/Office of the Arts, and the Program in Women's Studies. 5PM. 3-270. Info: 617-253-8844. free. Room: 3-270. Sponsor: Office of the Arts, Women's Studies Program, Comparative Media Studies.

5:30 p.m. - 8:00 p.m. – Water: Casus Belli or Source of Cooperation. Lecture about conflicts over water resources in the Middle East with special focus on recent events in Southern Lebanon. Lecture will be followed by questions and discussion. free. Room: 1-190. Sponsor: Lebanese Club at MIT.

6:00 p.m. - 8:00 p.m. – Biostrategy Seminar: Richard Pops. Biostrategy Seminar Series, featuring a lecture by Richard Pops, CEO Alkermes. free. Room: E51-315. Sponsor: MIT EntrepreneurshipCenter. Sloan Biostrategy Series.

6:00 p.m. - 8:00 p.m. – Ramadan@MIT Student Dinner. The MIT Muslim Students' Association and the Sidney Pacific Graduate Residence cordially invite you to dinner. Delicious food, interesting discussion, and warm conversation are guaranteed. The dinner is part of the Ramadan@MIT series held for the wider MIT community during the holy month of Ramadan, a time of fasting and spiritual renewal. free. Room: Sidney Pacific Graduate Residence Multi-purpose Room, 70 Pacific Street. Sponsor: Muslim students' Association. Sidney Pacific Graduate Residence.

6:30 p.m. – The Business of Biotech. A conference designed to address emerging issues in the biotech sector. --Talks-- "Investing in Biotech" --Christoph Westphal (General Partner, Polaris Ventures). "Regulatory Issues in Biotech" --Peter Hutt (former Chief Counsel, FDA; Partner, Covington and Burling). "Growing a Biotech Enterprise" -- Alan Crane (CEO, Momenta Pharmaceuticals). The talks will be followed by a panel discussion, and networking dinner. FREE for students, \$25 for professionals. Room: Wong Auditorium. Sponsor: Sangam. India Business Club.

7:00 p.m. - 9:00 p.m. – Is MIT segregated from the dormroom to the classroom?. If our educators can't figure out how to be diverse, how can we? Should MIT assign freshman housing in the future? What do you think? Be part of... CONVERSATIONS ABOUT RACE AND DIVERSITY ON CAMPUS. Come out and voice your opinion on these issues. free. Room: McCormick Brown Living Room. Sponsor: Pangaea, Campus Committee on Race Relations (CCRR). Advocates for Awareness, The Dean for Student Life, Dr. Williams, Chancellor Phillip Clay.

8:00 p.m. - 10:30 p.m. – IFILM Film Seminar. Screening of a movie followed by a discussion. free. Room: 4-237. Sponsor: International Film Club.

8:00 p.m. – Twelfth Night. Directed by Wanda Strukus; music composed by Yan-Yan Lam. \$8, \$6 MIT/Wellesley students. Room: Kresge Little Theater. Sponsor: Shakespeare Ensemble.

9:00 p.m. - 10:00 p.m. – SAVE Meeting. Join us when we discuss environmentalism at MIT in all its aspects, including: assisting the MIT administration to improve environmental conditions; taking a boat along the Charles to clean it; trips to local nature reserves; and plants for the MIT community. free. Room: 1-246. Sponsor: SAVE.

11:50 p.m. - 12:55 p.m. – Stuart Scantlebury, VP of Information Technology, Boston Consulting Group. Scantlebury is currently the Vice President of Information Technology at Boston Consulting Group. Prior to BCG, he spent 15 years at Andersen Consulting (now Accenture). He believes that a solid IT background, combined with business strategy expertise, is a highly valuable package of skills. More information to come! free. Sponsor: MIT EntrepreneurshipCenter. MediaTech Club.

THE ARTS

THEATER REVIEW

Twelfth Night

Shakespeare Visits the Interpretive Dance Ghetto

By Pey-Hua Hwang

STAFF WRITER

Twelfth Night
Little Kresge

Oct. 31–Nov. 2, Nov. 7–9, 8 p.m.

Written by Shakespeare

Directed by Wanda Strukus

MIT Shakespeare Ensemble

Upon walking into Little Kresge on Opening Night of the MIT Shakespeare Ensemble's version of *Twelfth Night*, I was struck by the emptiness of the stage and the graffiti on the set. I knew right away that it was not going to be the traditional version of the bard's comedy of mistaken identities and mischief. My intuition did not deceive me. The show opened with an interpretative dance of sorts, in which characters walked on and off the stage, posing in various ways, all set to a modernistic-style blues. What this dance had to do with the rest of the show I have yet to figure out. However, taken on its own merits it was interesting as a stand-alone piece. The second act had a similar starting dance as well; however, it was probably a quarter as long.

When the dance finished, Shakespeare's lines began. The actors were tentative at first, but grew measurably more confident as the play progressed. There were definitely one or two spots where lines seemed rushed or delayed due to stage nerves; however, there were also comic moments when one could forget the absurdity of portraying the Duke Orsino as a Jazz bar owner with loose women as his officers and dismiss the fact that the shipwrecked twins Sebastian and

Viola were somehow shipwrecked in what seemed like a seedy inner city. Matthew Lehar G was a wonderfully self-absorbed Malvolio with all of the pompousness of a Harvard Finals Club member. Rich C Reifsnnyder '03, who played Feste or "Fool," was also quite the scene-stealer of the evening. His delivery of Shakespeare's joy in word-play was both refreshing and natural sounding, and his rendition of Sir Topas the curate in the style of a television evangelist had the whole audience laughing. However, when the "Fool" was called upon to sing, whether the atonality was intentional or not, I wanted to plug my ears until the next scene began.

Catherine Miller '05 also gave a confident and believable portrayal of Lady Olivia, while Lisa R Messeri '04 would garner my award for the best imitation of hysterical laughter. James Dai G, as Sir Andrew Aguecheek,

was also able to make a normally forgettable part memorable through exaggerated physical comedy and incredible enthusiasm. Unfortunately, the two lead characters, Viola and the Duke Orsino, were fairly bland and didn't seem to emit much chemistry even in the most intense scenes.

