

## Two Days Reserved For 'REX'

By Keith J. Winstein  
NEWS AND FEATURES DIRECTOR

A new name and a new schedule for dormitory rush will greet the Class of 2007.

Yesterday, an administration statement, issued in response to Dormitory Council and ILTFP requests to increase the amount of time set aside for freshman dormitory selection, discussed the new "residence exploration" plan for Orientation 2003.

But some confusion remained over how much time during Orientation will be reserved for dormitory rush, which MIT is now calling REX, for "Residence Exploration and Selection."

Meanwhile, another new name — the Undergraduate Association Senate, known until this week as the "Council" — voted to again postpone a decision on whether to endorse the Dormitory Council's proposed Orientation-week schedule, after the Interfraternity Council voted almost unanimously to oppose it.

The proposal has been endorsed by the UA's Committee on Housing and Orientation, supported by ILTFP, and praised by Deans Robert P. Redwine and Larry G. Benedict as having "really led to a breakthrough in our discussions and planning."

### Benedict describes two-day 'REX'

In an interview, Benedict discussed the amount of time to be reserved for dormitory selection, something the Dormitory Council and ILTFP have strenuously tried to lengthen.

Sunday, Aug. 24, 2003 and Monday, Aug. 25, 2003 will each be

Rush, Page 20

## UA Candidates Deliver Proposals, Rancor

By Jenny Zhang  
ASSOCIATE NEWS EDITOR

On Wednesday evening, the candidates for the 2003-2004 Undergraduate Association president and vice president met in the student center lobby for this election's debate.

The three president/ vice president tickets are Parul Deora '04/ Harel M. Williams '05, David B. Gottlieb '04/ Karen M. Keller '04, and Pius A. Uzamere II '04/ Jacob W. Faber '04.

In the often-rancorous debate, all three tickets focused on strengthening communication between the student body and the administration and solidifying a sense of community at MIT.

### Student feedback a priority

Each team of candidates suggested different methods for improving communication.

Gottlieb said that students would always be able to e-mail him with suggestions or even call him on his cell phone, and that he would meet frequently with administrators to voice student concerns.

Deora and Williams noted the importance of mutual respect.

"We must realize that both the



UAP/ UAVP candidates (left to right) Karen M. Keller '04 (VP)/ David B. Gottlieb '04, Pius A. Uzamere II '04/ Jacob W. Faber '04 (VP), and Parul Deora '04/ Harel H. Williams '05 (VP) face off on issues ranging from housing to daytime SafeRide during Wednesday night's debate.

UA and administration work for the students, and there must be a sense of equality between the two," Deora said. "We need to have regular meetings and publicize them to the students."

Deora and Williams have proposed the creation of a "living group coalition" to advocate for living group concerns common to residents fraternities, sororities, and dormitories.

Faber said that he had already created an online site called "Rant and Rave" where students could express their concerns.

Debate, Page 17

## Committee on Community Discusses Threat of War

By Jessica A. Zaman  
STAFF REPORTER

Professor J. Kim Vandiver addressed a sparse crowd of MIT faculty, staff, and students as part of a Committee on Community "briefing" in 10-250 last night. The committee is sponsoring the "Community Briefings" to help preserve freedom of expression at MIT during times of increased international tension.

In addition to organizing the briefings, the committee established an emergency response plan in the case of a war or terror attack, held

training sessions for facilitators in the case of an emergency, and promoted further dialogue through residence-based events.

### Vandiver discussed MIT principles

"We want to establish rules of conduct in times of war," Vandiver said, "policies that will help maintain principles of MIT."

The committee has outlined three main principles for the community: MIT is an educational institution, MIT is an international institution, and all members of the MIT community are full members.

"We have students from all over the world at MIT," said Kirk D. Kolenbrander of the committee. "We want to make sure people in the community are thinking about and appreciating its diversity."

### Committee formed for dialogue

The MIT Committee on Community was formed last fall by Chancellor Phillip L. Clay PhD '75 as signs of conflict in Iraq became increasingly apparent.

The 22 faculty, staff, and students on the committee have been meeting since November to discuss

principles of the MIT community and steps that can be taken protect it.

"We want to facilitate an open community and dialogue," Vandiver said. "There are two conflicting freedoms, freedom of speech and freedom from interference from living and studying."

### MIT responds to briefing

One audience member questioned whether the committee's real goal was to promote open dialogue and tolerance, or merely deal with

Community, Page 19

## Proponents of Voting Reform Meet at MIT

By Nathan Collins  
NEWS EDITOR

With memories of late 2000 Florida and other election nightmares fresh in their minds, voting reform leaders gathered at MIT to discuss a new proposal: instant runoff voting.

In this system, known as IRV, a voter ranks each candidate in an election. The candidates are ranked on the basis of all ballots, and the lowest-ranked candidate is removed from consideration. New ranks are made, and the process continues until one candidate has a majority of votes.

Because IRV allows voters to vote for third-party candidates unlikely to win without disadvantaging a preferred major party, it has become an attractive proposal for some third parties, especially the Green Party.

### New system may expand democracy

If you cast a vote for a small-party candidate, "you may feel your vote is wasted," said Peter Vickery of Fair

Vote Massachusetts, one of four speakers at the MIT Greens and MIT College Democrats-sponsored Forum on Voting Reform last night in room 6-120. "That certainly wouldn't be true in IRV."

State Representative Alice Wolf said that she became interested in the voting method after discussions about how to increase voter turnout.

Voters often feel "that they can't express their opinion adequately," Wolf said. The current system is "not the kind of system that gets people excited" about voting, she said.

Ron Bell, founder of Dunk The Vote, said that he was working to reform voting because many — young black men, especially — felt disenfranchised. Bell's group runs a basketball tournament that requires participants to register to vote.

After the 2000 U.S. Presidential election, many people told Bell that their votes didn't count.

"Now," Bell said, "we're focused on election reform."

"We have to make sure those 20,000 [who registered at Dunk The Vote] go out and vote."

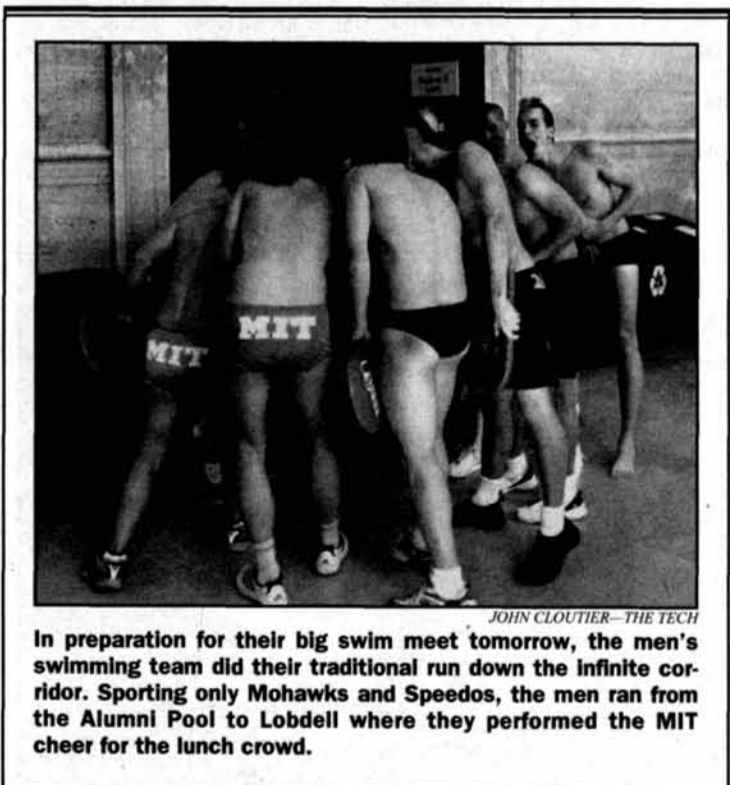
Jim Henderson of MassIRV said many "voices are getting shut out" because of plurality voting.

Vickery said that instant runoff voting could cost less than other systems. He cited an example of a small Massachusetts town that spent \$12,000 to hold a runoff election after a crowded first election. Though he was not sure of the cost of switching to an instant runoff system, "it's not going to cost as much" as holding runoff elections, he said.

### IRV system has drawbacks

During a question-and-answer session, an audience member raised some concerns about the instant runoff system's complexity.

Voting, Page 14



In preparation for their big swim meet tomorrow, the men's swimming team did their traditional run down the infinite corridor. Sporting only Mohawks and Speedos, the men ran from the Alumni Pool to Lobdell where they performed the MIT cheer for the lunch crowd.

### FEATURES

A look at fire safety at MIT parties and other large gatherings.

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### OPINION

America's energy policy is 'a joke' and has been for 30 years, says our Gretchen K. Aleks.

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# WORLD & NATION

## New Sharon Government Sworn In

LOS ANGELES TIMES

JERUSALEM

Prime Minister Ariel Sharon's right-leaning government was sworn in early Friday, taking up the leadership of a country mired in conflict with the Palestinians, suffering its worst economic downturn in decades and holding its collective breath in the countdown to a prospective U.S.-led war with Iraq.

"The government I present today shall serve the entire people, and it is only the good of the state of Israel that will guide us," the bespectacled 75-year-old prime minister told lawmakers as he presented his Cabinet for formal approval.

Watching somberly from their seats in the stone-lined Knesset chamber were members of the dovish Labor Party, which had spurned Sharon's repeated appeals to serve with him in government. Labor had joined Sharon's government in his first term.

"We all hope for your success," the party's leader, Amram Mitzna, told Sharon from the podium, speaking nearly one month after Sharon's conservative Likud dealt Labor a crushing electoral defeat.

Mitzna departed from a statesmanlike tone only once — with a pointed reminder that Sharon's nearly two years in office have coincided with a time of national calamity. To Labor's immense frustration, that fact did little to dent Sharon's popularity with voters.

## North Korean Military Makes Provocative Moves

WASHINGTON POST

SEOUL

Recent military moves by North Korea and the United States could increase the risk of an armed confrontation — deliberate or accidental — in the standoff over the North's nuclear program, according to Asian and U.S. military experts.

North Korea has begun supplementing its harsh rhetoric with unusual acts by its armed forces. On Monday it test-fired an anti-ship missile off its eastern coast, rattling the inauguration of the new South Korean president, Roh Moo-hyun. Last week, a North Korean MiG fighter jet intruded into South Korean air space for the first time in 20 years.

Earlier, North Korea threatened to abandon the armistice agreement that ended the fighting in the 1950-53 Korean War, and took successive steps to restart facilities capable of producing material for nuclear weapons.

## Afghanistan's Karzai Says U.S. Pledges More Aid

LOS ANGELES TIMES

WASHINGTON

President Hamid Karzai of Afghanistan urged President Bush on Thursday to increase U.S. assistance for his country's reconstruction, and reported after a White House meeting that the United States promised to expand its aid to help repair electrical and irrigation systems.

Karzai, completing a second day in Washington, defended the upbeat reports he has been delivering to audiences in the capital, telling reporters that compared "with life in Basel, Switzerland, or Honolulu," his accounts of life in Afghanistan may not seem rosy. But compared with conditions before the fall of the Taliban at the end of 2001, the improvements are considerable, he said.

However, reflecting Washington's shifting focus, he acknowledged that if the United States goes to war in Iraq, the amount of attention the U.S. government can give to Afghanistan may shrink — but he said the dollars would not.

The budget measure Bush signed earlier this month includes \$3.3 billion in aid to Afghanistan over four years, primarily for reconstruction and security.

# U.S. Drafts 2 Very Different Proposals for Postwar Iraq

By Robin Wright

LOS ANGELES TIMES

WASHINGTON

The Bush administration has outlined two strikingly different plans to run oil-rich but volatile Iraq if Saddam Hussein's regime is toppled, according to U.S. officials.

One plan is a go-it-alone strategy that would force the United States to remain longer in Iraq to ensure that its stated goals of disarmament and democracy are fulfilled. While that plan would give Washington more control over what happens, it would almost certainly cost far more and make a larger U.S. military and diplomatic presence more vulnerable to backlash.

The other plan would share the burden of rebuilding Iraq, from purging police and army units to helping write a new constitution.

Under the second plan, the United States would transfer much of the authority and various other responsibilities to the international community after an initial U.S.-run administration lasting as briefly as three or four months. Washington has no set model in mind, the sources said, although the possibilities include the type of arrangements in the ongoing political tran-

sitions in Kosovo province and East Timor.

The administration strongly prefers the international burden-sharing option. In a speech Wednesday outlining the broader stakes in dealing with Iraq, President Bush said, "Rebuilding Iraq will require a sustained commitment from many nations."

There are still so many unknowns that the administration is unsure which strategy is more likely to be used, although most planners have a strong preference for a major international component. But that may prove unattainable, especially if the war becomes particularly messy or protracted and other countries are loath to become involved in a post-invasion Iraq.

During his weekend swing through Asia, Secretary of State Colin L. Powell approached Japan about contributing to postwar reconstruction and told reporters that the Japanese response had been positive. The administration has held similar discussions with other nations, hoping to defray the steep costs.

But the scope of international involvement — and what countries might be included — could be heav-

ily influenced by the outcome of a proposed U.N. resolution that would back the use of force to disarm Iraq, U.S. officials say.

If the resolution passes when it comes up for a vote in mid-March, then virtually any country willing to provide financial, humanitarian, reconstruction, technical or political assistance is likely to be welcomed, U.S. officials suggested Thursday.

But if the resolution is vetoed or doesn't win the required nine votes for passage, then the international involvement could well be at least initially limited to the countries that become part of the so-called "coalition of the willing" to back the United States in forcibly disarming Iraq.

"There will be a variety of different missions for different nations" in that coalition, White House spokesman Ari Fleischer said Thursday.

Some administration officials have argued that any country wanting to participate in the potentially lucrative reconstruction process, notably oil sector development, should back the United States on the use of force to oust Saddam — effectively using postwar perks as either a financial incentive or political blackmail to win eventual backing.

# House of Reps. Votes to Outlaw Every Type of Human Cloning

By Matt Porio

NEWSDAY

WASHINGTON

Following a bitter ideological debate with far-reaching implications for biomedical research, House members voted Thursday 241-155 to outlaw every type of human cloning — including "therapeutic cloning," which many claim could pave the way for treatments of several debilitating diseases.

Rep. James Greenwood, R-Pa., along with a small bipartisan coalition, unsuccessfully pushed an amendment that would have banned reproductive cloning but allowed for therapeutic cloning.

The debate raged around therapeutic cloning, or somatic cell nuclear transfer, which yields

durable, versatile stem cells for research through the creation of a human embryo. In arguments similar to the nation's ongoing abortion debate, opponents of therapeutic cloning say the embryo is a potential life, thus using and destroying embryos for scientific research is immoral.

"Life is not a commodity," said Rep. Sue Myrick, R-N.C., who then asked how the practice is "any different than Nazi experimentation."

"We must choose between a sanctity of life ethic and a quality of life ethic," said Rep. Joseph Pitts, R-Pa., who echoed several other of the bill's supporters who stressed the value of a potential life.

Members of Congress were unanimous in their contention that any kind of reproductive cloning is immoral and should be illegal. But supporters of the Greenwood Amendment took issue with the assignment of life to an embryo. Those against therapeutic cloning are equating "six cells in a petri dish" to living human beings, said Rep. Zoe Lofgren, D-Calif., who added that "opponents are imposing their religion" on sick Americans.

Proponents of therapeutic cloning contend the research it yields could help millions suffering from diseases such as Parkinson's, Alzheimer's, and cancer, along with spinal and brain injuries.

# WEATHER

## Still Winter

By Robert Lindsay Korty

STAFF METEOROLOGIST

March 1 is regarded as the first day of spring for many meteorological and climatological analyses, but it will continue to feel like winter as the new month begins. For much of this winter, the polar vortex, which usually sits over the North Pole, has been divided into two lobes, with one positioned over Quebec. This has facilitated several outbreaks of Arctic air across the northern United States. Again this week unseasonably chilly air will remain in place across New England. This is the first winter in three years to have temperatures at or below normal.

At least the amount of daylight is growing rapidly; there will be eleven hours and ten minutes today. The vernal equinox, a more traditional definition of the beginning of spring, occurs in less than three weeks, on March 20.

### Extended forecast

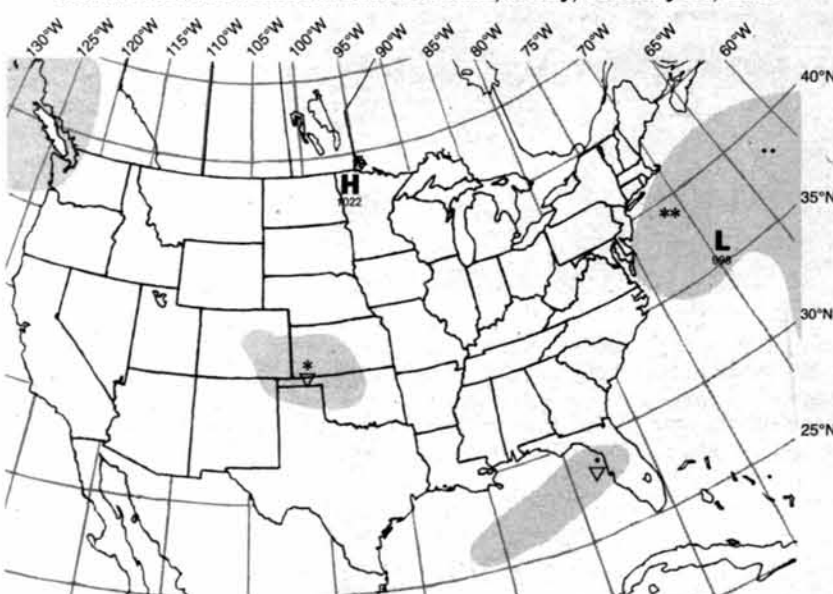
**Today:** Variably cloudy. High 32°F (0°C).

**Tonight:** Partly cloudy. Low 20°F (-7°C).

**Saturday:** Cloudy, light snow overnight. High 38°F (3°C), low 28°F (-2°C).

**Sunday:** Mostly cloudy and cool. High 35°F (2°C).

Situation for Noon Eastern Standard Time, Friday, February 28, 2003



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
<b>H</b> High Pressure	<b>T</b> Trough	Snow:	Fog
<b>L</b> Low Pressure	Warm Front	Light:	Thunderstorm
Hurricane	Cold Front	Moderate:	Haze
	Stationary Front	Heavy:	Compiled by MIT Meteorology Staff and The Tech

# Libeskind, WTC Designer, Says Buildings to be Done in 4 Years

By **Katia Hetter**  
NEWSDAY

NEW YORK

The architect named to redesign the World Trade Center site hopes a memorial, transit station and cultural buildings will be built within four years, although officials Thursday said it could take longer.

Architect Daniel Libeskind's winning design, announced Thursday, preserves a portion of the Ground Zero pit for a memorial and features a 70-story building with a 1,776-foot-high spire and indoor gardens.

Officials praised Libeskind's design for beautifully bringing together office, retail, cultural and memorial spaces, including an inno-

vative use of building location and sunlight that creates a memorial each Sept. 11.

"This morning we make a solemn vow to future generations of New Yorkers: We will not be defined by the hatred of a single day, but by the spirit of strength and unity that followed," said Gov. George Pataki.

It may not move as quickly as Pataki or Libeskind would like. While officials laud the plans, some already are starting to voice concerns. Libeskind's vision will be refined and adapted — but some family members worry it will be diluted and diminished. And unanswered questions abound.

"Who's the client? Who signs

the contract with Libeskind? Those are the questions that are material," and the governor and mayor must answer them, said Roland Betts, chair of the Lower Manhattan Development Corp.'s site planning committee.

It's not clear which agency will hire Libeskind or pay the \$300 million pricetag for the public spaces. Private developers will pay for office and retail space according to market demand.

And while construction union officials eagerly await the jobs that will come from development, Port Authority official Anthony Cracchio called a four-year timeline "a bit optimistic," predicting it could take five or six years.

# NASA Announces Plan to Replace International Space Station Crew

By **Nick Anderson**  
LOS ANGELES TIMES

WASHINGTON

NASA announced plans Thursday to bring three astronauts on the international space station home in a Russian vehicle by early May and replace them with a bare-bones crew of two for up to two years while the space shuttle fleet remains grounded following the Columbia disaster.

But NASA administrator Sean O'Keefe warned Congress that the space agency and its international partners are prepared to evacuate the \$100-billion orbiting station, at least temporarily, if adequate water and other critical supplies cannot be maintained.

National Aeronautics and Space Administration officials at Johnson Space Center in Houston said the construction of the space station, which is little more than half-built, has come to an abrupt halt. The space shuttles are a critical supplier of personnel, supplies and parts to the space station, so the space station's scheduled completion date of 2006 will be pushed back, said NASA spokesman Rob Navias.

In his starkest evaluation yet of the peril facing the station since the Columbia disintegrated on Feb. 1, O'Keefe said if an unmanned resupply mission scheduled for June fails to reach the station, officials will likely recommend that

astronauts on it "dim the lights and come home."

While supply missions with Russian Progress craft have been considered relatively routine, O'Keefe stressed the high stakes involved repeatedly in his testimony. O'Keefe told lawmakers that the station could probably operate for six months to a year without a crew, "assuming no other unforeseen circumstances."

After that, NASA officials said Thursday, the station would not have enough propellant to keep it in its proper orbit path. The space station falls more than 600 feet each day because of gravity and often relies on the space shuttle's powerful thrusters to push it back up.

## Florida's Graham Enters Democratic Presidential Race

THE WASHINGTON POST

WASHINGTON

Sen. Bob Graham, D-Fla., a proven vote-getter in one of America's essential swing states, quietly entered the crowded field for the Democratic presidential nomination Thursday, filing papers in Florida and Washington to set up a campaign committee.

Graham brings to race one of the best-rounded resumes in politics: two successful terms as governor, five statewide victories in a populous, moderate state, and leadership of his party's senatorial campaign committee. As chairman of the Senate Intelligence Committee, he spent last year warning the nation that the Bush administration is not doing enough to protect the homeland from terrorist attacks.

But Graham, the ninth Democrat to join the race, is widely viewed as getting a late start. Even more potentially damaging is his reason for delay: He is recuperating from major heart surgery performed Jan. 31.

In a telephone interview from his Washington townhouse, Graham, 66, said his recovery is going well. He said he is "following doctor's orders in terms of taking it easy and getting some exercise," and he is "very, very serious" about quickly filling his campaign bank account and hiring a staff.

## Mister Rogers Dies Of Stomach Cancer at 74

THE HARTFORD COURANT

Gentle children's TV host Fred Rogers died in his Pittsburgh home of stomach cancer Thursday at the age of 74. But "Mister Rogers' Neighborhood," the longest-running show on public television — all 900 episodes — continues to run, more than two years after the last show was taped, on scores of public broadcasting stations.

New generations of preschoolers continue to be charmed by the kindly touch of the longtime host, who began his shows by changing into clothes as comfortable as his approach: sneakers and a cardigan sweater.

A smiling and guiding hand in front of the camera, Rogers was also busy behind the scenes, writing all of the songs on the show, providing the voices of many of the puppets, such as King Friday XIII and Curious X the Owl, who followed Rogers from the early days of his TV career, when he was puppeteer on a local show, "The Children's Corner." That ran for seven years on WQED in Pittsburgh starting in 1954.

A native of Latrobe, Pa., Rogers became an ordained Presbyterian minister. Through the years, Rogers won two Peabody Awards, four Emmys, a lifetime achievement award from the National Academy of Arts and Sciences, and, most recently, the nation's highest civilian honor, the Presidential Medal of Freedom.

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

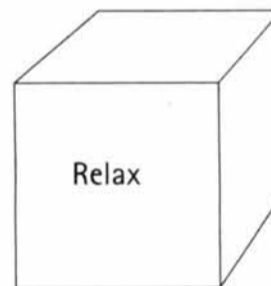


# Stress

You can't just breathe it away.

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

Because sometimes it takes more than just a deep breath.



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# OPINION



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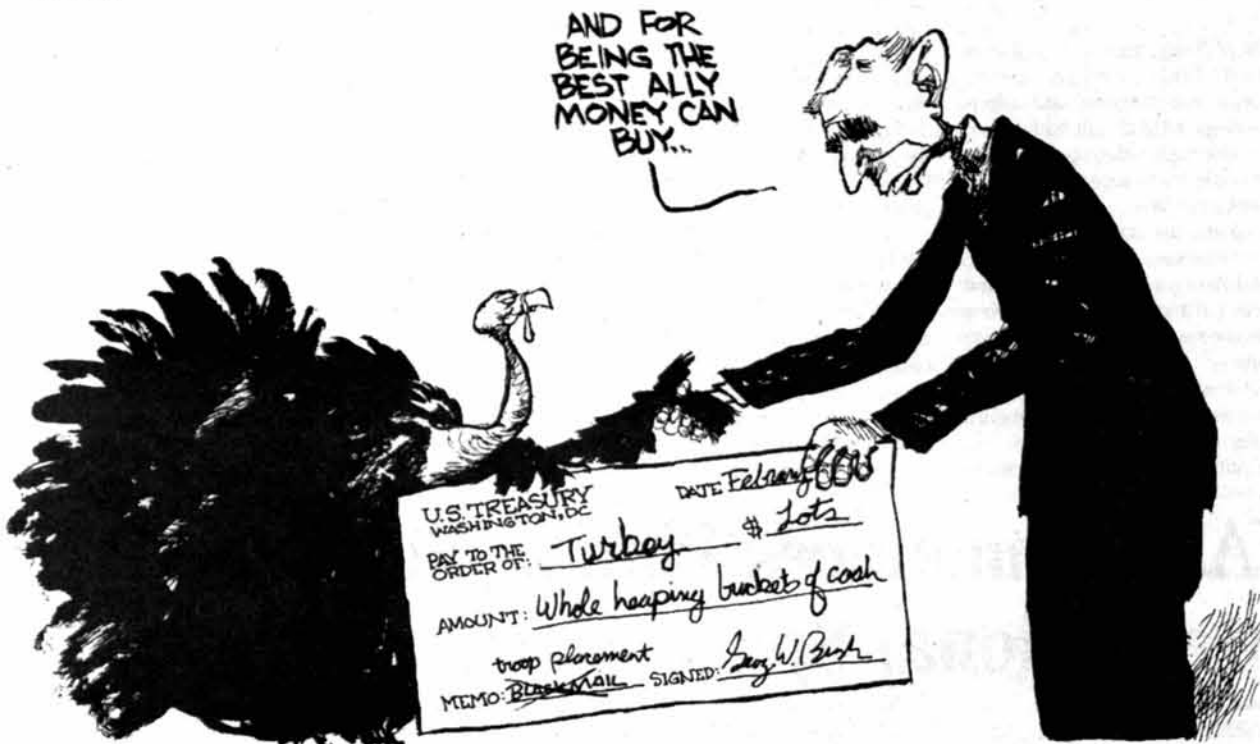
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## Letter To The Editor

### Is the Administration Behaving Scientifically?

One would think that the top researchers would know that in any controlled experiment, only one variable at a time should be changed. That way, one can see the results of the changes. So why has MIT decided to change multiple factors for the Class of 2006; all freshmen living on campus, no more pass/ no record for the spring term,

everyone having to take 8.02 taught in the Technology Enabled Active Learning format? And if it turns out that our class ends up really messed up (either in terms of grades, or mentally, or whatever), the administration will probably, without any input from the freshmen, blame it on the "lack of sponginess in the architecture at Next House," build three more ugly dorms, remove pass/ no record entirely, and turn every class into the TEAL format. Because isn't that what's best for freshmen?

Jonathon Long '06

## Errata

A Tuesday opinion column ["Religion and Democracy"] referred imprecisely to the Second Vatican Council. The council worked under Pope John XXIII and Pope Paul VI from 1962 to 1965, not only in 1964 and not under Pope John Paul II, who did not become pope until 1978.

A Tuesday review of MIT's production of *The Vagina Monologues* ["Love Your Vagina"] misspelled an actress' surname. She is Neha R. Bhooshan '04, not Booshan.

## 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.

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

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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

*The Tech's* telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to [general@the-tech.mit.edu](mailto:general@the-tech.mit.edu), and it will be directed to the appropriate person. *The Tech* can be found on the World Wide Web at <http://the-tech.mit.edu>.

# Delayed Promises

Gretchen K. Aleks

Since President Bush delivered his rousing State of the Union speech in January in which he announced that his administration would budget \$1.2 billion dollars for research into fuel cells for automobiles, the media has been abuzz with talk of super-sleek hydrogen-powered vehicles cruising down America's highways, generating no pollutants save sweet, sweet water vapor more pure than a mountain stream. This scenario is a huge joke, just like the United States' energy policy has been for the past thirty years.

The government, with a little encouragement from oil, gas, and automotive corporations, has managed to avoid implementing alternative or renewable energy sources on any significant scale since the 1970s by continually promising better, more efficient, more reliable energy sources in the future. What's the reason that a pitiful one-sixth of one percent of electricity in this country comes from solar energy? Clearly it's because in ten years, we will have developed a photovoltaic cell that can compete price-wise with oil. And why shouldn't the government subsidize alternative technology now? Just as obviously, it's because the government's money can be better spent funding research so that a hypothetical solution can be developed for later. Sadly, this same argument has been at work since the oil shocks of the 1970s, and it has succeeded mightily in postponing the phasing-in of sustainable sources.

It is deceitful for the government to continue advocating this line of reasoning. By all indicators, renewable energy technologies have outperformed expectations. They are more reliable and, yes, cheaper than anyone expected them to be in the 1970s when the government first started investing heavily in alternative energy technology research. The awesome leaps made in the fields of alternative energy technology have been accompanied by gains in oil and gas recovery technology. Although the cost per kilowatt hour of energy capture from wind or solar sources, for example, is cheaper than analysts predicted in the 1970s, so is the cost of drilling a hole in Alaska or off the coast of Louisiana. The combined effect of direct governmental subsidies for oil and gas extraction — with indirect incentives such as low taxes on gasoline — means that fossil fuels remain cheaper than renewables and will continue to dominate the market until Washington takes the next step by actually segueing in the technology its money has devised, rather than simply funding more and more research.

The U.S. government has gotten away long enough with neglecting its responsibilities to implement some of the energy technologies that have been developed. It is far less expen-

sive for them to continue funding energy research than for them to start subsidizing the implementation of the technology already developed. This is the game that Bush intends to play by trying to convince 250 million people that what this country needs is cars that run off fuel cells. Although certain types of fuel cells do offer potential for clean energy and electricity generation far in the future, the cells that Bush has in mind operate by taking hydrogen, reacting it with oxygen from the air, and producing water vapor. The reaction is exothermic, and the mechanics of the cell turn this energy directly into electricity, which is then harnessed to power an automobile. The problem is that hydrogen gas is not abundant, so we must generate it in order to use it in fuel cells. Bush's plan for hydrogen generation involves natural gas: if you combust methane, you'll get hydrogen, but you'll also get carbon dioxide, carbon monoxide, other pollutant gases, and aerosol pollutants.

Not only are fuel cells not as environmentally friendly as the good folks in Gale Norton's Department of the Interior make them out to be, but hydrogen-powered cars are still years away. Even with the billion dollars that Bush wants to sink into fuel cell research, this technology will not come to market for at least another 10 to 15 years.

If Bush really were committed to developing fuel-efficient cars, he would subsidize hybrid electric vehicles rather than a technology that will not be ready for another ten years. And in ten years, more likely than not, whoever occupies the oval office will say that the technology is still too expensive to compete with good old petroleum. Hybrid Electric Vehicles contain mature technology that makes driving a car more environmentally-friendly than driving a traditional gas-powered vehicle by coupling an electric motor with a gasoline-powered generator. The smaller engine means that less gasoline is used to power the car, leading to less pollution, yet the car has similar performance specs to those of a traditional vehicle. The drawback to hybrid electric vehicles is again price: a hybrid Toyota Prius costs around \$19,000 while a traditional Echo costs around \$10,000. American consumers are not willing at this point to make up for the price differential without government subsidies, and unfortunately, the big three auto manufacturers in the states are less excited about the mass manufacture of hybrid vehicles than they are about the prospect of continuing to receive government funds to develop yet another technology that will likely never be implemented. American consumers and tax payers should try to reverse this disturbing tradition and demand that the government carry through on its energy promises by actually making new technologies affordable.

# All that Money Can Buy

Ed Kopesky

*Editor's note: For years, rebellion against authority has been powerfully expressed through song. This lyric is set to the tune of Don McLean's American Pie.*

A long long time ago  
I can still remember how that stipend used to  
make me smile  
And I knew that if I had my chance  
That I could get MIT grants  
And maybe they'd treat us well for a while  
But February made me shiver  
When the steep rent hike was delivered  
Thirteen percent for next year  
Our financial ruin drew near  
I then remembered what I lost  
When I paid those huge off-campus costs  
So my piggy bank was tossed  
The day rents went sky high

So bye bye, all that money can buy  
Debts piled sky high now you know our  
poverty's bonafide  
While Vest enjoys drinking his best vintage  
wine  
Singing "This'll be the day the rents rise  
This'll be the day the rents rise"

Double trouble the stock market stumbled  
The endowment slipped and provost Brown  
grumbled  
"Nominal growth now" he whined  
It steadied at a five-billion mass  
An amount the size of Mama Cass  
More than Lucas and Spielberg combined had  
amassed  
But although it had nearly grown times four  
Since good ol' nineteen ninety-four  
The Vester sang the blues  
While a poor UROP shined his shoes  
And while the grads trudged to work through  
the muck  
Vest asked the valet for his brand new truck  
And tipped the man a quarter buck  
The day rents went sky high

So bye bye, all that money can buy  
Now we're smartin, like Steve Martin in  
Father of the Bride,  
But Vest could fund four weddings and a fun  
ride  
Singing "My Ferrari sure can fly  
My Ferrari sure can fly"

Now for  $n$  years we've been on our own  
And dust grows fast on the tenured's bones  
Sitting in endowed chairs with glee  
And the Vester ate all that free cuisine  
With a slew of MIT's rich deans  
And the funds that came from you and me  
Oh, and while the grads were looking down

The Vester took their every pound  
The endowment doubly earned  
Not a cent was returned  
And while Course 8 read a book on quarks  
The grad students worked well past dark  
And U.S. News gave MIT high marks  
The day rents went sky high

So bye bye, all that money can buy  
Thought of movin' in and snoozin', with  
Bilbo in the Shire  
But I'd still picture Vest guzzlin', down that  
wine  
Singing "The best come anyway, so why try?  
The best come anyway, so why try?"

I would write a letter to the Gov.  
But the cost of one stamp is above  
One month's disposable dough  
Could the money crunch have been foretold?  
When Simmons Hall cost its weight in gold  
With a design right out of a freak show  
Such flash in Cambridge had the sense  
Of a pearly gate on a rotting fence  
And nearby for half the price  
A house twice the size that looked nice  
And when S&P climbed high into the night  
Its budget truly came out right  
But we wouldn't take cramped quads without  
a fight  
The day rents went sky high

So bye bye all that money can buy  
To survive I'll have to write the next Ameri-  
can Pie  
Or remake Lions, Tigers, and Bears oh my,  
Singing Vest could play the tin man just fine  
Vest could play the tin man just fine

I met a girl who sang the blues  
After she'd paid her activity fee dues  
She said, I'll be broke by May  
I went down to the grocery store  
Where I'd spent some money long before  
But the man there said I had nothing with  
which to pay  
And the Infinite Corridor filled with screams  
The  $n$ th-years cried and the first-years dreamed  
But Vest kept hold of our goods  
And to the mirror he said, I'm Tiger Woods  
And the three films he enjoys the most  
The Godfather, Nuns on the Run, and Ghost  
Were all shown at his big beast roast  
The day rents went sky high

So bye bye, all that money can buy  
Lost all our pay and still each day we're in lab  
until nine  
While Vest goes out and gets some more vin-  
tage wine  
Singing "MIT'll care when pigs fly  
MIT'll care when pigs fly."