The style of the show was very minimalist, perhaps not always fitting; however, certain effects were worth mentioning. The lighting and sound effects for the scene changes and the use of the whole theater for exits and entrances (actors entered through

the aisles of the audience) were effective for engaging the audience and giving the show a greater momentum. It was also impressive that merely adding a curtain here and a sign and a chair there could clearly signify a scene and a mood change.

Having seen several versions of *Twelfth Night*, this production ranks highly in its creativity and enthusiasm, but it loses points for polish and believability. *Twelfth Night* would not be something I dress up to go see, but for two hours of alternative, MIT-style Shakespeare, it might not be a bad choice.



MIGUEL CALLES—THE TECH

Count Orsino (Brian J. Keller '03) appears with his playmate Curio (Jennifer A. Martinez '03) in the Shakespeare Ensemble's rendition of *Twelfth Night*.

THEATER REVIEW

Marty

Heart and Soul, or the Lack Thereof

By Vladimir Zelevinsky

ADVISORY BOARD

Marty

Huntington Theatre

Oct. 18–Nov. 24

Book by Rupert Holmes

Lyrics by Lee Adams

Music by Charles Strouse

Based on the screenplay by Paddy Chayefsky

Directed by Mark Brokaw

Starring John C. Reilly, Anne Torsiglieri, Jim

Bracchitta, Barbara Andres, Marilyn

Pasekoff

I wonder what happened to the musicals where songs are an integral part of the story, where plot was not restricted to people talking but also took place when people were singing and dancing, a genre where you would actually look forward to the next musical number, something along the lines of *Guys and Dolls*, *Les Misérables*, *The Sound of Music*, or many dozens more.

Marty does not belong among these dozens. One reason might be the fact that it is adapted from another medium, two of them, as a matter of fact: the great Paddy Chayefsky wrote a TV movie in 1953 that was remade into a film two years later (and won the Best Picture Oscar). The TV movie is an hour long and the feature film is an hour and a half; the musical is longer than two hours — and here lies the problem.

The Huntington Theatre world premiere feels like a one-act show, padded to a lumbering two-act length by the inclusion of a dozen ballads. Each of these ballads, if taken by itself, would be perfectly nice — but when they are coming one after another, slowing the narrative to a grinding stop, they feel increasingly tiresome; not a good thing, given that the aim of these ballads is providing the musical with its heart.

The story retains all Chayefsky's strengths: it has a tangible sense of place and time, it has characters both specific and archetypal; it is familiar, yet deftly avoids clichés. Marty Piletti (John C. Reilly) is a sentimental butcher — this already gives an indication of the story's wry sense of humor — and *Marty* is, by and large, a love story, an intentionally commonplace chronicle of looking for, finding, and trying to retain love.

It also has a solid center in Marty himself, a lovelorn but unsentimental man, and Reilly (*Boogie Nights*, *Magnolia*) zeroes in on this mixture early on, creating a fascinating character with a curious balance of pathos and sense of humor. Much less successful is Anne Torsiglieri as the woman Marty meets at a dance one Saturday night: the very first speech she gives is one of the most fake bits of bald-faced exposition I have ever endured, and the actress never really recovers from that scene. An amusing aside: the show's two leads, an Italian-American man and an Irish-American woman, are played by a man with an Irish last name and a woman with an Italian last name.

Predominance of exposition can be also found in lyrics. The show's stop-and-go rhythm is caused by the dominance of musical numbers in which the characters stand and sing out basic platitudes about themselves. Then there are musical numbers that have little to do with the story. The energetic "Saturday Night Girl" reprise would be all fine and dandy if the three guys who sang it had anything in the way of personality; however, this number is merely an attempt to have a show-stopping number. It does stop the show, but not in a good way.

One "coulda been a contender" song is a humorous duet between two elderly women, "Niente Da Fare," but it is denied a chance to build any momentum, being cut into several pieces and interspersed between dialogue passages. The overall effect of this scene and, to a lesser extent, *Marty* as a whole is the impression the songs were added late in the creative process, and Rupert Holmes wrote the book to contain every single moment of narrative and character insight. The only scene that fully works is the big dance scene close to the end of Act I. Curiously enough, it is the only time in the entire show the musical number is used as more than exposition.

Marty still looks good, mostly thanks to a beautiful set design by Robert Jones: entire houses slide onto the stage, the city backdrop glows with life, and (my favorite) the bar seems to come from an Edward Hopper painting, an oasis of light in the sea of dusk. Too bad this musical about people with heart but without looks is high on looks and low on heart.

CD REVIEW

This is Who I Am

Heather Headley: The New Diva

By Allison Lewis

ASSOCIATE ARTS EDITOR

This Is Who I Am

Heather Headley

RCA

Oct. 8

I'm not sure how *This Is Who I Am* made it into my "favorites" CD wallet. At first it was just a prominent, flavorful beat, a catchy, if not too remarkable, melody, powerful, trained, full-of-feeling vocals, and simple, yet true lyrics. It was good, yes, but the first time I heard it, I didn't sense an explosion at all on the album. There was never a moment when the music came to some dramatic high point or climax. Still, that first time, it was good all the way to the end, and then, even better afterwards, developing into a craving for more I couldn't help but give in to.

Then one night last week, I was in Boston with my headphones on, listening to *This Is Who I Am* walking in pace with the fast, jolting beat of the first song, "He Is," and singing with the verse, "These words/ Are only/ Frosting on my cake." It was perfect for the moment, the city and the night. I thought, wow, this is it. Not just studio-cut vocals and beat. It's a new face for R&B: swinging, bold soul, and a taste of the islands. It's a stubborn character and powerful voice that refuses to be ignored and demands the recognition it deserved — making a place for itself in among my "favorites" CD collection.