*Ed Kopesky is a graduate student in  
Chemical Engineering.*

# TEAL Adds Human Touch

William Li

As a student this term in 8.02, taught in the Technology Enabled Active Learning format, I've become increasingly aware of the complaints and frustrations my fellow students are feeling. There are some who express their disapproval by turning entire class periods into a big joke for themselves. These students, for example, use classroom laptops for e-mail or instant messaging and other forms of personal use, and treat the PRS (Public Response System) questions as a game where they compete with other classmates to appear as many times as possible on a display which records their responses. As I watch my classmates clicking away emphatically and repeatedly, and some among them reenacting scenes from Star Trek as they wave their clickers as if phasers, I can't help but chuckle, sometimes even out loud. I take it all in stride, with the rest of TEAL.

But despite the annoying reading questions due before class each day, or the fact that sections are two hours long and pass right through lunchtime, I look forward every week to the time I spend in the TEAL studio classroom. So maybe we haven't sunk our teeth into the dense theory behind the concepts, or the hideous math that proves the formulas, but for the first time since I arrived at MIT last fall, I found a sense of something human in the classroom, a nice break from cold, bland lectures and recitations. While these classes certainly did their job, getting me to learn the enormous amounts of material I was responsible for, it's nice, once in a while, to be in a classroom where you can take the microphone, where the professor

comes to your table, and where you can laugh with others at your mistakes.

One of the first things I noticed was that I could see the faces of my classmates, or at least of those who were sitting at my table. For a fleeting moment, I felt a bit strange, not sure where to look, or whether I should introduce myself to those around me. Then someone offered to start the round of introductions and immediately everyone seemed a little more comfortable. I came to the frightening realization that I had grown a bit used to seeing the back of my classmates' heads, and never having to communicate with any of them who I didn't know. Now, I can catch the expressions and hear the conversations of people at my table. Sometimes, we'll nod in agreement to an answer, other times we'll give each other puzzling looks during a workshop, and on occasion, when a piece of equipment fails to work properly, we'll exchange a few jokes.

Even though the class is divided into tables, which are further divided into groups of three, the class still manages to preserve some level of unity. For example, despite how it resembles a particular game show, the PRS questions and bar graphs bring the class together. I can always feel a slight connection with those who gave the same answer I did, even if they're merely represented by a bar, and even if together we make up just a short bar.

Knowing that I am a part of the statistics that make up the chart, that in turn makes up the class, I feel a much more connected part of the whole. On other occasions, students may

volunteer themselves for "thirty seconds of fame," when they take the microphone and hold complete attention of the cameras, which project their images on screens placed all around the room, as they explain a concept or solve a problem. While it is certainly important to have the professor present the key points of a lecture, it is equally satisfying to see a fellow classmate, who is in the same process of learn-

ing the material as I am, who I can relate to, play the role of instructor once in a while.

At this point, I am clearly at risk of sounding facetious, of overvaluing these experiences over the real purpose and goals of the class. At this institution, where only the most motivated and passionate students in the nation come to be further challenged, nothing can come at the cost of real learning. There is no room to reflect on this intangible concept of "something human." We're here to learn the theory, to do the math, to solve the problems.

Sure, but who says we can't mix the two? I admit, 8.02 TEAL has so far lacked the rigor of a typical MIT class. The much-emphasized hands-on experiments have been far from engaging, demonstrating only trivial concepts most of us are already familiar with, and lectures merely skim the surface of the materials. As the program is still in its experimental stages, it is my belief that throughout this term, the format of the class will constantly reshape itself until it meets MIT standard of intensity. However, these experiences are what make TEAL special, and it is my earnest hope that amidst the changes that still need to take place, the value of such experiences to the class may not be lost.

*For the first time since  
I arrived at MIT last fall,  
I found a sense of something human  
in the classroom, a nice break  
from cold, bland lectures and recitations.*

**pooplets & pooplings**

"ONE RING TO BRING THEM ALL, ONE RING TO FIND THEM..."

"... ONE RING TO BRING THEM ALL AND IN THE DARKNESS BIND THEM."

"hack rat"  
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HMM...

SPECIAL  
SPECIAL!

TODAY ONLY

ARTS AGRICULTURE AND TODAY

I WONDER WHAT IT IS?

IT MUST BE IMPORTANT, TO GET SO MUCH PUBLICITY.

OF COURSE, THAT WAS SARCAASM.

(I WONDER... HOW MUCH OF THIS IS BEING PAID FOR BY MY TUITION?)

COPYTECH 34 COPY DAY!

9. Bann 2/28/03

## Hay Fever

by: Qian Wang + Jennifer Peng

Crap! All my clothes are dirty!

Jen, do you have any band aids?

No

Do you have duct tape?

No...why?

Well... it's nippy outside. EWWW!

2-28-03

E-mail us any comments, complaints or compliments.

-JPeng

## THE RICK AND CHESTER SHOW

WHAT'S WRONG, RICK? YOU LOOK LIKE THERE'S SOMETHING ON YOUR MIND.

I'M PONDERING OVER THE MANY UNANSWERED QUESTIONS OF THIS MYSTERIOUS WORLD...

WHY DOES FEBRUARY HAVE TWO R'S? WHEN I RETURN A RENTED MOVIE, WHY DON'T THEY HAVE TO RETURN MY MONEY?

WHY WAS 10.493 ONLY 4 UNITS? WHY DO GUMMY BEARS COST TWICE AS MUCH AT MACGREGOR THAN THEY DO AT LA VERDES?

I SHALL MEDITATE OVER THESE QUESTIONS UNTIL THE ANSWERS COME UNTO ME.

BEFORE I MEDITATE, I THINK I'LL STOP AT MACGREGOR CONVENIENCE. I'M HUNGRY.

... MMM... GUMMY BEARS... SOFT... CHEWY...

WHAT? BUT YOU JUST SAID IT'S MORE EXPENSIVE! WHY DON'T YOU GO TO LA VERDES?

CAUSE IT'S COLD OUTSIDE, LA VERDES IS 3 ZILLION MILES AWAY, AND I'M HUNGRY NOW.

SOME CALL IT THE WORK OF CAPITALISM. I CALL IT THE "LAZINESS TAX."

E10

# FoxTrot by Bill Amend



# Dilbert by Scott Adams



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# Down the Hatchet

## Ticked Off at Time

By Akshay Patil  
COLUMNIST

There comes a time in your life when you must make the decision to buy a new watch. For some people, this happens on a regularly basis, when they are forced to make the tempting decision of whether or not to add a cool-looking watch to their mini-warehouse of time keeping apparel. For me (and many more fiscally conservative individuals), this time comes when my current watch breaks. For me, this time is now.

Yes, my \$40-dollar watch purchased from eBay senior year of high-school is now on it's final legs (or arms, haha!) of existence. It's not really broken... I mean, it keeps time and whatnot, but there's this weird pin thing that I thought was fixed but then broke again. Now I figure it's just not worth the hassle. Something like that. Anyways, to make a short story shorter, I need to start looking for a new watch. There are a lot of things you have to consider when getting a new watch. How stylish? How functional? How much? Sadly, I don't have the answers to any of these questions.

On the one hand, I know I don't want one of those watches that tries to trick you... you know, those watches where the makers feel like the only important times of the day are noon and midnight? Because who needs little tick-marks indicating the hours when you can force people to stare for days at their watches, perplexed as to what hour it is.

Not that the tick marks really help me that much — most of the time people ask me what time it is and I just look dumfounded at my watch, unable to tell for myself. I've now learned that the best way to satisfy other people's curiosity is to just let

them read my watch themselves.

"Then why" you ask "don't you just get a digital watch?" To that question, my friends, I don't have an answer. Sure, digital watches are more convenient, keep better time, cost less, and have more features, but those are irrelevant points.

I mean, who uses their watch to tell time? Seriously. The cool thing about analog is that it's stylish and has more room for personality. I mean, my old watch had Marvin the Martian on it. Come on, how much more stylish can it get than that? And talk about suave... women swooned at the sight of my wrist. Sure it wasn't great quality, but who cared? It looked nice at a quick glance and closer analysis offered entertainment to most admirers. It kept reasonable time and always had the date right, or at least it would have if all months had 31 days. It's a good watch, and I feel pressured to find a suitable replacement that can retire good ol' Marvin in style.

The problem is that I need to decide what sort of statement I want my watch to make. A minimalist watch that says that I value elegance? An expensive watch to wow the homies in the hood who are all about the bling bling? Maybe I can show my nerd pride with one of them futuristic watches that powers itself from your body heat and recalibrates every five seconds by measuring the earth's distance from the sun. Perhaps I should opt for a piece of legendary Swiss craftsmanship, declaring that I'm right, you're wrong, and the time is *exactly* 4:23 pm (and 46.7 seconds). Or maybe the answer is to just go watchless altogether and wear Hawaiian shirts to match.

There are so many options to choose from. The decision gets so frustrating it makes you want to just throw everything out the window and watch the time fly.

# Crossword Puzzle

Solution, page 20

**ACROSS**

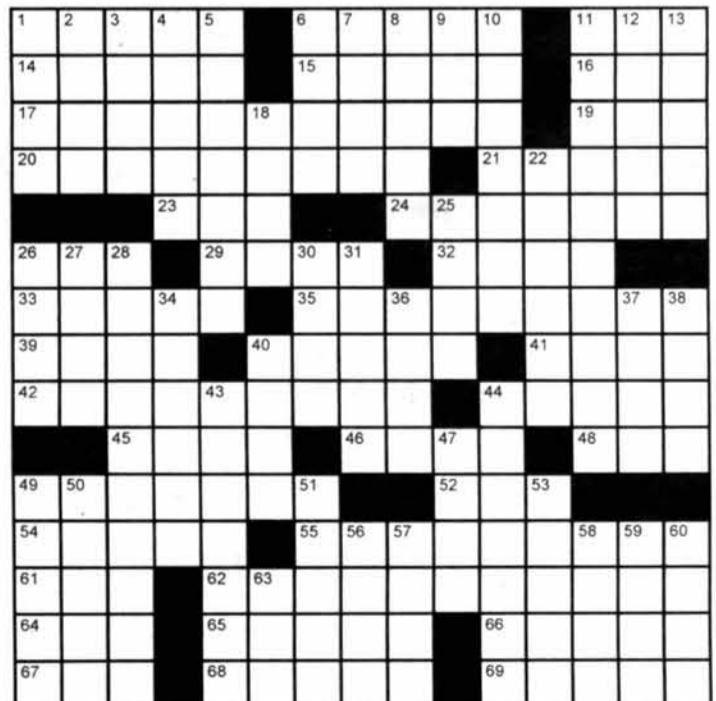
- 1 Shane and Connie
- 6 Sneeze sound
- 11 Nav. rank
- 14 WWII sea menace
- 15 A Marx Brother
- 16 Poetic planet
- 17 Brightly colored, spiny fabric?
- 19 Little piggy
- 20 Couturier Yves
- 21 Adlai's 1956 running mate
- 23 Peak on Crete
- 24 \_\_\_ & Principle
- 26 33rd president
- 29 Self-images
- 32 Searing injury
- 33 Drying cloth
- 35 Contemplated
- 39 Level
- 40 Fashion
- 41 Make a driveway
- 42 Abundant
- 44 Colorado ski resort
- 45 Clock face
- 46 Caesar's question to Brutus

- 48 Annapolis grad
- 49 Shah's former capital
- 52 Gradual bend
- 54 Give off
- 55 Plenty of space
- 61 Masters players' org.
- 62 Design a tatted route?
- 64 Car's rear end?
- 65 Warren and Scruggs
- 66 Minimum
- 67 Atl. summer hrs.
- 68 Ringlet
- 69 Raines and Fitzgerald

**DOWN**

- 1 No \_\_, no fuss
- 2 Aid in wrong-doing
- 3 Fossil fuel
- 4 Hawaiian island
- 5 Rolled pastry loaf
- 6 Yearning
- 7 Something to keep up
- 8 Clues
- 9 Halloween mo.
- 10 Seep forth
- 11 Captured on a cloth video?
- 12 Brief intro

- 13 Needs to lose
- 18 Rocky outcrop
- 22 Sandal ties
- 25 Irish Rose's lover
- 26 Letters before www
- 27 Ground
- 28 Woolen valentine?
- 30 Melville work
- 31 Smooth transition
- 34 Banks and Kovacs
- 36 Fine, dry particles
- 37 All tied up
- 38 Cozy spots
- 40 Constellation in Argo Navis
- 43 Mini-pie
- 44 Halo
- 47 Bath powder
- 49 Home on the plains
- 50 \_\_\_ on (incited)
- 51 Mother-of-pearl
- 53 Savage
- 56 Tillis and Brooks
- 57 Overtake
- 58 Word of mouth
- 59 Greek mountain
- 60 New York nine
- 63 Rhine tributary



# Events Calendar

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

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

Friday, February 28

**7:30 a.m. - 8:30 a.m. - CRE Association Breakfast Series.** Ms. Abigail F. McCarthy, Director of Industry Information, National Association of Real Estate Investment Trusts (NAREIT). free. Room: W31-305. Sponsor: Center for Real Estate.

**10:00 a.m. - 3:00 p.m. - Repetitive Strain Injury Awareness Day.** Stop by our booth in Lobby 10 to speak with clinicians from MIT Medical who specialize in treating RSI and learn how to prevent it. free. Room: Lobby 10. Sponsor: MIT Medical, MEDLINKS.

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

**12:10 p.m. - 1:00 p.m. - GABLES Lunch.** GABLES is the M.I.T. g/bt staff & faculty group. The lunch is an opportunity

for us to gather in a social environment to meet and greet one another. It is also a venue for us to talk about issues of interest to the M.I.T. and larger communities. Our colleagues from the wider community are invited to join us. free. Room: Various. Sponsor: GABLES.

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

**2:00 p.m. - 3:00 p.m. - Spam Filtering Quick Start.** This discussion will cover the basics of e-mail spam screening that has been implemented at MIT through the use of SpamAssassin. Discussion will include how to configure different e-mail clients to filter messages considered to be spam, as well as how to set your spam scoring threshold and how to use allow/deny lists. free. Room: N42 Demo Center. Sponsor: Information Systems.

**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. - PSFC Seminar.** Magnetic Reconnection in Resistive MHD and in Hall MHD. free. Room: NW17-218. Sponsor: Plasma Science and Fusion Center.

**4:15 p.m. - 5:15 p.m. - A Survey of Crystal 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. - Opening Exhibition: First Juried Student Origami Exhibition.** Exhibition of winners of student competition staged by the MIT Office of the Arts Special Programs, MIT Japan Program and the office of Erik Demaine. Jury included Assistant Professor Erik Demaine, Laboratory for Computer Science Visiting Scientist Martin Demaine, MIT Course 6 PhD alumna Jeannine Moseley, MIT Course 16 alumna Anne LaVin, and MIT Course 6 alumna Elsa Chen. Show on view through May 15. free. Room: E15-205. Sponsor: MIT Japan Program. MIT Office of the Arts Special Programs, office of Assistant Prof Erik Demaine.

**6:00 p.m. - 9:00 p.m. - Pani Puri Party.** Study break with a spicy treat. free. Room: W20-491. Sponsor: Graduate Student Council, Sangam.

**7:00 p.m. - 11:59 p.m. - MIT Anime Club showing.** Join us as we show a mixture of brand new and classic works from Japan's fabled animators. Films about giant robots and big hair, but also films about romance, growing up, and some truly bizarre comedy. free. Room: 6-120. Sponsor: Anime Club, MIT.

**7:00 p.m. - Standing in the Shadows of Motown.** In 1959, Berry Gordy Jr. gathered the best musicians from Detroit's thriving jazz and blues scene to begin cutting songs for his new record company. Over a fourteen year period, they were the heartbeat on every hit from Motown's Detroit era. By the end of their phenomenal run, this unheralded group of musicians had played on more number one hits than the Beach Boys, the Rolling Stones, Elvis, and the Beatles combined - which makes them the greatest hit machine in the history of popular music. They called themselves the Funk Brothers. Rated PG for language and thematic elements. \$3. Room: 26-100. Sponsor: LSC.

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

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

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

**10:00 p.m. - Standing in the Shadows of Motown.** Rated PG for language and thematic elements. \$3. Room: 26-100. Sponsor: LSC.

Saturday, March 1

**9:00 a.m. - 8:00 p.m. - The 2003 MIT-Harvard Conference on Neuroscience.** The 2003 Conference on Neuroscience is the seventh annual international symposium organized by the Hippocratic Society. This year, through a series of keynote and featured speakers, panel discussions, case studies, and expert seminars, we hope to explore key issues neuroscience, ranging in theme from neurological imaging technologies and artificial intelligence to techniques of neurosurgery and the ethical issues surrounding congenital or senescent neurodegenerative disease. free for undergraduates, MIT/Harvard affiliates. Room: MIT, Lobby 10 Registration, Keynote addresses

and panels: 10-250. Sponsor: Hippocratic Society.

**10:00 a.m. - Women's Lacrosse vs. Tufts University.** free. Room: Jack Barry Turf. Sponsor: Department of Athletics, Physical Education and Recreation.

**1:00 p.m. - Women's Gymnastics vs. Springfield College.** free. Room: duPont Gym. Sponsor: Department of Athletics, Physical Education and Recreation.

**4:30 p.m. - 8:30 p.m. - HTC@MIT Film Festival.** see web page. free. Room: Bartos Theater, E15. Sponsor: Media Lab, History, Theory and Criticism of Architecture and Art, Department of Architecture. Council for the Arts.

**7:00 p.m. - Solaris.** Steven Soderbergh (Erin Brokovich, Ocean's Eleven) directs this remake of the 1972 Russian Science Fiction classic. Years of grieving for his dead wife have worn Chris Kelvin (George Clooney) down to his core. A psychologist by profession, Chris is summoned by the government to a remote space station in the far reaches of the universe. The station is orbiting a mysterious planet called Solaris, and the crew aboard is experiencing strange dream-like manifestations that have led one crew member to suicide. Rated PG-13 on appeal for sexuality/nudity, brief language and thematic elements. \$3. Room: 26-100. Sponsor: LSC.

**8:00 p.m. - ICCA Northeast Regionals.** See the Chorallaries of MIT compete against other collegiate groups from the New England area. \$5 general, TBA students. Room: Veritas Auditorium, The Elms College, Chicopee, MA. Sponsor: Chorallaries of MIT, The.

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

**10:00 p.m. - Solaris.** Rated PG-13 on appeal for sexuality/nudity, brief language and thematic elements. \$3. Room: 26-100. Sponsor: LSC.

Sunday, March 2

**9:00 a.m. - 6:00 p.m. - The 2003 MIT-Harvard Conference on Neuroscience.** free for undergraduates, MIT/Harvard affiliates. Room: MIT, Lobby 10 Registration, Keynote addresses and panels: 10-250. Sponsor: Hippocratic Society.

**7:00 p.m. - Standing in the Shadows of Motown.** \$3. Room: 26-100. Sponsor: LSC.

**10:00 p.m. - Solaris.** Rated PG-13 on appeal for sexuality/nudity, brief language and thematic elements. \$3. Room: 26-100. Sponsor: LSC.

Monday, March 3

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

**12:00 p.m. - 1:00 p.m. - Stellar Quick Start.** Stellar 1.4, the latest release of MIT's online teaching and learning management system, enables instructional staff to easily create a class Web site while offering students easy access to class information. This session will demonstrate how to use Stellar's Instructor Toolset to securely post class readings and announcements, manage homework assignments and submissions, facilitate online class discussions and more. For further information, see: <http://stellar.mit.edu/>. free. Room: N42 Demo Center. Sponsor: Information Systems.

**2:00 p.m. - 5:00 p.m. - Learning Together-Working Together.** This course provides an opportunity for students to develop a deep understanding of the personal, inter-personal and institutional dynamics of race, ethnic and cross-cultural relations at MIT, practice in the skills needed to work effectively and lead diverse groups and teams, and an opportunity to participate in a focused project aimed at improving some aspect of campus race relations. Through the course participants will acquire an understanding of the history of race relations at MIT. free. Room: To be announced. Sponsor: Committee on Campus Race Relations.

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

**3:00 p.m. - 7:00 p.m. - Rainbow Lounge Open.** MIT's resource lounge for lesbian, bisexual, gay, and transgendered members of the community offers a place to hang out, various activities, and a lending library during its open hours. free. Room: 50-306. Sponsor: [lbgt@MIT](mailto:lbgt@MIT).

**4:00 p.m. - 5:00 p.m. - "The rectifiability of shock waves for non-linear conservation laws."** free. Room: 2-143. Sponsor: Differential Geometry Seminar. Department of Mathematics.

**4:15 p.m. - 5:15 p.m. - Nuclear and Particle Physics Colloquium.** Seminar. free. Room: Kolker Room, 26-414. Sponsor: Laboratory for Nuclear Science.

**5:00 p.m. - 6:30 p.m. - Navigating the Job and Internship Market.** Discover ways to look for a job or internship through the traditional methods and the hidden job market. Please register for this event at <http://web.mit.edu/career/www/>. free. Sponsor: Career Services Office.

**8:00 p.m. - 10:00 p.m. - UA Elections: Class Council Debates.** Get to know the issues. Listen and ask questions to your future class officers. Food Provided. free. Room: Student Center First Floor. Sponsor: Undergraduate Association.

## ChessMate

Solution, page 20

White to Move and Checkmate in Two



## MIT Emile Bustani Middle East Seminar

Presents

**Dr. MAMOUN FANDY**

Georgetown University

### "Middle East Stability: New Organizing Concepts"

Tuesday, March 4, 2003

4:30 p.m.

E51-095

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# FEATURES

## Staying Safe on the Party Scene

Regulations work behind the scenes to keep partygoers safe

By Eun J. Lee  
FEATURES EDITOR

No institution of higher education is an island. Except, perhaps, the University of Hawaii or Brown University.

Issues of safety at crowded social gatherings like clubs and parties have been in the headlines following a tragic fire that started from a pyrotechnic display in a Rhode Island nightclub and claimed the lives of almost a hundred people. Fire safety is of equal concern here at MIT.

Since the nightclub fire in Rhode Island, the Environmental Health and Safety Office has been reassessing MIT's fire safety policies, particularly to check whether pyrotechnics are being used in stage productions or campus events.

"I'm happy to find out we're not using them [in stage productions]," said Peter M. Bochnak, Safety Program Assistant Director of the Environmental Health and Safety office. "We've asked dorms [if they use pyrotechnics], but we haven't heard back from them yet."

Although pyrotechnics are not explicitly banned in fraternity houses, according to the

Interfraternity Council's Policy for Risk Management, "the possession and/or use of firearms or explosive devices of any kind within the confines and premises of the chapter house are forbidden."

### Dorms, frats track attendance

While all buildings on campus and MIT-affiliated residential houses like fraternities are required to be inspected for fire safety on a regular basis, regulation of student parties is less structured than large school-sponsored events on campus.

"As for how many people go to [student] events, we don't get involved, but there are strict requirements," Bochnak said. "My feeling is that it is the responsibility of the dorms involved with organizing the event to check [that they're not over the maximum capacity]."

In the case of dormitories, there are limits on which rooms in the dorm can be used for functions such as parties, as well as maximum capacities for each room.

Residential graduate assistants, housemasters, and other dormitory staff also usually keep an eye out to make sure that no safety

codes are violated.

Like dormitories, fraternities are responsible for ensuring the safety of their guests at large events, as are sororities and independent living groups.

### Party regulations put safety first

"Safety of the guest is always the first priority of any event that we have," said James R. Warren '04, former rush chair of Phi Sigma Kappa fraternity.

All parties are required to have sign-in lists for guests. Door workers usually keep track of the people coming and the people leaving with clicker counters to make sure that the building is under its maximum capacity. The maximum capacity of each house is included on its dorm license, which is required to be posted near the door.

The maximum capacity of a fraternity house allowed by MIT and IFC regulations is intentionally lower than the maximum capacity listed on its dorm license as an extra safety precaution.

All houses are required to be inspected by city officials to ensure that they are in compliance with all fire and health safety codes. Fra-

ternity house managers are also given check lists for safety code compliance.

"Each house also has a risk manager that should be making sure that they are in compliance with these codes throughout the year," said IFC President Lawrence W. Colagiovanni '04. "We are generally pretty pro-active about this."

In addition to following IFC Community Relations By-Laws, all fraternity events must comply with MIT policy, Massachusetts State Law, and other pertinent rules and regulations.

### On-campus events regulated

The Environmental Health and Safety office works closely with the Campus Activities Complex to ensure that events on campus are safe for guests. The exits in each building are checked on an annual basis by the Cambridge Fire Department checks exits and exit feeders in large venues such as Kresge Auditorium four times a year.

Anyone who suspect the threat of a fire safety violation should contact the MIT Police or the Environmental Health and Safety office immediately.

## Campus Profile — Christopher P. Possinger

ILTFFP leader discusses the campaign

for preserving dorm rush and the MIT way of life

By Brian Loux  
ASSOCIATE FEATURES EDITOR

News of the administration's decision to turn orientation into a more academic experience came to many students as an unwanted Valentine's Day present. Amidst controversy, the decision sparked a reawakening of the group ILTFFP (I Love This Place), which has been considerably dormant since 1999. The group, whose name is a spin on the more familiar acronym IHFTFP (I Hate This Fucking Place), has advocated more student involvement in student life decisions and responds to concerns that "recent administrative policies are endangering the aspects of MIT that we consider special and unique," as their Web site states.

Student activism has had its share of ups and downs. While fighting tooth and nail was not able to preserve Rush, it was able to dissuade the administration from adopting a mandatory meal plan and to convince administrators to open campus dining facilities to competition. How this round will fare is anyone's guess.

Though the hierarchal organization of ILTFFP is intentionally loose, *The Tech* sat down with Christopher P. Possinger '05, one of the leaders of ILTFFP, about the campaign for dormitory rush and the future of student life at MIT.

*The Tech*: What is the most important benefit to dorm rush that overrides the benefits of greater academic immersion?

**Christopher P. Possinger**: We don't oppose the academic things they are trying to do. We understand that it is a tight schedule that cannot allow for every activity. We think there is a place for [dorm exploration in] orientation. That is because it is the one thing that makes MIT so special. Random housing isn't the greatest evil known to man, but our housing system is the greatest thing we have.

Other schools are adopting similar programs as well. It allows for tight-knit communities and friendships, which you need at a place where there is so much pressure. We want to keep that here. It seems, depending on which administrators that you ask, that it is slowly being phased out, as if it is not important. We think that it is important.

**TT**: A similar protest situation occurred with the mandatory meal plan proposal a year ago. Do you think that this series of proposals and protests is a cycle that will continue as time goes on?

**Possinger**: We hope not. One of our overarching goals is to get a student voice in the administration. A lot of time the decisions come directly from high levels of administration that say they are acting with the best interest of the students. And [the decisions]

affect our lives pretty strongly. Some of the times, they make these decisions without receiving student input. [So] they think that they are making these decisions in our best interest, but a lot of times their idea of our

currently given to them are unable to function properly?

**Possinger**: I think one of the things about Dormcon is that they are very large and very bureaucratic, and as such they can't react to



Christopher P. Possinger '05 speaks at an East Campus house government meeting on Wednesday night on behalf of ILTFFP, a student group that advocates increased student input in student life decisions and opposes recent administrative decisions on next year's orientation and dormitory rush.

interest and our best interest are two different things.

So we hope to get more student input in on the things that are important in our lives, though getting dorm rush back is our first concern right now.

**TT**: What do you think are the most important benefits to MIT's student life that you feel may be threatened?

**Possinger**: I think one would be our voice — it is not in danger of being removed by force, but it is in danger of being ignored. The problem here, as with the dining plan, is that these issues come as a surprise to the student body.

It is hard [to say what the other potential threats to student life are], because often these things come as surprises, and that is the problem.

**TT**: The administration's proposal may not have occurred if [the Dormitory Council] had submitted their recommendations regarding dorm rush earlier. How can students be considered a viable part of community decisions, or take a greater role in them, if the channels

the same people that we are speaking to currently. There are also different parties involved with RBA.

**TT**: Faculty members were a considerable force in reforming Pass/ No Record. Do you think they may be a swing vote in this case, and do you plan on attempting to attract some to your cause?

**Possinger**: Yeah, we're definitely trying to get them involved. It can't hurt to have their involvement. They would seem to have more authority over this issue. There have been many problems in the past that have been resolved by the faculty.

[The protests against overtaking] the Dot and the mandatory meal plan have had faculty support and that went a long way because the administrators realized that they did not have support of their peers and colleagues. When they have people that they know, work with, and trust telling them what they should and should not do, that carries a lot of weight.

**TT**: Significant changes to student life have occurred at MIT since 1997. Do you think that your actions here will only delay the inevitable?

**Possinger**: [These changes were] not because of a big commitment or agenda; it was thought to be for the best interest of the students. Our problem was that they ignored student input or they heard about our concerns and thought we were radicals. It's our job to show them we are not and that it's in our and their best interest to keep some of the things as they are.

I don't think these things are inevitable. Although there are a lot of student groups, there are a lot of important decisions made without student input. If we could get that to change somehow, by either changing how students are put on committees or [by] sit-ins in Lobby 10 and show them that we have a good deal of the student body behind us, we can accomplish what we want and they want.

**TT**: Imagine you came back to MIT in 2050. What kind of Institute do you think you would see?

**Possinger**: I'm sure it would remain a world-class institution, I just want to see it as the special place I see it today. I think that one of the best things is just the way that we have the larger MIT community and the smaller communities. Then there are the even smaller communities. One thing I expect to see in such a high-pressure environment is tight-knit groups. That could be a sort of dorm group or people from freshmen advising programs. But these groups have to continue. Otherwise people will begin to have a lot of problems because things won't be able to be the same. If dorm selection, as well as FSILG selection, remain important to our lives, I think that will be the best for everyone.

EUN J. LEE — THE TECH

# Gadget Review

## Duo-DX from Digisette

By Kailas Narendran  
COLUMNIST

In recent years, the majority of the general population has become dependent on computers for a wide range of their audio and visual entertainment needs. Computers are great. However, as they don't fit very well into the tape deck slot of one's dashboard or into one's pocket.

The Duo-DX from Digisette is an innovative device that helps bridge the technological transition for those that missed the entire CD revolution. Imagine a digital cassette tape, and you have the Duo-DX. It is an MP3/WMA player incarnated in the form and interface of a regular cassette tape. In addition to talking to a tape deck, you can also use it as a stand-alone MP3/WMA player via the headphone jack. The device uses a detachable USB cable to connect to your computer for quick and easy file transfer.



The Duo-DX, produced by Digisette, is a portable, tape deck-compatible MP3/WMA player. It can also be used as a stand-alone MP3/WMA player.

### Several models of Duo available

There are multiple models of the Duo player, the DX having 96 Megabytes of on-board memory, with memory expansion slot that lets you hold up to 160 Megabytes.

Another unique feature of the Duo player is that it allows you to record analog audio via the tape deck interface, or via the built in microphone. Unlike a standard audio tape, you can skip songs using the fast forward control of your tape deck, a very nice feature. The device comes with rechargeable batteries that provide about five hours of music playback.

### Player interface user-friendly

I liked the fact that the software and interface of this device are very clean and easy to use. However, you do have to breeze

over the manual to figure out exactly how to interpret the flashes from the single LED on the player. The player comes with a nice carrying case with a belt clip built into it. The headphones are marginal ear buds, so I would suggest you find your own.

The 96-megabyte capacity of the Duo-DX (without expansion) is pretty good. It equates to roughly an hour and a half of high quality MP3s. While that is a good size for the daily commute, the capacity is a bit short for longer hauls like weekend ski trips to New Hampshire.

### Drawbacks of Duo player

While this device is very unique, it really only fills a niche market. If you want a stand-alone MP3/WMA player, this device is a bit larger and possibly pricier than comparable units. In addition, it has no display to tell you what song you're listening too (not that I ever found that very useful).

The benefit appears when you are stuck with a tape deck, which is probably in your car. Until now, the only option was to use the tape deck adapter that changes the interface of your tape deck to a headphone jack. As simple as that solution is, the sound quality is really bad because of the long, unshielded cable carrying low level signals. In addition, I always found it a pain to deal with all the wires, adapters, and junk that accompanies such a setup, so the Duo would come in handy.

Another drawback for this product is the \$200 price tag. As neat as it is, you might be better off just springing for a cheap MP3/WMA compatible CD player for your car (if that's all you want it for). If you need both a portable MP3/WMA player and something that can play your music in your car's tape deck, this might be the device for you. You can find out more at <http://www.digisette.com>.

By Cathy Yao

With his brown eyes, brown hair, and medium stature, most people who meet Alfred F. Ciffo III '06 might think he is just a typical college freshman. However, like most MIT students, there's more to Ciffo than meets the eye.

On Feb. 21, Ciffo left Boston on a flight to New York City to attend the *Teen People* awards and rub elbows with high profile teens like Lil Bow Wow, Serena Williams, and Kirsten Dunst.

Ciffo was selected as one of this year's "20 Teens Who Will Change the World" by *Teen People* for creating Teen Connect, a non-profit organization that pairs teens with senior citizens over the telephone on a weekly basis.

"The award wasn't something I applied for, so I was in a way surprised to receive it," Ciffo said.

### Teen Connect reaches out to elderly

The Hallandale, Fla., native started Teen Connect when he was 14 in 1998. The community service organization first started as a project at his school, and within four years it had grown to over 200 nationwide chapters and an international chapter in Japan. According to Ciffo, the aim of Teen Connect is to "alleviate loneliness and isolation, and basically bridge the intergenerational gap."

The inspiration for the organization came after his grandmother passed away from Alzheimer's disease.

"I was really close to [my grandmother], and we had good telephone contact whenever I didn't have time to see her during the week," Ciffo said. "When she was gone, I knew I'd be missing out on an important contact, and

that other teens and seniors would benefit from a similar interpersonal connection."

By the end of his four years at Pinecrest Preparatory School, Ciffo had put in over 4,000 hours of community service to get the program off the ground. He also wrote a book called *Teen Connect: A Social Service Guide*, made a promotional video, and created a Web site to promote the project.

"I think teens inherently want to make a difference, but they have a lot of other things going on extracurricularly, so community service via telephone is really convenient," Ciffo said.

### Balancing MIT with 'changing the world'

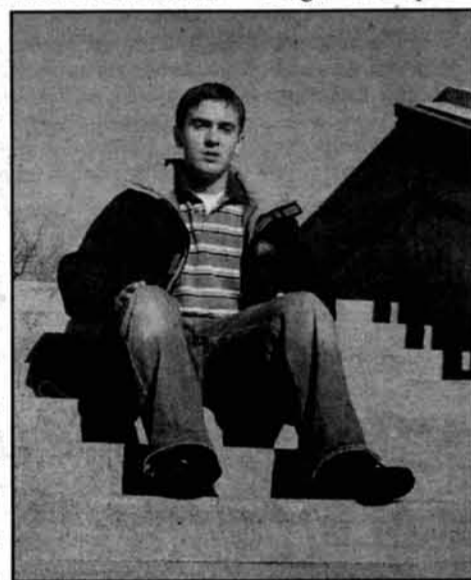
Many might wonder how Ciffo can possibly balance school here at MIT and "changing the world," but he said that "90 percent of the battle is getting out of bed—the rest just happens."