This Is Who I Am is Headley's statement to the world. It's the introduction of her fresh, remarkable sound to popular music. Headley gives gospel and soul a Caribbean lilt, and the result is one spectacular groove.

An R&B star is born. Heather Headley takes her place among the "it" girls in R&B:

Whitney Houston, Janet Jackson, Aaliyah, and Alicia Keys, to name a few. Headley is here and now and in your face. Her vocal ability is enormous and obvious. Her lyrics are simple and true to life, and she conveys them with honest dynamics. Above all, her music is real, not fake or forced like so much of today's pop music. Thank God she hasn't given her soul to the studio.

Growing up in Trinidad, Headley played concert piano and sang in competitions. Influenced by calypso, reggae, and other traditional music of the islands, the self-proclaimed "Trinimerican" brought her own style and talent to the states when she was fifteen. She per-

formed in *The Lion King* on Broadway as Nala, the lioness. Then she was asked to perform in *Aida*, written by Elton John and Tim Rice. She won a Tony award for her role as that famous Nubian princess.

Making this album was truly a new experience for her. Very accustomed to performing on stage and connecting to a live audience, Headley found recording in a studio meticulous and difficult. She had to close her eyes and imagine she was performing for an audience. The result is passion-filled, a different color portrayed in each of the twelve stunning songs.

Headley worked with some of the finest R&B artists of today, such as great blues guitarist Keb Mo. Also, Chukki Starr, a Jamaican dancehall master, takes a solo in "Fallin' For You," co-written by Headley.

This Is Who I Am is all the fire and sexiness of a young, vibrant individual with a you-can't-put-me-down attitude. I'm waiting to hear more, much, much more from Heather Headley. Until then, I'll keep listening to Headley's heart and soul, twelve stunning songs with a story behind them. *This Is Who I Am* is explosive.



CONCERT REVIEW

SONOS Shines in Kresge

Chamber Music by Schubert, Turina, Brahms

By Bogdan Fedeles
STAFF WRITER

SONOS
Kresge Auditorium
Nov. 3, 4 p.m.

SONOS, a Boston-area chamber music ensemble, performed an enjoyable program comprised of Schubert's *Trio for Strings in Bb, D. 581*, Turina's *Circulo, Op. 91*, and Brahms' *Quartet for Piano and Strings in A Major, Op. 26*, in Kresge Auditorium Sunday afternoon. A decent number of chamber music enthusiasts

mance of *Circulo*. The well-executed rolls on the piano conveyed a true fantastic character, which was well-maintained throughout the piece by the ensemble's rich sonority. The players displayed a wide range of dynamics, and they were very effective in dealing with the sudden-changing mood of the piece.

Amanecer began softly and built up tension consistently, until the calculated outburst of the Spanish folk tune, *Melodia*. The melody sounded sweet and natural both on the piano and on the strings. The piece then started growing dimmer and softer, right up to its

ending, a magical dissipation. SONOS' excellent performance was also visually spiced up with Deveau's theatrical gestures, which were effective at times but perhaps overused.

The second part of the concert featured Brahms' *A Major Piano Quartet*. This magnificent piece shows the romantic impetus of a young Brahms but also highlights the composer's unique style on the



MATT YOURST—THE TECH

David Deveau, Michael Reynolds, and Marcus Thompson, members of SONOS, perform in Brahms' *A Major Piano Quartet* on Sunday afternoon's concert at Kresge Auditorium.

— few of them students — received the group's fine performances with warm applause.

SONOS is a well-balanced mix of faculty members from Boston University (Bayla Keyes, violin, and Michael Reynolds, cello) and MIT (Marcus Thompson, viola, and David Deveau, piano), all experienced and accomplished musicians.

The concert started with the Schubert *String Trio*, a piece with a directness of style reminiscent of the early classical era. However, these features make it more difficult to render its delicate character.

SONOS took the piece too lightly and it eventually sounded unconvincing. The first movement started hesitantly and found its pace only in the repeat of the exposition. The slow movement had the right tension and sweetness but at times lacked a certain security. The faster *Minuet and Trio* had unconvincing dynamic contrasts and even some intonation problems. Eventually, the *Finale* showcased better dynamic development and featured good ensemble work, which concluded the piece in a more uplifting way.

Turina's *Circulo*, a fantasia for piano, violin and cello, followed. A Spanish composer who lived between 1882 and 1949, Turina witnessed the transition of the musical language from late romanticism to expressionism and beyond. His music shows this transition, often embellished with Spanish folklore-inspired tunes. *Circulo* (Spanish for "circle") is a beautiful musical parable. The music employs both auditory and visual imagery, as suggested by the titles of the movements, *Amanecer*, *Melodia*, and *Crepusculo* (English for "dawn," "melody," and "sunset").

SONOS delivered a heartfelt perfor-

verge of becoming more and more refined. All four musicians unified their skills to deliver a solid and very musical performance of Brahms' massive piece.

The first movement started with the piano presenting the main theme, quickly repeated by the strings. The trill motif of the theme was highlighting in every register and dynamic range, and the difficult unison string passages sounded very good, blending naturally with the sparkling piano figuration, which well balanced and expressively played.

The slow movement was rendered with serene sweetness and passion, as the tone quality was admirable and the tempo well sustained. The flowing *Scherzo*, with its technical demands, was convincingly rendered, even though some fast passages sounded a little blurry.

A reminder of Brahms' passion for simple folk tunes, the *Finale* was full of rhythmic diversity. This movement sounded very flowing and featured intensely played dynamic contrasts. The overall performance of Brahms' quartet sounded refined and startling, leaving the listener very satisfied.



VICTORIA FAN—THE TECH

The Aga Khan Program for Islamic Architecture at MIT sponsored a recital last Friday at Killian Hall showcasing Kinan Azmeh on clarinet and Rami Khalife on piano.



SANDRA YU—THE TECH

Mridangam player J. Vaidyanathan (not shown), vocalist T. M. Krishna (left), and violinist B. U. Ganesh Prasad gave a Carnatic Vocal concert in Wong Auditorium Sunday evening. The event was sponsored by MITHAS and MIT Sangam.

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Burchard Scholars Program

All MIT Juniors and Sophomores

The 2003 Burchard Scholars Program Is Now Accepting Applications
On line <http://web.mit.edu/shass/burchard/application.html>

The Burchard Scholars Program brings together members of the MIT faculty with juniors and sophomores who have demonstrated excellence in some aspect of the humanities, arts, and social sciences. 25 Burchard Scholars are invited to a series of dinner-seminars throughout the year to discuss topics of current research or interest by faculty members, visiting scholars, and Burchard Scholars. The 2002 program begins in February.

For information or an application, contact: Dean's Office, SHASS, E51-255 (x3-8961) or the HASS Information Office, 14N-408 (x3-4443).

PLEASE NOTE - Application Deadline is DECEMBER 2, 2002

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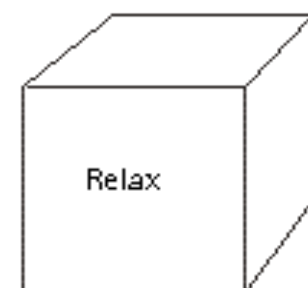


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Gubernatorial Candidates Battle Fiercely for Votes

Election, from Page 1

Romney's at 40 percent, with a 10 percent undecided population that is expected to determine the results of the election.

The two leading candidates vary in their opinions on several major issues.

Gov. candidates take stances

The candidates for governor have opposing views on death penalty. Romney believes that capital punishment is acceptable "in the most grievous cases," according to his official Web site. According to her campaign Web site, O'Brien opposes the death penalty and supports life in prison without parole as an alternative punishment for first-degree murderers.

O'Brien's platform supports full civil rights for lesbians and gays. While Romney does not support gay marriage, he believes their partnership status should be "recognized in a way that includes the potential for health benefits and rights of survivorship," according to his Web site.

Both main governorship contenders support a woman's right to choose abortion. O'Brien is focused on improving women's rights. O'Brien, on her official Web site, is advocating buffer zones around abortion clinics, abortion counseling for victims of rape and incest, and family planning. She would also like to see more money for breast cancer research and treatment, domestic violence shelters, and planned finance for women.

Both candidates' platforms include increases in minimum wage and gun control. O'Brien endorses gun-licensing background checks for people purchasing guns, while Romney supports the federal assault weapons ban. However, both continue to support the rights of hunters and sportsmen to own and use guns.

O'Brien's other main issues include providing care for citizens by allowing tax exemptions for family taking care of them, reducing class size in early grades, and expanding after-school programs.

Romney plans to improve education by implementing a full day kindergarten in troubled school districts and putting disruptive students in separate programs. He hopes to make housing easier to attain by doubling the housing units on market.

Other candidates for governor on the ballot include Jill E. Stein (Green), Carla A. Howell (Libertarian), and Barbara Johnson (Independent).

Three questions on ballot

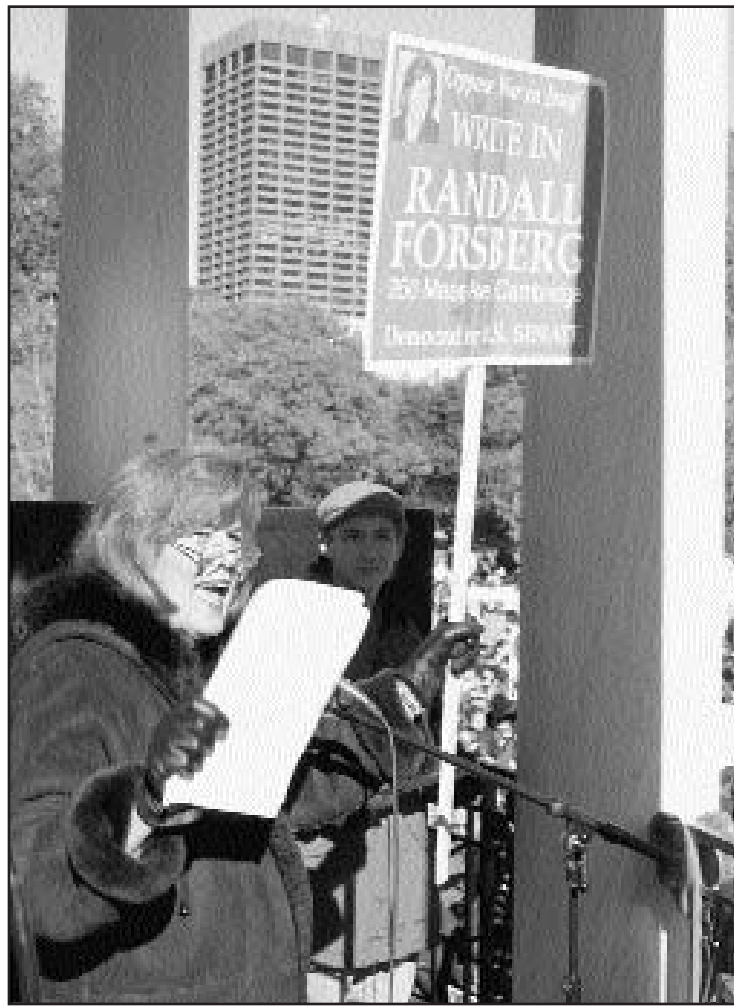
Three questions concerning Massachusetts legislation are on this year's ballot.

Question 1 deals with a "proposed law that would provide that no income or other gain realized on or after July 1, 2003, would be subject to the state income tax," according to the Official Massachusetts Information for Voters guide.

Proponents of Question 1 believe that the government is too powerful and wasteful, and that abolishing income tax would limit the power of the government and empower individuals to take control of helping themselves and the community. Opponents argue that abolishing the tax would eliminate nearly 60 percent of state taxes, jeopardizing the state's ability to effectively provide basic services, such as education and health care.