It seems that a lot of things "just happen" to the freshman. Ciffo is involved in Army ROTC, IM tennis, and his fraternity, Sigma Nu. One thought that keeps him motivated is realizing

that "no issue is too small and it's never too late or too early to make a difference."

In his spare time, Ciffo likes to read, listen to music, hang out with friends, work out and sleep. Yao-Chung King '06, a member of Ciffo's pledge class at Sigma Nu, provided a testament to his laid back attitude: "Alfred's a pretty funky guy. His grooves on the dance floor are beyond compare."

Ciffo's next project after his time in the spotlight is to work on the continued expansion of the program to colleges across the nation and internationally, beginning with MIT. He is working to start a new MIT chapter of Teen Connect.



Alfred F. Ciffo III '06 was featured in a *Teen People* article called "Twenty Teens Who Will Change the World."

AMY WU—THE TECH

# Ask SIPB

## STUDENT INFORMATION PROCESSING BOARD

Athena's built-in instant messaging system, Zephyr, is both flexible and powerful. This is the first in a two-part series covering many aspects of Zephyr, from the basics of sending zephyrs to individual users, instances, and classes, to more advanced issues like alternative zephyr clients.

**Question:** How do I send zephyrgrams?

**Answer:** To send a zephyrgram to other users, type:

```
athena% zwrite user1 user2 user3
```

where user1, user2, and user3 are the usernames of the intended recipients. You can add as many (or as few) usernames as you want to the zwrite command. If you zephyr multiple people, and you wish to add a CC line to inform them whom you are zephyring, add the "-C" flag right after the zwrite.

Keep in mind that command line options for zwrite are case-sensitive, so -C is not the same as -c.

Often, before sending, you may want to check if the intended recipient is logged in. To do so, type:

```
athena% zlocate username
```

The hostname of the computer into which the user is logged in will be displayed. If the user is not logged in, zlocate will return "Hidden or not logged-in."

**Question:** What is the .anyone file, and how can I use it with zno1?

**Answer:** The .anyone file is a buddy list. By creating a text file named .anyone in your home directory with a list of Athena usernames (one on each line), you can easily see which of them is logged in. To see who on your .anyone file is logged in, type:

```
athena% xzul &
```

For a more informative, non-refreshing display, type:

```
athena% zno1
```

After issuing zno1, you will receive zephyrgrams when people in your .anyone file log in or log out, if they have set their exposure appropriately. If you wish for this to happen automatically upon logging in, append zno1 to the end of the .startup.X and/or .startup.tty files in your home directory. (You may have to create the files if they don't exist already.)

**Question:** What are Zephyr classes and instances?

**Answer:** Zephyr classes and instances allow groups of people to have conversations via Zephyr. Zephyr classes are slightly more private than instances, since you must know the name of a Zephyr class to be able to subscribe to it. Zephyr classes have sub-channels within them called instances. (Although the terms "class" and "instance" come from object-oriented com-

puter programming, their meanings are different in the context of Zephyr.)

When someone talks about a Zephyr instance they usually mean an instance of the default Zephyr class called MESSAGE. Zephyrgrams sent without an explicit class are sent to class MESSAGE. Zephyrgrams sent to class MESSAGE are not private at all. Many people subscribe to the entirety of class MESSAGE.

Also, all zephyrgrams to class MESSAGE are logged in the zlog locker. Instances of class MESSAGE are good for public discussions that are of interest to many people. For more private conversations amongst a group of friends, explicitly stating a Zephyr class other than MESSAGE is probably preferable.

A Zephyr class exists as long as at least one person is subscribed to it, so if you want to use a new Zephyr class to talk with a group of friends, just come up with a name, and make sure you and your friends are subscribed to that class.

There are three parameters of a zephyrgram that will control who will get it: its class, its instance, and its recipient. When you send a zephyrgram to a friend, using zwrite username, the class is MESSAGE, the instance is PERSONAL, and the recipient is username. These parameters can be changed to allow conversations amongst a group of people via zephyrgrams. What people call a Zephyr class refers to altering the class parameter to be something other than MESSAGE. What people call a Zephyr instance, or public instance, refers to changing the instance parameter to something other than PERSONAL, while still within the class MESSAGE.

**Question:** How do I send zephyrgrams to a class or instance?

**Answer:**

```
athena% zwrite -i instancename
```

changes the instance you are sending to from PERSONAL to instancename, and by default sends to the class MESSAGE and the recipient \* (that is, everyone subscribed to the instance). For example, zwrite -i help would send a zephyrgram to the instance help, and anyone who had subscribed to the help instance would receive the zephyrgram.

```
athena% zwrite -c classname
```

sends a zephyrgram to class classname instead of class MESSAGE. By default, it will send to the instance PERSONAL within class classname, and to the recipient \*. The asterisk means that everyone subscribed to that class would receive the zephyrgram.

```
athena% zwrite -c classname -i instancename
```

sends a zephyrgram to an instance instancename within the class classname.

Capitalization does not matter in the names of Zephyr classes and instances. For example, zwrite -i white-magic is the same as zwrite -i WHITE-MAGIC, which is the same as zwrite -i Whlte-MAGiC, etc. Anyone subscribed to the instance white-magic will receive zephyrgrams sent with any of these capitalizations.

**Question:** What are common Zephyr classes and instances?

**Answer:** Examples of some Zephyr instances include white-magic (random discussion), war, war.d (discussion of events mentioned on war), and help. Common Zephyr classes include help (for general questions), geek (discussions about geek toys like computers), and greed (discussions about money and finance).

When zephyring to classes, it is customary to also use an instance name to specify the subject, e.g.:

```
athena% zwrite -c help -i motorcycles
```

**Question:** How do I subscribe to and unsubscribe from a Zephyr class?

**Answer:** To temporarily subscribe to a Zephyr class for just your current Athena session, type:

```
athena% zctl sub class_name \* \*
```

To subscribe to a Zephyr class for current and future Athena sessions, type:

```
athena% zctl add class_name \* \*
```

To temporarily unsubscribe from a Zephyr class, type:

```
athena% zctl unsub class_name \* \*
```

To unsubscribe from a Zephyr class for current and future Athena sessions, type:

```
athena% zctl del class_name \* \*
```

To subscribe to or unsubscribe from an Zephyr instance, you should use class MESSAGE, and the name of the instance in place of the first \\*. For example, to subscribe to white-magic

```
athena% zctl add MESSAGE white-magic \*
```

To stop receiving Zephyrgrams completely for the current Athena session, use the command

```
athena% zctl wg_exit
```

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

# THE ARTS

**CD REVIEW**

## One Bass Player, Please

*Ray Brown's Last Recording is a Tuneful Slice*

By Allison C. Lewis  
ARTS EDITOR

Ray Brown, Monty Alexander, Russell Malone  
Ray Brown  
Telarc

**R**ay Brown, Monty Alexander, Russell Malone is Ray Brown's final statement, his last recording, made in New York City in March of 2002.

He's got this cool little jazz trio thing going: Ray Brown on bass, Monty Alexander on piano, and Russell Malone on guitar. The three play well together; like they're playing one instrument — a piano-bass-guitar — and it's a pretty big instrument. They make a huge sound for three little old guys. It's enough to fill a room, a big room, an auditorium, and maybe even have some leftovers.

It's mostly simple tunes and old favorites: "Fly Me to the Moon" and "Honeysuckle Rose," for instance — songs that are light, yet beautiful and emotional. This music is good for me. I can think to it. It's a good remedy for writer's block. My imagination isn't so blank anymore; suddenly, it's going, like, a hundred miles an hour, and my fingers can't keep up on the keyboard.

The music is smooth, like the kinks have been worked out in the studio, and I wonder, does it sound this good on stage? These tunes are more or less simple, and the musicians are amazing. I take it for granted they know how to play the stage, and would I would love to hear this recording played live. But, just playing this CD in my dorm room is great. It adds a little life to the stillness.

This music really has life — a kind of movement and personality that's important in jazz and important in music in general. Otherwise, why would we listen? It begins, slowly and sweetly, and it picks up excitement. All at once, it's calm and upbeat, soothing and thrilling.

On piano, Monty Alexander plays one song delicately, with soft fingers, then, for the next song, he jabs and races. He plays confidently, effortlessly, like he knows he's

good but he doesn't try too hard to steal the show. He's just as content being the piano player — the efficient beat-backer. But, listen closely, he throws in a few surprises.

And Russell Malone on guitar is dark and quietly beautiful. He plays like he could be Clapton, but he knows his own thing is better. He makes the guitar speak for him. On his solos, he really takes command, not loudly, or in-your-face, but laid-back, like a king just sitting and smoking.

Of course, Ray Brown is a real delight, plucking away and being one hardcore bass dude. Brown does more than mark and punctuate the beat. He lets loose just a little, giving way to subtle improvisations — just enough to give these jazz standards an edge and some flavor.

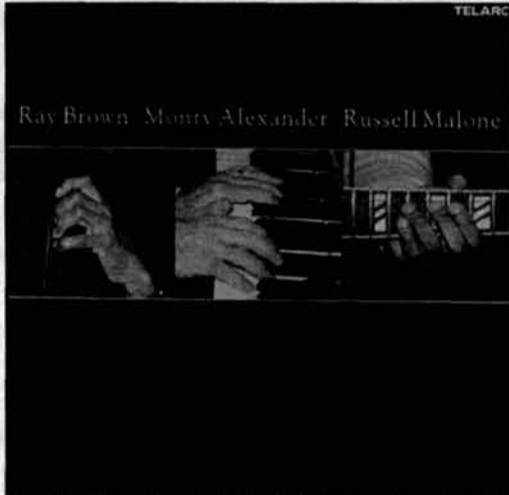
An added bonus is the limited edition CD, *Producer's Choice*, that comes with it. It's a collection of Ray Brown's "best" recordings chosen by his producer, Elaine Martone. It's a cute little collection — not the best jazz I've heard, but well worth the listen. My only complaint is that it ends with "Mysterioso," this crazy, choppy-sounding piece that's more like a chordal piano exercise than anything else.

But overall, *Producer's Choice* is good, groovy jazz.

Ray Brown, Monty Alexander, Russell Malone is fun, great to listen to, and perfect for setting a mood. It's not the most violent, intelligent, or forward-thinking music. It's simple and really understated. That's the way these guys play, and it works just perfectly. It sets a whistling, walking mood and makes you happy. It's all you need to smile.

Some people in jazz think the crazier the better: the more weird improvisations and atonal chords, the more cacophonous noises, the better the music. Sometimes this works; sometimes I'm in the mood for it. Not always. Personally, I'd be content with Ray Brown always. He could be, like, my steady-state of background music, what I'm always humming and singing in my head.

Admit it — everybody loves bass players. Everybody wants a bass player to call his own. Make Ray Brown yours.



Bassist Ray Brown's final album provides a fitting end to a monumental career.

**CLASSICAL REVIEW**

## From Bland to Sublime

*Mixed Performance from Boston Baroque*

By Jonathan Richmond  
ADVISORY BOARD

Boston Baroque  
Martin Pearlman, conductor  
John Gibbons, fortepiano  
Jordan Hall  
Feb. 27 and Mar. 1, 8 p.m.

**B**oston Baroque's period instruments proved to be real winners in Beethoven's Second Symphony last night. The immediate nature of their sound heightened the drama, while the lack of resonance — typical of the instruments Beethoven would have known — allowed instrumental voices to display character, an advantage fully exploited by the players under Martin Pearlman's direction.

The symphony opened with grandeur, the strings majestically shaped and attacking with bite. Wind playing was especially striking in the *Larghetto*, the lower winds exhibiting a brooding quality and providing a richness of experience that came from the perception of their individual sounds blending together in heavenly harmony. The vibratoless strings played with beguiling lyricism, illuminated by cool wind colors rising to prominence and sinking back into ensemble with grace and naturalness. The question and answer session of winds and strings alternating in their delivery of the musical message like two philosophy students — who might also be lovers — striving for consensus, was ravishing.

Waves of sound built excitingly in the third movement, while the concluding *Allegro molto* exposed qualities of shadow and light en route to a triumphant conclusion.

So ended the concert with Martin Pearlman's orchestra really into its element. Alas,

the two pieces that came before made for less happy listening. Beethoven's First Symphony was given a genial performance, but one which failed to hold together. The tempi were unusually relaxed for a period instruments performance. Modern strings can help keep the ensemble together with their resonance and vibrato when the conductor goes off in a daydream, but the early instruments are far more exposed, and it showed last night. The second movement proved particularly problematic because of its lack of energy. Discipline and inventiveness were lacking from this normally articulate band.

Mozart's D Minor Piano Concerto concluded the first part of the evening, with mixed results. I found the first and last movements on the bland side. This was polite musicmaking, with soloist John Gibbons providing workmanlike playing that rarely went below the surface and the orchestra failing to find the revelation that Mozart offers the seeker in almost every measure.

The *Romanze* came across best because soloist and ensemble displayed their most involved relationship. Gibbons' simple and to-the-point approach proved piquant here, especially when met with sympathetic and at times sublime orchestral responses. As with so much in Mozart, there is more than one path to truth. Gibbons played with the innocence of Mozart's playful operatic characters, Cherubino and Papageno, and at times found a delight that can escape more introspective performers. It is a shame that the concerto concluded on a dull note, even if any disappointment was more than eclipsed by the wonders of the Beethoven with which Pearlman brought the evening to an end.

There is a repeat performance tomorrow night.

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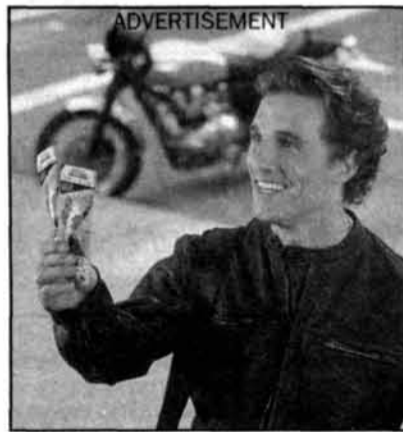


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Leah Premo '04 (left) and Emily Vincent '04 perform "It's Raining Men" with the rest of the Chorallaries during their competition preview concert Wednesday night in 6-120. The Chorallaries will be competing in the International Championship of Collegiate A Capella quarterfinals this Saturday at Elms College.



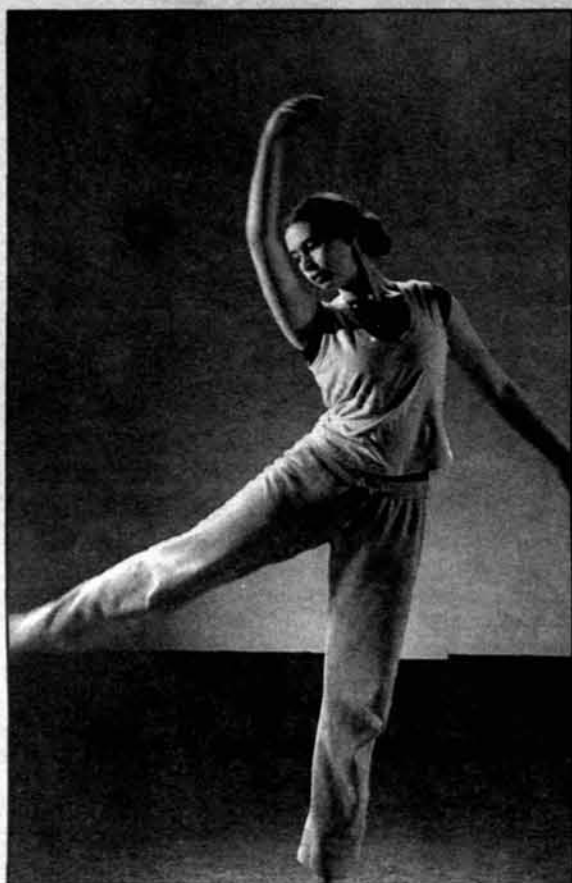
JOHN CLIFFORD—PARAMOUNT PICTURES

"You mean I could have been on the phone with Matthew McConaughey last week? He's so dreamy!"

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## A 'Breakthrough' in Dance



"Breakthrough," the debut performance of the Kinaesthetics Lab, runs tonight in Kresge Little Theatre at 8 p.m. Clockwise from top left:

Yael Marshall '05 dances in a piece called "Array."

Mara Daniel '04 (right) and Rebecca Lipon '03 dance in "Array."

Irit Rappley '04 (right) and Yael Marshall '05 perform in "Theme and Variations."

Jessica Mary Donnelly G performs a belly dance entitled "Aman!"

Photography by Dong Wang



### EAT THIS

## Letters from the Riviera

### Part II: You Say Pesto, I Say Pistou

By Winnie Yang

STAFF WRITER

Perhaps the best part of traveling through the Riviera (besides the markets) is the delectable pasta with pesto, which can be found everywhere from Nice (where it is called *pâtes au pistou*) to Genoa, the city with which pesto is synonymous, as well as points beyond the Ligurian coast.

In pesto's homeland, this raw sauce accompanies specific pastas, primarily *taglierini*, a thinner relative of the flat *tagliatelli*, or "ribbon" pasta; *trenette* (the Genoese linguine); *trofie* (see below); *gnocchi*; and versions of lasagna. According to an old tradition, the pasta (particularly *trenette* and *trofie*) is sometimes tossed with string beans and boiled potato as well.

Pesto is also stirred into minestrone, a soup chock full of vegetables that bears little resemblance to the Campbell's variety, or the unpalatable sort that proliferates at lunch counters Stateside — generally insipid, usually unmemorable, and always sans pesto. (The Niçois version of minestrone is called, appropriately, "*soupe au pistou*.")