Question 2 concerns a proposed law that would remove bilingual education from public schools, immersing all students in English-speaking classrooms. This would end many Massachusetts public school programs that teach immigrant students in their native languages.

Proponents of the law argue that thirty years of the bilingual educa-



JONATHAN WANG—THE TECH

Randall C. Forsberg PhD '97 addresses the crowd at Sunday's protest against a war on Iraq in Boston Common. Forsberg, along with Jill Stein of the Green Party, took advantage of the protest's proximity to the gubernatorial elections to encourage voters to support their anti-war platforms. Forsberg is running as a Democratic write-in candidate for Senate. Her hope is to receive 100,000 votes in order to send a national message against a war on Iraq.

tion in Massachusetts law has segregated immigrant students into classrooms that do not foster English learning, whereas an immersion program would force students to learn English.

Opponents believe that children would not be able to learn English in this environment as well, and cite California's troubled English immersion program as proof.

The third question, which is non-

binding, concerns the use of taxpayer money to fund political campaigns. This question is only to show voter opinion, not to enact actual legislation. Proponents of public funds for political campaigns believe that it would make the races fairer, as many potential candidates simply don't have the resources to run. Opponents believe that campaign funding is an ineffective use of limited public money.

Mudslinging prevalent in race

O'Brien and Romney have actively traded criticism with each other directly and in the form of various radio and TV ads.

O'Brien called Romney "insensitive to the needs of workers" and "the new face of the Republican establishment who will provide you with weak leadership," while Romney named O'Brien a "tax raiser" and "free-spending Democrat."

A TV advertisement by O'Brien's team states, "Romney's firm closes the plant and robs workers of their promised health benefits;" Romney's advertisement publicizes that O'Brien "got her own pay raised 60 percent" while she was treasurer of Massachusetts.

Romney also ran a TV advertisement campaign publicizing O'Brien's husband's connections to Enron.

MIT alumnus in Senate race

John E. Sununu '61 (Republican), who is now finishing his third term as a New Hampshire representative in the House of Representatives, is running against current New Hampshire Governor Jeanne Shaheen in a very close race for their open seat in Senate. Sununu graduated from MIT with Bachelor's degree in Mechanical Engineering in 1961; he also earned a Master's in 1963 and a doctorate in 1966 from the same department.

Cinderella's Ball

Cinderella, Prince Charming and the Fairy Godmother Host Event for Community Children



AARON D. MIHALIK—THE TECH



TIFFANY YANG



JINA KIM

Walker Memorial was transformed into Cinderella's Ballroom on Sunday afternoon. Young girls and boys spent the afternoon learning ballroom dancing, creating crowns and magic wands, listening to stories from the fairy godmother, and eating sweet confections.

Clockwise from lower left:

Girls make their own crowns and wands at the arts-and-crafts table.

Teagen Rowe (left) and Kelley Rogers learn ballroom dancing from the MIT Ballroom Dancing Team.

A bubble machine adds to the ambiance and entertains the children.

Lafayette Square to be Redone

Projects, from Page 1

Projects “should start in the next year or so,” said Fred Cabral Jr. of the Cambridge Community Development Department.

Mass. Ave. part of larger project

The main focus of the Mass. Ave. project is to realign the intersection of Mass. Ave. and Main St. at Lafayette Square. It also entails restructuring Mass. Ave. from the square to Memorial Drive and improving Lafayette Square.

“The roads are obviously [in] poor condition, and that was the original impetus of the project,” Deignan said. “Then many things were added along the way, including the Lafayette Square site.”

The architecture firm for the square is Carol R. Johnson and Associates, the same firm that created the Vassar St. redesign for MIT.

Deignan estimates that the construction will take around 18 months to complete, fitting the schedule for MIT’s anticipated start on renovations to the west side of Vassar St., slated to begin in the spring of 2005.

Mass. Ave. was excavated in the summer of 2000 in order to install new sewer and stormwater systems. That project was completed that winter.

Workers focusing on roadwork

Meanwhile, the Vassar Streetscape project is in full swing, currently occupying the eastbound lane of the road.

Contractors J. F. White and Modern Continental are currently involved in renovating the street.

“We’re doing the new road, utilities, bike line, manholes, sidewalks, and curbs,” said J.F. White construction worker Keith Riquinha. “But we’re not doing the landscaping. They’ll get someone else for that.”

Landscaping on Vassar St. will start next spring and is scheduled to be complete by next June, along with the rest of the project.

Representatives from the MIT

Office of Construction were unavailable for comment.

Community somewhat aggravated

With the long term construction, people have said that it has affected their daily life, but within tolerable levels.

“It certainly is a hassle, but not one that can’t be dealt with,” said Gavin Gong G, who has an office in Building 48 on Vassar St. “It doesn’t make for much of a campus. ... I’d put up with the short or not-so-short term construction in order to have an overall improvement to the aesthetics here.”

“It’s kind of frustrating,” said Ruth M. Perlmutter ’04. “I keep telling myself that in the long run it will be an improvement and so it’s worth it, ... but it’s still aggravating, because I will probably be far away from MIT by the time it is finished.”

Perlmutter also said that the MIT administration is doing a poor job informing the campus about construction changes. “All we know is that one day Vassar [St.] is open and normal, and a week later, half of Vassar [St.] is gone, the Tech Shuttle route is changed, and you can no longer access parts of campus easily,” she said.

The construction has resulted in “no major adjustment in the MIT Police department,” said Chief of Police John M. Difava. “The only times it becomes an issue is when they close Memorial Drive ... [or] around 5:30 when traffic backs up on Vassar [St.],” he said.

Difava said that construction has not interfered with police patrols, citing the large number of foot and bike patrols. “We can still get to a call immediately,” he said.