I often find little tubs of "pesto sauce" in my shared fridge, nestled cozily next to packaged tortellini, but this, I assure you, can hardly be compared with the Genoese archetype. A heady, almost floral concoction with pungency that perfectly mantles a dish of pasta or

broth, the genuine article is best consumed within a couple days of preparation while the basil still retains its flavor.

Like all other culinary traditions (and especially Italian ones), camps are formed and lines are drawn when it comes to the actual contents of the sauce. Pesto is generally a combination of basil, garlic, pine nuts (sometimes walnuts or even both, depending on the cook), olive oil, salt, and Parmigiano-Reggiano (sometimes with the addition or substitution of pecorino Sardo, a sheep's-milk cheese from Sardinia), all bashed up into a creamy

paste in a mortar. Cheese is sometimes omitted when the pesto is destined for soup.

I had some excellent *trofie al pesto* at the Antica Osteria vico Palla in Genoa, a convivial little eatery just adjacent to the port. *Trofie* is a kind of Ligurian *gnocchi*, a simple flour-and-water pasta sometimes made with chestnut flour (and never with potato) that is hand-rolled into small, spiraled, spindle shapes. In Nice, the restaurant La Merenda in the Vielle Ville serves a *pâtes au pistou* that was (almost) too good to eat. Both dishes left me with a serious longing for the stuff long after I returned home.

Luckily, pesto is really easy to make, however one chooses to do it. While I would normally insist on the traditional mortar-and-pestle method, I realize how ridiculous a stipulation this is (especially when even I am reluctant to haul a 20-pound mortar home). The process of crushing all the ingredients by hand reputedly yields a superior sauce, but a blender works well enough. It is, however, critical to use good cheese — real Parmigiano-Reggiano is best, but Grana Padano or a good pecorino would also work.

Though you can certainly use dried pasta, I prefer my pesto with the fresh stuff, which is also quite easy to make (especially with a pasta machine). Lately, I've been relying on Thomas Keller's recipe from *The French Laundry Cookbook*, which yields a wonderful, delicate, eggy pasta. But making pasta is a whole 'nother story.

### Pesto Genovese

(Adapted from Colman Andrews' *Flavors of the Riviera*)

1 garlic clove, finely chopped  
3 tablespoons pine nuts  
2 tightly packed cups basil leaves (smallest and youngest leaves, stems removed)  
1 cup Parmigiano-Reggiano (and/or similar cheese, as noted), grated  
1/2 cup extra-virgin olive oil  
coarse salt (kosher or sea salt)

Throw garlic, pine nuts, basil, cheese, and half the oil into blender or food processor. Process on high speed, stopping occasionally to scrape down sides, adding remaining oil gradually. Once a creamy consistency is achieved, add salt to taste.

To serve, thin the pesto with pasta water until the desired consistency is obtained; toss pasta with sauce. Mangia.

Note: it is important to be vigilant about removing basil stems and using younger leaves, as both the larger leaves and stems will impart bitterness to the sauce.

# Clubs

**Axis**  
13 Lansdowne St., 617-262-2437  
Sundays: See Avalon below.  
Mondays: *Static*. Gay, casual dress. \$5, 18+.  
Thursdays: *Chrome/Skybar*. Progressive house, soul, disco; dress code \$10, 19+; \$8, 21+.  
Fridays: *Avalandx*, with Avalon.  
Saturdays: *X-night* (rock, alternative, techno, hip-hop) downstairs and *Move* (techno) upstairs.

**Avalon**  
15 Lansdowne St., 617-262-2424  
Sundays: *Gay Night* (with Axis on long weekends). Featuring hardcore house and techno. \$10, 21+.  
Thursdays: *International Night*. Eurohouse. \$10, 19+.  
Fridays: *Avalandx*, with Axis. House. \$15, 19+.  
Saturdays: *Downtown*. Modern house, club classics, and Top 40 hits. \$15, 21+.

**Karma Club**  
9 Lansdowne St., 617-421-9595  
Sundays: "Current dance favorites" by guest DJs. Cover varies.  
Tuesdays: *Phatt Tuesdays*. With Bill's Bar, modern dance music. \$10.  
Wednesdays: *STP*. Gay-friendly, house. \$15, 21+.  
Thursdays: *Groove Factor*. House.  
Fridays: *Spin cycle*. Prog. house. 19+.  
Saturdays: *Elements of Life*. International House. \$15.

**ManRay**  
21 Brookline St., Cambridge, 617-864-0400  
Wednesdays: *Curses*. Goth. Appropriate dress required. \$5, 19+; \$3, 21+.  
Thursdays: *Campus*. Popular tunes, House. Gay, casual dress. \$10, 19+; \$8, 21+.  
Fridays: *Fantasy Factory* (First and third Friday of the month. Features kinky fetishes and industrial music.) *Hell Night* (every second Friday.) 19+. Includes Goth music. *Ooze* (the last Friday of the month.) \$10, 21+. Reduced prices for those wearing fetish gear.  
Saturdays: *Liquid*. Disco/house and New Wave. \$15, 19+; \$10, 21+.

# Popular Music

**Axis**  
13 Lansdowne St., Boston, MA. 617-262-2437  
Mar. 2: Killswitch Engaged  
Mar. 5: Trapt  
Mar. 7: Big Daddy Kane  
Mar. 13: CKY  
Mar. 18: The movielife  
Mar. 21: Hot Rod Circuit  
Mar. 29: Hot Rod Circuit  
Apr. 12: Slightly Stoopid  
Apr. 19: Ben Kweller  
Apr. 26: Throne

**Avalon**  
15 Lansdowne St., Boston, MA. 617-262-2424  
Mar. 1: Toad the Wet Sprocket  
Mar. 3-4: Audioslave  
Mar. 6: Interpol  
Mar. 7: Sum 41  
Mar. 9: Saliva, Hed (pe), Breaking Benjamin, Systematic  
Mar. 14-17: Dropkick Murphys  
Apr. 5: They Might Be Giants

**Berklee Performance Center**  
Berklee College of Music, 1140 Boylston St., Boston, MA.  
Free student recitals and faculty concerts, 4 p.m. and 7 p.m. some weekdays. For info on these concerts, call the Performance Information Line at 617-266-2261.

Mar. 15-16: Sigur Ros  
**Club Passim**  
47 Palmer St., Cambridge, MA. 617-492-7679  
Tuesdays: *Open Mic* at 8 p.m. (sign up at 7:30). \$5. See <http://www.clubpassim.com> for complete schedule

Feb. 28: Katryna & Nerissa Nields, Felix McTeigue

## FleetCenter

# On The Town

A weekly guide to the arts in Boston  
February 28 - March 6  
Compiled by Devdoot Majumdar

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



GIRLIE ACTION PR

**Rilo Kiley, an uplifting indie pop band from Los Angeles, comes to TT The Bear's with The Good Life, The Prom, and The Mayday next Monday night for \$10.**

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Mar. 4: Bon Jovi, Goo Goo Dolls  
Apr. 1: Tim McGraw

**The Middle East**  
Central Square, 617-354-8238  
Ticketmaster: 617-931-2787.  
Venue has two floors. *Upstairs (U)*, *Downstairs (D)*  
<http://www.mideastclub.com>

Feb. 28: Sex Mob, Beat Science, Dresden Dolls  
Mar. 1: Lustra, Causeway  
Mar. 2: DJ Krush, Seishi  
Mar. 4: The Dubnicks, Roxie  
Mar. 5: Plain White T's  
Mar. 6: Redshift 6

**Orpheum Theatre**  
1 Hamilton Pl., Boston, MA. 617-679-0810

Mar. 3: Hall & Oates  
Mar. 8: King Crimson  
Mar. 9: Scorpions, Whitesnake  
Mar. 27: Zwan  
Mar. 29: Susan Tedeschi  
Apr. 13: Dave Chapelle  
Apr. 15: Widespread Panic  
Apr. 19: Ellen Degeneres

**Paradise Rock Club**  
967 Commonwealth Ave., Boston, MA. 617-562-8804

Feb. 28: Robert Randolph  
Mar. 2: Gang Green  
Mar. 4: Supergrass  
Mar. 5: Idlewild  
Mar. 7: The Frames, Josh Ritter  
Mar. 8: The Sheila Divine  
Mar. 9: John Parish  
Mar. 12: Mason Jennings  
Mar. 14: Reid Genauer  
Mar. 15: Hybrasil

Mar. 16: Royksopp  
Mar. 20: The Streets  
Mar. 21: Calexico  
Mar. 23: The Soundtrack of our Lives  
Mar. 27: Edwin McCain  
Mar. 29: Particle  
Apr. 3: Percy Hill  
Apr. 4: Joe Jackson Band  
Apr. 16: Groove Armada  
Apr. 24: Adult  
May 16: Steve Malkmus

**Tsongas Arena**  
300 Arcand Dr., Lowell, MA. 978-848-6900.

May 15-16: Avril Lavigne

**TT The Bear's**  
10 Brookline St., Cambridge, MA. 617-931-2000.  
<http://www.ttthebears.com>

Feb. 28: Aaron Perrino  
Mar. 1: Apollo Sunshine  
Mar. 2: Carrigan, Kathleen Edwards  
Mar. 3: Rilo Kiley  
Mar. 4: Paula Kelley  
Mar. 5: Tegan & Sara  
Mar. 6: AnimalRescue  
Mar. 7: Black 47  
Mar. 8: John Doe Trio

**Worcester's Centrum Centre**  
50 Foster St., Worcester, MA. 508-755-6800  
<http://www.centrumcentre.com>

May 2: Cher, Dom Irrera  
Jun. 13: Bill Gaither Homecoming

# Jazz

## Regattabar

1 Bennett St., Cambridge, MA. 617-662-5000, <http://www.regattabar.com> Usually two shows nightly, call for details.

Feb. 28: Jose De Santos Flamenco Trio  
Mar. 1: The Bruce Gertz Quintet  
Mar. 4: Either/Orchestra  
Mar. 5: Igor Butman  
Mar. 6: Tony Perez  
Mar. 7-8: Charles Mingus Big Band  
Mar. 9: Milton Academy Jazz band  
Mar. 11: Garrison Fewell Trio  
Mar. 12: Paul Im and Remember Rockefeller  
Mar. 13-15: Christian McBride

**Ryles Jazz Club**  
212 Hampshire St., Cambridge, MA. 617-876-9330  
Venue has two floors. *Upstairs (U)*, *Downstairs (D)*  
<http://rylesjazz.com>

Feb. 28: Ken Clark Organ Trio  
Mar. 1: Megawatt Blues Crushers  
Mar. 4: John Payne Sax Choir  
Mar. 5: Dead Cat Bounce  
Mar. 6: Temporada Latina  
Mar. 7: Louie Bellson  
Mar. 12: Patricia Vlieg  
Mar. 13: Marta Gomez CD Release  
Mar. 14: Steve Rochinski Group  
Mar. 15: Herman Johnson  
Mar. 19: Shimon Ben-Shir Group  
Mar. 20: Black Sea Salsa Band  
Mar. 21: Eguie Castrillo Group  
Mar. 22: Teresa Ines Group  
Mar. 25: Sara Leib Jazz Quartet  
Mar. 25: Yoko Miwa Trio  
Mar. 26: Bobby Hutcherson

**Scullers Jazz Club**  
DoubleTree Guest Suites, 400 Soldiers Field Rd., Boston, 617-562-4111. <http://www.scullers-jazz.com>. Call for schedule.

Feb. 28-Mar. 1: Marian McPartland Trio  
Mar. 4: Shelley Neil  
Mar. 5: Sai Ghose  
Mar. 6: The Nicole Nelson Band  
Mar. 7-8: Keiko Matsui  
Mar. 12: La timba Loca  
Mar. 13-15: Abbey Lincoln  
Mar. 19: Melissa Walker, Stefon Harris  
Mar. 20: Stanley Jordan  
Mar. 21-22: TS Monk, Jr. Sextet

# Classical Music

**Boston Symphony Orchestra**  
Tickets: 617-266-1492.  
Performances at Symphony Hall, 301 Massachusetts Ave., Boston, unless otherwise noted. Student rush tickets, if available, can be obtained at 5 p.m. on the day of the concert (one ticket per person).  
<http://www.bso.org>

Bernard Haitnik leads the BSO in Mozart's *Symphony No. 35 "Haffner"*, Mozart's *Ch'io mi scordi di te...Non temer amato bene*, and Mahler's *Symphony No. 4*. Performances on Feb. 27 (8 p.m.), Feb. 28 (8 p.m.), Mar. 1 (8 p.m.), and Mar. 4 (8 p.m.).

**FleetBoston Celebrity Series**  
20 Park Plaza, Suite 1032, Boston, MA 02116. 617-482-2595. Venues vary by concert, consult Web site for further details, <http://www.celebrityseries.org>

Feb. 28: Vienna Philharmonic  
Mar. 2: Tokyo String Quartet

- Mar. 3: Ellis Marsalis & Sons
- Mar. 8-9: Boston Marquee, Boston Musica Viva: "Chitra"
- Mar. 11: Kudo
- Mar. 12: The Chieftains
- Mar. 13: Mark Morris Dance Grp
- Mar. 15: Boston Marquee, Margaret Lattimore
- Mar. 21: Brandenburg Ensemble
- Mar. 22: William Bolcom

# Theater

## Comedy Connection

Mon.-Wed. at 8 p.m.; Thurs. 8:30 p.m.; Fri. and Sat. 8 p.m., 10:15 p.m.; Sun. 7 p.m. The oldest comedy club in Boston. At 245 Quincy Market Place, Faneuil Hall, Upper Rotunda, Boston. Admission \$8-20. Call 617-248-9700 or visit <http://www.comedyconnection-boston.com>.

- Feb. 28 - Mar. 3: John Witherpoon
- Mar. 7: John Valby
- Mar. 21-23: Dane Cook
- Mar. 29 - 30: Brian Regan

# Exhibits

## Isabella Stewart Gardner Museum

280 The Fenway, Boston. (617-566-1401), Tues.-Sun. 11 a.m.-5 p.m. Admission \$10 (\$11 on weekends), \$7 for seniors, \$5 for students with ID (\$3 on Wed.), free for children under 18. The museum, built in the style of a 15th-century Venetian palace, houses more than 2,500 art objects, with emphasis on Italian Renaissance and 17th-century Dutch works. Among the highlights are works by Rembrandt, Botticelli, Raphael, Titian, and Whistler. Guided tours given Fridays at 2:30 p.m.

## Museum of Fine Arts

465 Huntington Ave., Boston. (617-267-9300), Mon.-Tues., 10 a.m.-4:45 p.m.; Wed., 10 a.m.-9:45 p.m.; Thurs.-Fri., 10 a.m.-5 p.m.; Sat.-Sun., 10 a.m.-5:45 p.m. West Wing open Thurs.-Fri. until 9:45 p.m. Admission free with MIT ID.

Currently on exhibit until Oct. 20 is "Jasper Johns to Jeff Koons: Four Decades of Art from the Broad Collections," an exploration of contemporary artists ranging from those named above to Warhol to Lichtenstein.

## Museum of Science

Science Park, Boston. (617-723-2500), Daily, 9 a.m.-5 p.m.; Fri., 9 a.m.-9 p.m.; Sat.-Sun., 9 a.m.-5 p.m. Admission free with MIT ID, otherwise \$9, \$7 for children 3-14 and seniors. The Museum features the theater of electricity (with indoor thunder-and-lightning shows daily) and more than 600 hands-on exhibits. Admission to Omni, laser, and planetarium shows is \$7.50, \$5.50 for children and seniors.

# Other

## Harvard Film Archive

465 Huntington Ave., Boston. (617-267-9300), Mon.-Tues., 10 a.m.-4:45 p.m.; check <http://www.harvardfilmarchive.org> for more details.

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# Instant Runoff Voting Lets Voters Rank Candidates

Voting, from Page 1

Henderson said that much of complexity was in the background, and that all voters had to do was rank candidates.

Another audience member, Robert Ritter, who identified himself as a Cambridge election official, said that because instant runoff voting does not require voters to rank all candidates, it does not guarantee that a candidate can win a majority. Vickery, who has worked on instant runoff legislation, said he was trying to create a system that would work as well as possible.

## Voting reform meets obstacles

One potential stumbling block is the Fourteenth Amendment to the Massachusetts Constitution, Vickery said. The amendment, dating to the 1850s, states that candidates must win a plurality of the votes in an election. Vickery said that he did not think the instant runoff voting actually violated this

requirement.

Any changes in voting in Massachusetts will have to come at the state level. Wolf has filed one bill (Docket #1304) which covers all state executive offices and U.S. Congressional offices for primaries and general elections. Representative Ellen Story is sponsoring two bills, H2784 and H2785, that cover state elections in general and primary elections respectively.

Several speakers said that instant runoff voting worked for executive offices, whereas proportional representation systems worked better for legislative offices.

The Cambridge City Council uses a form of proportional representation in its elections, though unlike its incarnations in England and elsewhere the system is not based on political parties.

The Undergraduate Association uses the instant runoff system, also known as plurality-plus-elimination, in its elections.

## Arrow's Theorem Proves No Voting System is Perfect

One of the central issues in the theory of voting is described by Arrow's Impossibility Theorem, which states roughly that no reasonably consistent and fair voting system can result in sensible results.

Named after Nobel Prize-winning economist Kenneth Arrow, the theorem starts by establishing a set of reasonable conditions on voting — that is, on the method of aggregating individuals' preferences into group preferences.

These conditions can lead to nonsensical group decisions, or manifestly undemocratic decision-making. As political scientists Ken Shepsle and Mark Bonchek put it in their book, *Analyzing Politics*, "The group is either dominated by a single distinguished member or has intransitive preferences." For this reason, the theorem is sometimes known as the "dictator theorem."

Understanding Arrow's Theorem starts with understanding what economists and political scientists mean by "intransitive preferences."