JONATHAN WANG—THE TECH

Tim Robbins, noted actor, writer, director, and producer, addresses the crowd at Sunday’s protest against a war on Iraq. The protest, held on Boston Common, attracted attendees from throughout New England and culminated in a march through the streets of downtown Boston.

More Physics Students, Fewer Double Majors

Majors, from Page 1

Brain and Cognitive Sciences, Earth, Atmospheric and Planetary Sciences, Chemistry, Mathematics, and Physics, had the most significant increase in enrollment this year.

The Department of Physics, in particular, showed increased interest among undergraduate and graduate students alike. The department attracted 63 sophomores and experienced a nine percent increase overall in undergraduates.

Marc A. Kastner, head of the Department of Physics, said that the higher numbers of Course VIII (Physics) majors at MIT reflect a national trend in the numbers of physics majors at universities. At MIT, however, the numbers have been higher than the national average, especially in the past two years.

Kastner said that the downturn in the economy may be responsible for the increased Course VIII numbers. Instead of choosing a major that would “ensure you could get a job and make a fortune,” students are “doing what they’re interested in.”

A new physics degree, Course

VIII-B, allows students to study physics, but with a focus outside the subject.

“It gives more flexibility to students who are interested in VIII, but don’t want to be physicists,” Kastner said.

“The students have been very creative and we have seen lots of different focus proposals,” he added.

Fewer choose to double major

This year, 216 juniors and seniors are currently enrolled as double majors, down from 238 students last year. Students can petition the Committee on Curricula for a second degree during or after their junior year.

The most popular second major was mathematics, with 52 students. The other top four second majors are Management, Physics, EECS, and Economics.

Assistant Registrar Iria J. Romano cites new Advanced Placement policies for the decline in double majors.

“Recently, there has been tightening up on AP credit and transfer credit. We’re seeing students coming in with not as much as they used to,” Romano said.

Recent Changes In Freshman Major Selections




Course	Class of 2005	Class of 2004*	Percent Change	Total Students
Civil Engineering	26	24	+8	77
Mechanical Engineering	113	76	+48	276
Materials Science and Engineering	25	35	-29	85
Architecture	15	24	-38	61
Chemistry	31	31	0	81
EECS	282	342	-17	942
Biology	100	82	+21	282
Physics	63	49	+28	148
Brain and Cognitive Sciences	39	40	-3	107
Chemical Engineering	49	43	+13	149
Urban Studies and Planning	4	3	+33	13
EAPS	5	6	-17	21
Ocean Engineering	8	6	+33	19
Economics	22	19	+16	80
Management	107	111	-4	294
Aeronautics and Astronautics	64	56	+14	185
Political Science	11	4	+175	23
Mathematics	67	67	0	210
Humanities	5	4	+25	29
Nuclear Engineering	11	2	+450	26
Linguistics and Philosophy	0	1	-100	6

*members of class of 2004 who declared major as sophomores

SOURCE: REGISTRAR’S OFFICE

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Frat May Not Have Needed Permit

Skuffle, from Page 1

David N. Rogers, assistant dean and director of fraternities, sororities, and independent living groups, said that he was unaware of the city issuing entertainment licenses to fraternities in the past. He said that this may be because fraternities rarely charge admission for their events.

"Plenty of fraternities and sororities run charity events. ... I've never seen an entertainment license be issued," at least not with the Interfraternity Council involved in the process, said Damien A. Brosnan '01, former Interfraternity Council risk manager and president.

Frat may have disobeyed ISD

A spokesman for ISD, John Dorsie, said that ISD "probably issued a stop-work order under the Massachusetts Building Code." He said that ISD discovered that the building permit had been denied and then issued the order.

Dorsie said that the fraternity probably knew that the building license had not been issued but continued work anyway. "They came over to the department ... and I'm sure they found it wasn't worth their time," he said.

The fraternity members were "apparently dismayed and decided to go ahead," Dorsie said.

Frank said he did not know about the denial of either the entertainment or building licenses prior to the stop-work order. "I never got a phone call. I was [at the licensing office] waiting for the entertainment license" when ISD officials arrived at Phi Kappa Sigma with the stop-work order.

Frank suggested that Boston city officials were biased against fraternities. "The name Scott Krueger has come up several times" in the licensing process, Frank said.

Scott S. Krueger, a freshman at MIT in 1997, died of alcohol poisoning following an event at his fraternity.

Weekends@MIT may refund frat

Weekends@MIT pledged about \$700 to help pay for a DJ at Skuffle, said Kaya Gerberich, coordinator for fraternities, sororities and independent living groups. "We thought some of the entertainment would draw a [diverse] crowd," she said. "They were marketing it to the campus and we thought a DJ would be helpful."

Weekends@MIT also provided money for advertising the event, Gerberich said.

Because fraternities have accounts separate from MIT, Weekends@MIT would reimburse, instead of directly pay for, event costs.

Gerberich said that it was not yet clear what Weekends@MIT would pay for, though she said advertising may be covered. "We still need to sit down with the event chairs" to determine what Weekends@MIT will pay for, said Gerberich.

'Skuffle' shut down in past

"Skuffle" is a biannual Halloween event that has been going on since the 1940s, Frank said. The party was last organized in 1999, but was shut down after an attempt to promote the party led to an explosion and minor injuries.

Protests, as well as support from MIT President Charles M. Vest, followed the 1999 party shut-down, and \$10,000 was eventually raised to benefit the Leukemia Society.

Revered Journalist Speaks on War in Iraq

By Jessica Zaman
STAFF REPORTER

Helen Thomas, renowned newspaper columnist and White House Correspondent for over four decades, spoke last night about the role of the media in the precarious relationship between the U.S. and Iraq.

"Now that I write opinions," said Thomas, "I think, 'who do I hate today?' I hate war." The once cautious journalist openly criticized the nation's leaders for using war propaganda to divert attention from the real domestic issues affecting the American public.

Thomas argued that free speech is the key to protecting democracy. "We have to wake up and speak up to protect our freedom and democracy," Thomas said.

David Thornburn, director of the MIT Communications Forum, and Charles Stewart, Professor of Political Science, served as respondents to Thomas' talk.

Thomas speaks out against war

"I have lived long enough to see our most reviled enemies become

friends," Thomas said.

She argued perpetual war is hardly something anyone would want to loop into.

"Afghanistan was a quick retribution," Thomas said.

However, she questioned the U.S. motivation for attack on Iraq. Thomas considered the most credible argument for war, Iraq's possible nuclear arsenal and its threat to American national security.

"We are

going to bomb Iraq, which makes sense. ... Or is it the oil?"

Thomas asked, pointing out the difference between U.S. relations with Iraq and U.S. relations with North Korea, another country that could possibly threaten national security.

MIT professors echo Thomas

Response from Professors Thornburn and Stewart mirrored Thomas' analysis of the current national situ-

ation.

Thornburn remarked on the weakness of the government. "I find inconsistencies in the Bush administration's policies important," Thornburn said.

He criticized "cowardly Democrats," saying they were "so afraid of keeping their seats in Congress that they wouldn't speak up."

Stewart indicated that although Americans don't typically get

involved in foreign policy, "they are talking about Iraq."

"This may be evidence that politics isn't working in America," Stewart said.

Press is watchdog of democracy

"It is patriotic to be thinking people," Thomas said.

Thomas repeatedly emphasized

that the truth the media brings to the public is a key to preserving democracy. "We cannot have free speech without democracy," Thomas said.

Thomas answers questions

Nils O. Fonstad G asked about press access to information regarding war and its evolution through the years.

Thomas brought up the example of Afghanistan. "We're fighting a war in Afghanistan," Thomas said. "We've had almost no information about figures, casualties or anything."

Thomas contrasted current media access with access during the Vietnam War, when "reporters could just hop on a plane."

Michael Halle '88 asked about the loss of principle in the way people conduct public affairs.

"Consistency is a hot problem," Prof. Stewart said, contrasting US reactions with North Korea and Iraq.

He also indicated there have been repeated changes in Bush's rhetoric.

"Now that I write opinions, I think, 'who do I hate today?' I hate war."

—Helen Thomas

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SPORTS

Football Closes with Win on Senior Night

By Christopher P. Anderson
TEAM MEMBER

The MIT football team sent their seniors out on a high note and capped their season with a historically unprecedented win over visiting Salve Regina University on Saturday. It was an emotional day and a dominant performance, with the seniors making critical plays all over the field. MIT won 16-8 and slammed the doors on Salve's hopes for the conference title.

After a dismal start to their season (0-5), the Seahawks were 2-1 in conference play coming into Saturday's game. With a win against MIT, next week's game against U-Mass-Dartmouth would have been for the division title and a shot at the NEFC championship. Salve rolled into Cambridge amid much hoopla, overconfident for a win.

Salve's best play of the game was perhaps their 59-yard return of the opening kickoff. After that, it was all MIT. Two plays later, MIT senior captain Brian D. Hoying forced a fumble that was recovered by linebacker Michael A. Terry '04. The

offense took advantage and moved downfield with the help of screen passes from captain Alex T. Karnal '03 to runningbacks Philip M. Deutsch '04 and David J. Ostlund '04. Kicker R. Matt Ramirez '06 finished the drive with a career-long 42-yard field goal, giving MIT a lead they would never relinquish.

Beavers extend lead

The Beavers extended that lead early in the second quarter when Thomas J. Kilpatrick '05 made a fantastic leaping catch in the west end zone. The play was set up by the shifty running of Karnal to Kilpatrick and captain Keith V. Battocchi '03. Ramirez' extra point made the score 10-0.

Salve reached MIT territory on their next drive, but fell prey to a sack by Dan Relihan '04 and M. Cody Patrick '05, and then another by Brennan P. Sherry '06 and senior linebacker Josh W. Baratz '03. Baratz, who had seen most of his action on special teams, had a monster of a game, breaking up two passes in addition to the sack.

With MIT fighting into SRU terri-

tory on the next drive and facing fourth-and-seven, Karnal took matters into his own hands. He aborted his bootleg pass and turned upfield, eluding a would-be tackle with a pump-fake for a 15-yard gain. The drive ended with a missed field goal, but Karnal's run was symbolic of the gutsy effort of the MIT seniors, who were playing their final game at Steinbrenner Stadium.

Salve tried to get into scoring range before the half ended, but were unsuccessful. Under intense defensive pressure, Salve quarterback Jason Seal completed only two passes and was intercepted by Terry on a last-second toss into the end zone. Terry then fumbled, and linebacker Brent M. Schreiber '03, who earlier in the season returned a blocked kick 95 yards, recovered. Schreiber was tackled moments later.

Win is MIT's first ever over Salve

The third quarter was scoreless, with both teams edging out long drives. But the Beavers' hopes for a shutout ended when Salve took over on the MIT 38 and drove to the end zone in six plays.

After a two-point conversion rush,

MIT led only 10-8 and the momentum was wearing a white shirt. Karnal was not about to let another fourth-quarter comeback happen; he hit Kilpatrick with a perfect 32-yard pass on the next play from scrimmage, moving MIT to the Salve 48. Then on third-and-10 from the 37, Battocchi sealed the deal with a 12-yard catch over the middle. Ryan J. Lanphere '06 later scored on a 16-yard run up the middle; a missed extra point kept the lead at 16-8.

Special teams standout Tanis Fidelholtz '04 made the tackle on the ensuing kickoff, and Schreiber's tackle on fourth down gave the ball back to MIT with 29 seconds remaining. When Karnal kneeled to end MIT's 2002 season, the Beavers broke into celebration. The win marked the first-ever over Salve Regina in the history of MIT football.