Preferences are known as "transitive" if they can be put in a sensible order. For instance, if you like apples best, then oranges, then bananas least, that means you prefer apples to oranges and to bananas, and oranges to bananas. If instead your fruit preferences cannot be put in best-to-least order — you prefer apples to oranges and oranges to bananas, but prefer bananas to apples — your preferences are known as "cyclic" or "intransitive."

Arrow was trying to create a voting system that was consistent, fair, and would lead to transitive group preferences over more than two options. But in trying to create such a voting system, he proved that this was impossible.

The conditions Arrow put on a consistent and fair voting system can be expressed as the following:

1. Each voter can have any set of rational preferences. This requirement is called "universal admissibility."
2. If every voter prefers choice A to choice B, then the group prefers A to B. This is sometimes called the "unanimity" condition.
3. If every voter prefers A to B, then any change in preferences that does not affect this relationship must not affect the group preference for A over B. For example, if a set of historians unanimously decides that Abraham Lincoln was a better president than Chester A. Arthur, a changing opinion of Bill Clinton should not affect this decision. This more subtle requirement is called "independence from irrelevant alternatives."
4. There are no dictators.

Arrow's Theorem states that, when choosing

between more than two options, it is impossible in general to implement these four conditions without creating cycling group preferences. More dramatically, demanding transitive group preferences and the first three conditions implies there will be a dictatorship.

The formal proof is a tedious proof-by-contradiction, but it is easy to illustrate the problems with a common system, plurality voting.

In the plurality method, individuals vote only for their favorite candidate, and the candidate with the most votes wins. The trouble is, the winner might have fewer than fifty-percent of the vote.

Consider the 1992 U.S. presidential election. Clinton won the election with about 43 percent of the popular vote. George H.W. Bush had about 38 percent of the vote, and Ross Perot had about 19 percent.

Now, for the sake of argument, suppose that all Perot voters would have picked Bush if Perot had not run for reelection. Then, by 57 to 43 percent, Bush would have won the election. Roughly speaking, this result violates the independence from irrelevant alternatives condition.

Similar problems exist in all other voting systems, so political scientists and others have worked to figure out which conditions might reasonably be relaxed in order to create a sensible voting procedure. Many researchers consider the unanimity and no-dictator conditions sacrosanct, so attention has focused on irrelevant alternatives and, more importantly, on how often a particular system runs into problems.

Plurality, for example, does not lead to intransitive preferences as often as one might think. Shepsle and Bonchek calculated that, in a three-voter, three-candidate election, only 12 preference arrangements out of 216 possible arrangements led to intransitive group preferences.

Some argue that other voting systems are less prone to problems like those arguably experienced in the 1992 presidential election. Instant runoff voting and Cambridge's version of proportional representation eliminate low-ranked candidates (like Perot) and redistribute votes among remaining candidates.

The Borda count system, used in some sports ranking schemes, also asks voters to rank candidates. Instead of elimination, points are assigned according to rankings, and these are used to determine a winner.

Each method has advantages, but each is guaranteed to have the disadvantages — the sometimes-paradoxical results — required by Arrow's Theorem. The practical question for policy makers and voters is which system manages to run in to its problems least often.

—Nathan Collins

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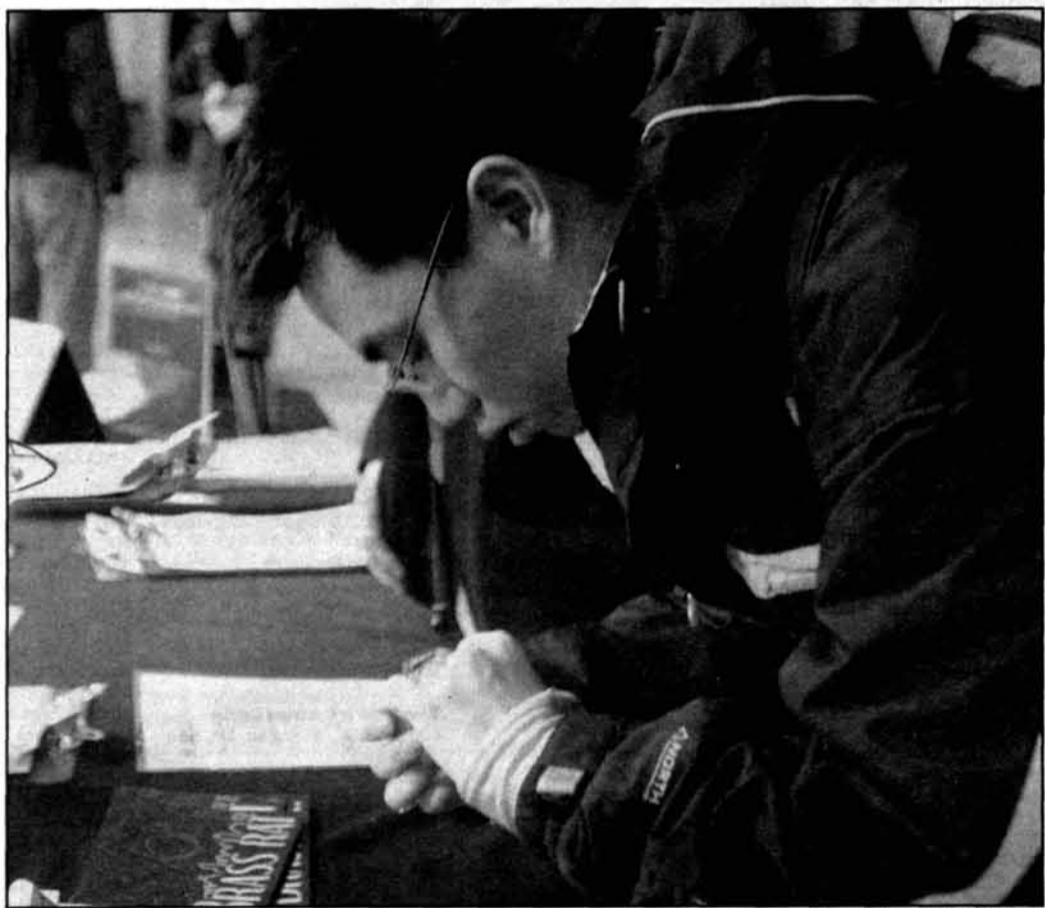
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# UAP Candidates Debate Past Performance, SEVIS

Debate, from Page 1

Uzamere said that "an online goals checklist" would form a centerpiece of his administration, where he would list goals that he planned to accomplish and update students on their status.

## Student life issues addressed

Deora and Williams discussed the importance of balancing academic and extra-curricular life.

"MIT has always had a mindset for a high standard of education, but a high quality of life is needed in addition to that," Deora said.

Deora added that time management training, in the form of option-

al for-credit seminars, would be an effective way to help students balance their time.

Uzamere expressed concerns about the fragmentation of the student body.

"We have seen the splintering off of communities, forming strong sub communities," Uzamere said. "A cultural group coalition would bring these groups together."

Gottlieb and Keller said allowing students to have MIT Card guest lists in dormitories would improve campus security.

"Some people just tail others to get in, and it is unsafe," Keller said. She suggested that each student have a guest list of people he

wanted to have access to his dormitory.

All three tickets said that they would work on expanding dining options, including working to put more off-campus restaurants on the MIT Card. Deora and Williams further stressed expanding dining options on East Campus.

## SEVIS an issue of contention

In one segment of the debate, Gottlieb and Faber discussed MIT's participation in the Immigration and Naturalization Service's Student and Exchange Visitor Information System, known as SEVIS.

Uzamere, Faber's running mate, has started an Undergraduate Asso-

ciation committee to serve as a "watchdog" to monitor MIT's participation in SEVIS.

Gottlieb had opposed the committee's creation, arguing that it was unnecessary as MIT has already promised to report only the minimum amount of information required by law.

"MIT tends to take a liberal stance in its policies, deciding to provide minimal information for SEVIS," Gottlieb said.

"Do you really think there is a risk from international students?" Faber asked.

"Some of the people involved in the Sept. 11 attacks had student visas," Gottlieb said.

Deora questioned Faber about his Web site.

"Your 'Rant and Rave' plan has been there for a year and has only 68 people involved; how would you get more participation?" Deora asked.

Faber said that he would heavier advertising to alert more students to the site's existence. For example, he suggested posting flyers in the Infinite Corridor.

Voting in the election begins Thursday, March 6. The results will be announced March 12. Full platforms for each ticket can be found on the UA Elections Web site, at <http://web.mit.edu/ua/elections/Spring03/candidates/>.

Easter 1987, Age 5



Easter 1988, Age 6



Easter 1989, Age 7



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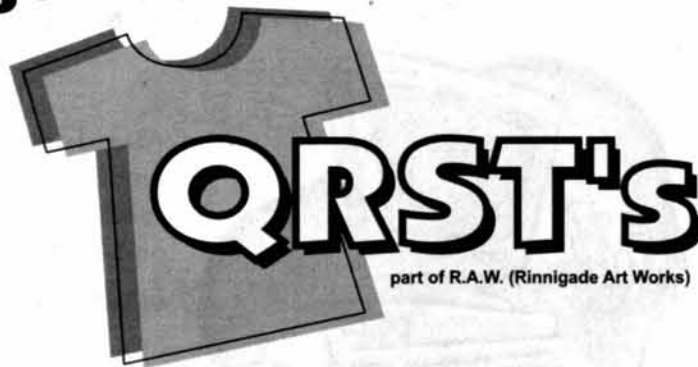
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# Next Thursday Last Community Briefing

Community, from Page 1

emergency preparedness. The committee has not yet provided a forum for MIT faculty, students, and staff to discuss issues that may affect the community, such as affirmative action.

"You're a step ahead of us," Kolenbrander said. He said the committee began as an attempt to deal with the threat a war in Iraq may pose to the MIT community, but it has found these issues are relevant more broadly.

Similar sentiments were expressed by others. "It would be nice to see the committee doing something all the time," said Robert C. Jagnow G, one of the few students to attend the briefing. "However, I'm glad the committee is being proactive. There are some serious issues being addressed." But "I'm disappointed there isn't more student involvement," he said.

Ahmed M. Elmouelhi G, the president of the Muslim Students Association, said he is pleased the

administration has been receptive to all members of the MIT community.

"I can see how international conflict can have far-reaching problems," Elmouelhi said. "There can be direct and indirect repercussions on students. There's an intimidation factor of not understanding your place in the MIT community or if it will support you."

"It affects people academically, especially international students," Elmouelhi said. "I hope MIT will remain at the forefront of academic institutions and guarantee international students the education they've worked for and deserve."

### Future plans for the committee

The last community briefing will be held next Thursday, March 6 in the Wong Auditorium. Committee members say they are optimistic about their progress, even though the previous two meetings attracted only small crowds.

"Most of the community is not on guard," Vandiver said. "My feeling is if things heat up, more people will show up."

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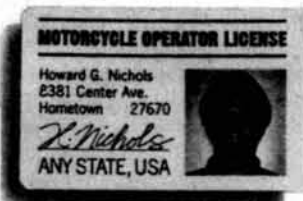


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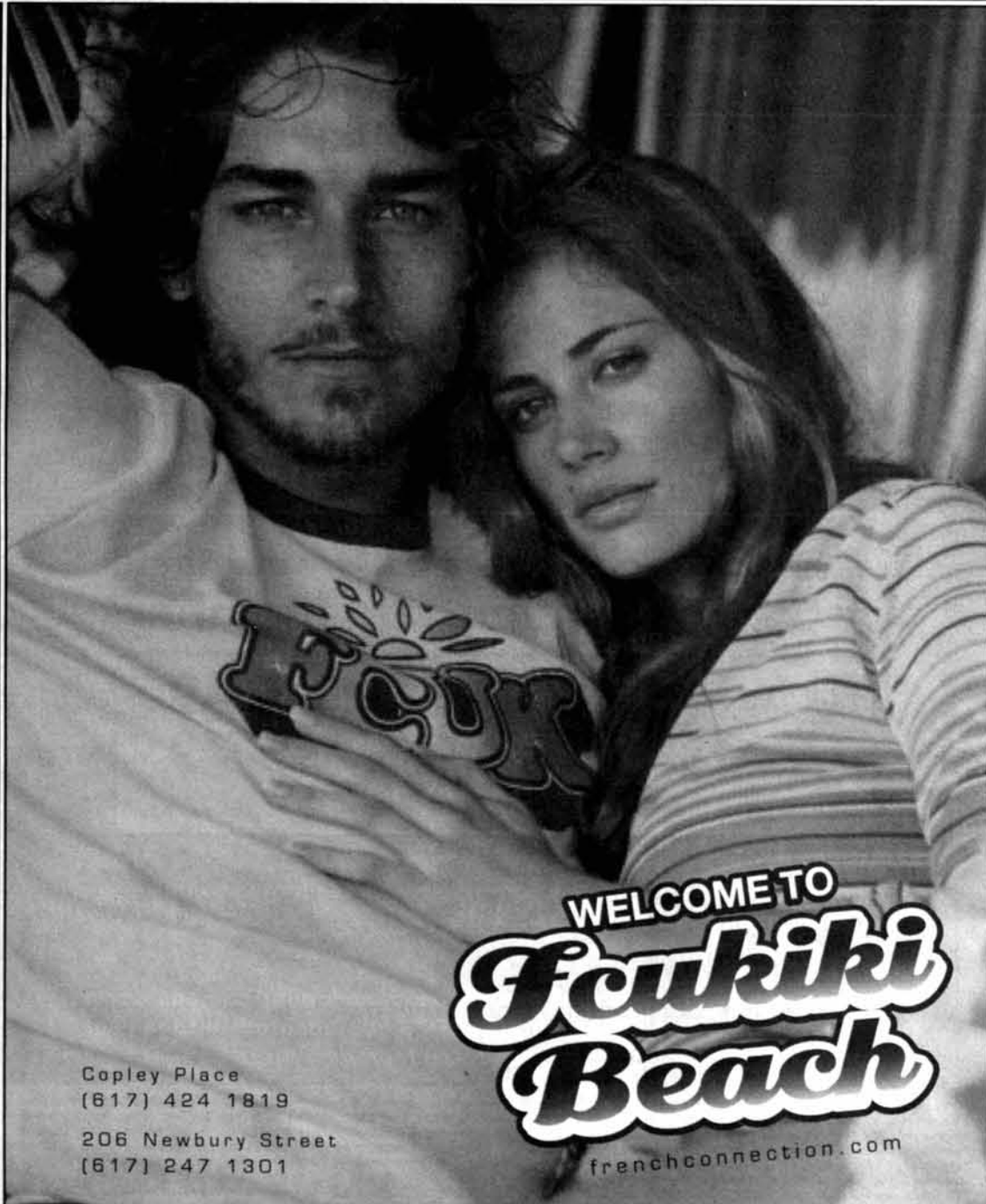
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# Students Unsatisfied with Statement on Dorm Rush

Rush, from Page 1

reserved for "residence exploration" from 3 p.m. (on Sunday) and 3:30 p.m. (on Monday) through the evening, Benedict said.

The Dormcon proposal requested that time be reserved from 2 p.m. and 3 p.m. on Sunday and Monday, respectively, in addition to a four-hour block of time on Tuesday.

There will be "at least two hours on Tuesday," Benedict said.

During the time reserved, "there would be no other scheduled events so it can be devoted to residence exploration," Benedict said.

The time reserved on Monday "doesn't conflict with anybody's programs" except seminars from "learning communities" such as ESG and Concourse, which run until 5 p.m., he said.

The final orientation schedule will be decided by Julie B. Norman, the associate dean for academic resources and programming, and Assistant Dean Elizabeth C. Young, Benedict said.

Norman said she was not sure that Monday would be reserved for residence exploration from 3:30 p.m. on. "I will protect Monday evening, certainly," she said. "What time exploration will start on Monday, I don't know yet."

### Confusion leads to criticism

Some student leaders expressed dissatisfaction with Benedict's and Redwine's statements, which Benedict characterized as a final decision.

"We definitely appreciate the fact that Benedict is attempting to accommodate the Dormcon schedule," said Grace E. Kenney '05 of ILTFP. But the statement "essentially assumes that Rush [and] Orientation 2002 was efficient and highly successful, and that's an assumption that we contest."

While similarly praising Benedict, Ross E. Benson '03 of Dorm-

con questioned whether the residence selection time Benedict discussed for Monday, Aug. 25, would really happen in light of Norman's uncertainty on the subject.

"Students don't feel that it's as concrete as Larry [Benedict] makes it out to be," Benson said. "If it were concrete, students would be happy."

"They did do a better job listening," Benson said, "but I don't think anything's going to come of it."

"There was no fundamental change in terms of the administration's view of how important dorm rush is during orientation," he said.

On Dormcon's proposal for "active squatting" — that freshmen be required to enter the post-orientation housing lottery, even if only to indicate that they wish to stay where they were assigned over the summer, or "squat," Benson said he was unimpressed with Benedict and Redwine's statement that "all freshmen will be encouraged to 'actively' reconfirm the hall they were assigned during the summer, or to enter the lottery for a new building assignment."