Impressive performances seal win

MIT's defense flummoxed Salve's Wing-T running offense, allowing only 132 yards on the ground and recording nine tackles for loss. Schreiber was a strong force in the game, with 13 tackles. He was joined by Terry, cornerback Corey D. Carter '03, and linebackers Jeremy R. Arnold '03 and Michael J. Harvey '04. Mark A. Jury '04, Relihan, and Sherry stepped up big on a defensive line thinned by injuries to Lars A. Gronning '03, Christopher P. Anderson '04 and Kevin M. Yurkerwich '06.

On offense, Deutsch kept the clock moving all day, finishing with 92 rushing yards to go with 49 receiving yards on only two catches. Senior runningback Ryan B. Whitaker, dogged by injury for much of the season, saw significant action after Ostlund pulled his hamstring in the first quarter. He made the most of the opportunity, opening lanes for Deutsch by throwing great blocks all day.

Karnal finished 13 of 27 for 201 yards, surpassing Deutsch (a quarterback his first two years) for second in MIT single-season passing yardage. Karnal threw for 1,396 yards over nine games. Kilpatrick was his favorite target on Saturday, catching seven passes for 74 yards.

Saturday's victory brought MIT's record for the season to 4-5.

MIT Pistol Victorious In Season Opener

By Jenny Y. Liao
TEAM MEMBER

MIT's varsity pistol team continued its long history of success in the first match of the 2002-03 season.

MIT pulled successes in all five events last weekend, living up to its reputation as one of the best collegiate shooting teams in the nation.

The team started out strong on Friday, with victories in open and women's air pistol. Audrey S. Wang '03 and Yin M. Chen '03, both All-Americans, led the team in both events. Michael L. Horvath '05, David R. Schannon '04, and Anthony W. Scelfo '04 rounded out the open-air scoring team for a victory of 2,160-2,132 against Coast Guard's top-five shooters. Jenny Y. Liao '03 completed the trio for women's air, which finished with an even wider margin of victory.

MIT tallies five victories

The Engineers continued with strong showings in three .22 caliber events Saturday. In the morning Wang, (with a new personal best,) Chen, Scelfo, Schannon, and Bryan C. Yong '03 won the free pistol match 1,935-1,670. In the free pistol event, targets are placed 50 feet from the shooter, and bullets are fired with a single-shot gun.

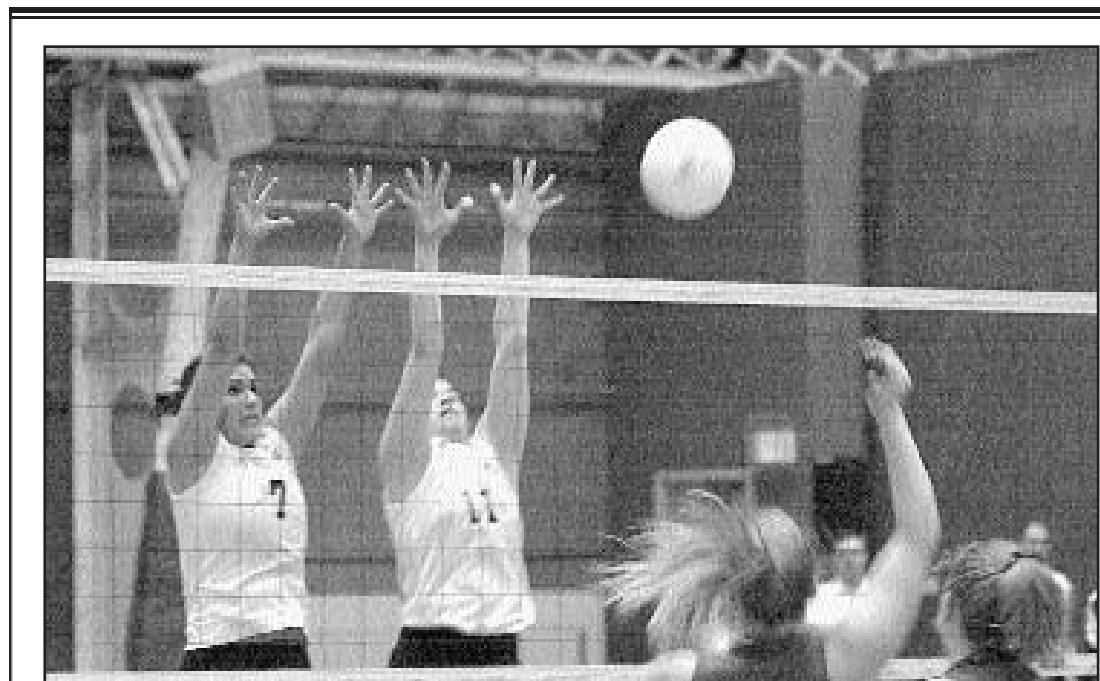
The same five from Friday's air match bested Coast Guard 2,008-1,960 in the standard pistol event. In standard, shooters fire a total of 60 shots, four five-shot strings in each of three timed categories. The five-shot strings are fired in 2.5 minutes, 20 seconds and 10 seconds.

The last event of the day was women's sport pistol, similar to standard pistol but with a 'dueling' component. During the duel stage, women must aim and shoot at a target 50 feet down range in three seconds, with the shooting arms lowered at a 45-degree angle for seven seconds between shots. In this last event, top scorer Chen, Wang, and Liao brought MIT to a fifth victory, 1,614-1,574.

This year's squad looks strong

The varsity pistol team regularly competes in the National Rifle Association Collegiate Nationals, and Coach Will Hart believes his shooters are well-prepared for so early in the season.

"The team is off to an excellent start, well ahead of last year's first match performances," he said. "We have a challenge with a powerful West Point team this week, but we will meet it and do well."



Arlis Reynolds '06 (left) and Kelly Martens '03 block a shot at the net in Women's Volleyball's game against Babson last Saturday. MIT won the match 3-0.

Winter - Spring 2003

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Women's Volleyball — NEWMAC Quarterfinals vs. Clark University, 7 p.m.

Wednesday, Nov. 6

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Saturday, Nov. 9

Men's and Women's Swimming vs. Springfield, 1 p.m.