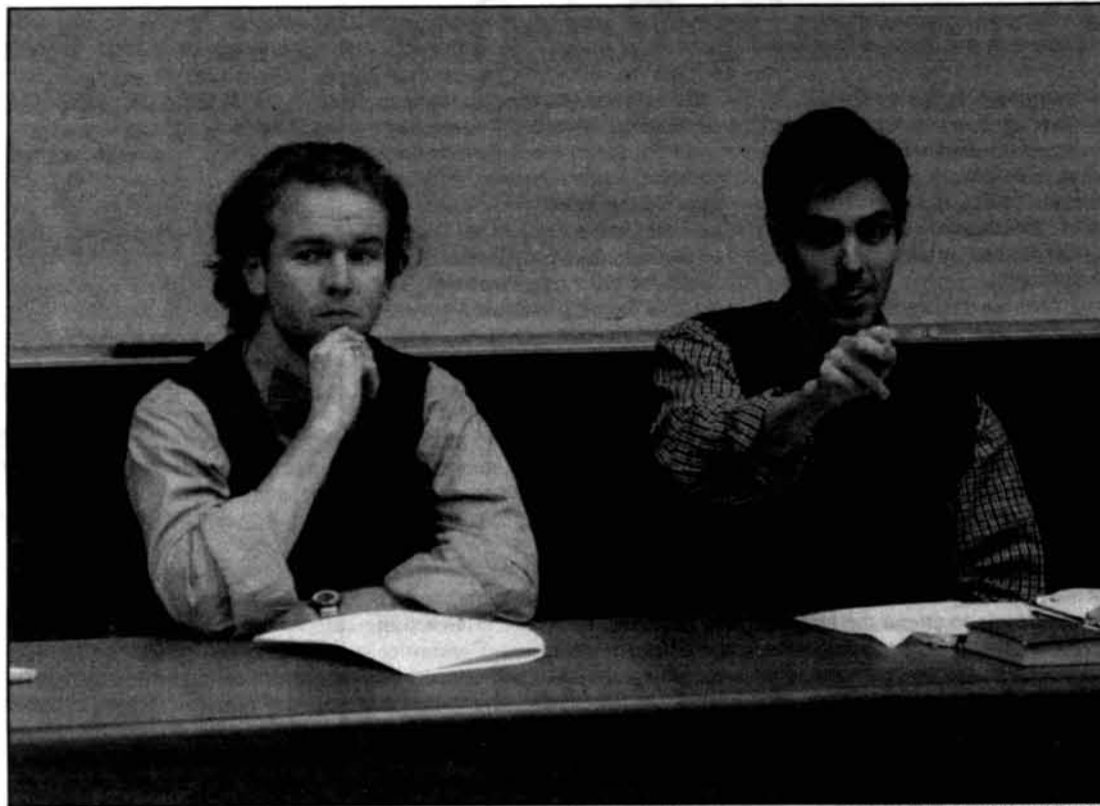
"We want it to be like in all other years," Benson said, "where if you didn't fill out the form, you ... basically got put in the dorm that had a spot for you."

Benedict said that regardless of whether freshmen were penalized — by being moved to a random dorm — in the past, he would not allow such a system in the future. "I do not believe it appropriate for the administration to be punishing the freshmen on the very first decision they will make at MIT," he said. "Doesn't sound very MIT-like to me."

### 'It is not negotiating,' dean says

Benedict emphatically shot down some ILTFP mailing list suggestions that he had adopted only a "negotiating position."

"It is not negotiating," he said.



UA Speaker Benjamin J. Zeskind '03 (right) and UA President Josiah D. Seale '03 count votes at the end of an emergency meeting to discuss the schedule for next year's rush.

"I will be extremely disappointed if they try to come back to negotiate further points," he said. "This is a very fair compromise on all parts."

But Kenney said ILTFP would continue to fight. "We think it our duty essentially that we continue to come back and attempt to negotiate," Kenney said.

Benedict said students should work instead on helping to plan orientation, instead of fighting time allocation decisions already made.

"By and large, we've worked with a very positive process over the last few weeks," Benedict said. "Let's roll our sleeves up and let's start planning what this is going to look like. I'm hoping we're all

going to work together on this."

### UA again postpones vote

The Undergraduate Association Senate met last night and voted to postpone a decision on whether to endorse the Dormcon proposal. The meeting followed another postponement, on Monday. The UA's Committee on Housing and Orientation has already endorsed the proposal.

The UA has twice postponed the vote as a result of uncertainty, and later opposition, from fraternities. On Wednesday, the fraternity presidents met and voted nearly unanimously to oppose the proposal.

"We didn't really have any input into the schedule," said Lawrence W. Colagiovanni '05, the IFC president. Highlighting the fraternity

experience in planning rush, Colagiovanni said "we think we can share that with the people writing the proposal."

Also, there are outstanding questions about "how our rush is going to piggyback on their [dormitory] rush," he said. "Once [freshmen finish] dorm rush, are they really going to want to rock and roll with an IFC rush?"

Colagiovanni called for the dormitories, sororities, fraternities, and independent living group leaders to come together to draft a unified proposal.

"We really need to sit down as a community and iron out these details," he said. "I'd like to see the student body say: Here's what we want."

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### Checkmate Solution

from page 8

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### Solution to Crossword

from page 7

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# Field Events Secure 1st Place

Track, from Page 24

55, 200, 400, 600, and 800 — were all without MIT entries. But as the races finished, it became clear that although the other teams were making up points, if MIT could continue meeting their seeds in the field events, and the remaining distance events, no one would be able to catch up.

With the victory within their sights, MIT put on a courageous display to put it fully out of reach. In the hurdle finals, Rajter finally began to show the effects of the long competition as a heel injury from the previous week slowed him down, but fought through the pain to finish sixth in 7.91. Mielcarz continued to shine, running a personal best of 7.90 to take fifth.

## Anderson, Nolan pick up points

Although Anderson faced the same three competitors in the 1,000 as had beaten him in the 1,500, he seemed confident that he could set things right. Once again Trinity's Bak set an extremely fast pace, running 29's for each of his first four laps. While most of the field was content to let him go, Anderson rode shotgun the whole way, sitting just off Bak's shoulder, before passing him at the 800. Once again Anderson was unable to hold on, as Bak retook him on the home stretch, but with his 2:28.13, Anderson easily took second, as well as the fourth fastest 1,000-meter time in MIT history.

All MIT was hoping for in the 3000 was that co-captain Sean P.R. Nolan '03 could improve on his ninth place seed and steal a point or two. Despite being injured and unable to train through much of the season, Nolan refused to settle for seventh or

eighth. When the race started to split up after the first mile, Nolan stayed with the second pack, and blazed his final 150 to hold off a hard kick from a Tufts runner, taking fifth and earning 4 more points for his team.

## Field events secure MIT victory

When the results from the field events finally came in, it was clear that the competition was for second place. Austin K. Neudecker '05 took second in the triple jump with a personal best 45-05.5 foot leap. Rajter, already hobbling from the hurdles, took his first jump for 43-01.25 feet, and called it a day, passing his final four jumps, but still placing sixth.

Orji and Williams' Trey Wright tied in the shot put with identical throws of 53-02 feet. However, Orji's second-best throw of 52-10.5 edged out Wright's second best of 52-08, and Orji took the title and the 10 points. Finally, the indefatigable Mielcarz tacked on his second win of the meet, clearing 6-08.25 in the high jump and clinching the victory.

Although the races were more important for the teams fighting for second and third places, MIT fielded competitive distance medley and 4x800 relays. David S. Gray '06 led off the distance medley relay with a strong 1,200, but a tough last 50 meters put MIT just behind several teams. Traina, anxious to make up for his bad luck in the sprints, ran a strong first 200 before exploding over the last lap, passing everyone but the leaders. Chris Peterson '06 went out hard in the 800, but held on strong, handing off to Steve K. Maltas '06 in fourth, just behind Tufts. Maltas passed the Tufts runner and made up ground on the two teams in front of him, but could neither bridge the gap in front, nor put it away behind, as

the Tufts runner caught him on the last lap. MIT held on for fourth in the heat, fifth overall, with a time of 10:35.54.

## Tech takes second in 4x800

The final event on the track was the 4x800 relay, an event MIT has won the past two years. This year a number of teams had skimped on their other relays to stack the 4x800, and with a tired Anderson coming back to anchor, it was unclear how high MIT could score.

George R. Hanson '03 got things rolling with a very physical first leg, handing off in fourth with a 2:01. Steve J. Stoddard '06 ran an aggressive leg, easily moving into second place, with his best race of the season, a 1:59 split. Taku Iida '04, whose previous season best was a 2:03, went up against a 1:56 runner from Bates and refused to give in, keeping it as close as possible and handing off to Anderson after an incredible 2:00 leg. Anderson went out hard, hoping to make up as much as possible in the first lap, but after cutting the distance in half, he simply ran out of gas and finished with a 1:56 leg, bringing MIT in with a 7:56.29, good enough for second place.

With their third New England Division III title in 4 years, MIT now looks to make their mark on the National scale. Khan, Orji, Mielcarz, and Anderson have all qualified for Nationals and, with a few others, will represent MIT at this weekend's New England Division I Championships through Nationals in late March.

The rest of the team already has their eyes set on the Outdoor New England Division III meet, where MIT is seeking its first title since 1990.

# MIT's Jin, Lee Shine Among Rookies

Fencing, from Page 24

Women's epee came in second close behind victor and epee powerhouse Brown. Epeeists Lucy R. Mendel '06, Rim Lue '03, and Mika A. Tomczak '06 took two of three bouts against the Brown University women. Mendel brought home a bronze medal from the individual tournament as well. In the second string competition, Michelle Naderman '03 and first-year Lele Yu '06 backed up the epeeists, finishing fourth and fifth.

In women's sabre, Sasha R. Manoosingh '03 and captain Priscilla del Castillo '04 fenced well and earned places in the individual tournament, but the notable performance was by rookie Shauna Jin '06. Jin completed the day with only two losses, a good finish for anyone but amazing fencing for a

first-year. The best finish of the women's sabre alternates was by Naimata Saucer '05, who took fourth.

## Sabre wins, Lee top alternate

The men's sabre squad of Michael P. Pihulic '04, Jason M. Levine '03, and captain Anthony P. Reinen '03, finished in first place Saturday with three losses. All three fenced in the individuals, and Levine won a bronze medal. In addition, freshman Bill T. Walsh came in second in the alternates' round, proving the depth of the men's sabre squad.

But it was David Lee '06 of men's foil who proved himself the most at UNH, finishing first of the men's foil alternates. Lee started fencing this season, and has risen quickly to achieve this finish for his season. The young men's foil squad

of Vincent Chen '05, Doug J. Quattrochi '04 and Sam H. Kendig '05 finished third, with Chen moving on to the individuals.

MIT men's epee came in second, led by Samuel N. Korb '05. Matt R. Levy '04, and Mike N. Beregovsky '06. Korb earned a bronze medal individually. Sophomore Rob Figueroa also fenced hard for MIT to capture fifth place in the second string competition.

This Saturday the MIT teams will challenge themselves at Boston College in the Intercollegiate Fencing Association Championships, one of the most prestigious tournaments in college fencing. The following week, the fencers will travel to New York for the NCAA Regionals, an event in which individuals will have a chance to qualify for NCAA Division I Nationals in Colorado Springs.

# Women's Swimming Takes Second

By Roger Crosley

The MIT women's swim team finished second to Springfield College in the New England

## Sports Shorts

Women's and Men's Athletic Conference championships last weekend. Three individuals and two relays won their events and were named to the NEWMAC All-Conference Team. MIT's top scorer in the meet was Monica F. Morrison '04.

Morrison took the individual title in both the 50 and 100-yard freestyle and was a member of both winning relays. Kirstin M. Alberi '03 captured the conference championship in the 100-yard butterfly, and swam on the victorious 400-yard freestyle relay team. Other relay members were Morrison, Georgene M. Hilb '05 and Kathryn M. Duffy '04. On the 200 free relay Morrison and Duffy were joined by Erin M. Zoller '05 and Yihvan Vuong '03. MIT will host the Men's NEWMAC Championships this coming weekend.

## Hockey

The championship of the New England Collegiate Hockey

Association once again just eluded the MIT Engineers.

MIT defeated WPI 9-2 in the semifinals of the league tournament with Adam Shabshelowitz '06 beginning the game with a hat-trick. In addition to the three goals, Shabshelowitz added an assist later in the contest.

The Engineers found the going a little more difficult in the finals against Bryant College dropping a 4-2 decision.

## Rifle

The MIT rifle team is in first place in the Expert Division of air rifle headed to this weekend's Mid-Atlantic Rifle Conference Championships that will be held at the U.S. Naval Academy. MIT is also ranked second in the Smallbore and Sharpshooter divisions.

The team will shoot a shoulder-to-shoulder match with the University of the Sciences in Philadelphia for the conference title.

MIT shooters Yin M. Chen '03 and Audrey S. Wang '03 recently captured the pistol sectionals held at MIT. Wang won the free pistol title, while Chan took home championship honors in women's air pistol and sport pistol.

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## SPORTS

## MIT Men's Track &amp; Field Team Wins Top Spot at New Englands

By Yuval Mazor  
TEAM MEMBER

For the third time in four years, MIT's Men's Track & Field team won the New England Division III championships. The championship meet, hosted at MIT, was expected to be a dog-fight, with at least five teams contending for the title, although MIT was a slight favorite, having finished the regular season undefeated.

Led by the senior class, MIT jumped out to a big lead and refused to let anyone get close, winning with 120 points. Williams, co-champions in 2002, narrowly edged out Tufts 88 to 87 for second and third places. Bowdoin (72.5) and Bates (60) rounded out the top five in the 26-team meet.

## MIT sweeps pentathlon

The meet started off on Friday with the pentathlon, an event MIT has owned for the past four years. Captains Craig D. Mielcarz '03 and Richard F. Rajter '03 were expected to go 1-2, and after jumping to a big lead after the hurdles and long jump, they focused on conserving energy over the next three events to be as fresh as possible for their events on Saturday.

The competition was not without drama, as Thomas M. Hoover '05

and Victor L. Williamson '04 were seeded for 7th and 8th, but were hoping to do better. Hoover used the efficiency approach, scoring solidly in all five events to take third place.

Williamson was more erratic, coming into the last event — the 1000 meters — in sixth place. After getting out very aggressively, Williamson looked spent with 300 to go, but managed to summon his strength over the last 150, kicking in to win the race and complete the MIT sweep, 1-4. When the competition resumed Saturday morning, MIT was already enjoying a 20-point lead on the rest of the field.

The first event to finish was the weight throw, an event where MIT expected to score big. The throwers were up to the task, as Chris Kahn '04, David P. Saylor '04, and Uzoma A. Orji '06 all made the finals, and finished 2-4-7. At the same time, Mielcarz and Hoover were back at it, competing in the long jump. Instead of being tired from the previous day's pentathlon, the two seemed refreshed, placing fourth and fifth for 9 points, despite being seeded to score only 1 point between the two.

## Results mixed in running trials

The early running events brought mixed results for the Engineers. In the trials of the 55-meter dash, David A. Blau '06 and Zack J. Traina '05 were a little off their best and missed

qualifying for finals by .01 and .02 seconds, respectively. Traina's unfortunate carry over to his next race as well, as he ran a strong 200-meter trial, but a misstep on the second turn led him to run into the lane inside of his, and he was disqualified. The pentathletes continued to respond, however, as Mielcarz and Rajter both qualified easily for the 55 hurdle finals.

The first running final was the highly anticipated 1,500-meters, which featured four of the five fastest Division III milers in the country, including MIT's Brian Anderson '04. The race lived up to the hype as Trinity's Ryan Bak took it out hard, and held off a late surge from Mark Miller for the win.

Anderson ran a tactical race, sitting on Williams' Matt Winkler in third until the last 300 where he tried to pull away. Winkler refused to give up, eventually retaking Anderson on the final straightaway and leaving Anderson with a hard-fought fourth place.

By this point in the meet, MIT had built a sizeable lead, but was now faced with the position of watching its opponents chip away. Between graduation and injuries MIT was left with very little depth in the middle distances, and without its sprinters in the finals, the next five races — the

Track, Page 23



Adam Gibbons '05 takes an open shot at the top of the key during a NEWMAC quarterfinal playoff game against Springfield College. MIT lost 59-55.

## UPCOMING HOME EVENTS

Friday, Feb. 28

Men's Swimming — NEWMACs: Prelims 11 a.m., Finals 7 p.m.

Saturday, Mar. 1

Men's Swimming — NEWMACs: Prelims 11 a.m., Finals 6:30 p.m.

Sunday, Mar. 2

Men's Swimming — NEWMACs: Prelims 11 a.m., Finals 6:30 p.m.

## Wrestlers Take 11th at New Englands

By Will Hafer  
and Pawan Despande  
TEAM MEMBERS

MIT wrestlers finished their season with peak performances this weekend at the New England Conference tournament at Roger Williams University. Ranked at the bottom of the conference coming into the tournament, MIT finished eleventh in a field of 15 and placed three All-Conference wrestlers, two of whom were not previously ranked.

Head Coach Tom Layte said he was happy with the team's performance. "I was never content with MIT being last in the conference. This weekend, these guys showed that they weren't content, either."

## Lambert, Hafer, Walker place

Michael J. Lambert '02 was MIT's highest place-winner, battling his way to third at the 133-lb weight class. Though Lambert also placed his freshman and sophomore years, a bumpy regular season had kept him off the rankings. "Coming into New Englands, no one thought I could place except me and [Coach Layte]," Lambert said. "Even when the season was going badly, I always had my eye on New Englands."

Coach Layte said he was happy with Lambert's performance, but he hoped next year he wouldn't wait so long to start wrestling well. "He's going to be working out during the

pre-season, I can tell you that right now," Layte said.

MIT's second place-winner was William T. Hafer '03, who came away with sixth at 165 lbs. Hafer wrestled his way to the top six, then injured his foot during a match and was forced to forfeit out. "It was a shame that that had to happen," Hafer said. "There was a minute to go and I said, 'This is it, it's time to start wrestling.' Then — something went crunch in my foot."

Hafer also had not been ranked coming into the tournament. "I had a lot of false starts this season, with injuries, or school, taking me away from wrestling for awhile. I didn't get in the zone until, basically, this weekend."

The last grappler to place for MIT was heavyweight Gregory T. Walker '03. Walker placed fourth, losing his final match in overtime to the eventual tournament champ. "I made some mental mistakes, and it cost me," Walker said. "I knew I could beat him, [but] I wasn't careful enough on my feet."

Walker had been ranked second coming into the tournament, and seventh in the nation. "He just had a bad tournament," Coach Layte said. "Sometimes the mat can be merciless like that."

## Miller barely misses placing

Lambert, Hafer and Walker weren't the only Engineers with impressive performances. Paul G. Miller '05 came one match away

from placing, while wrestling up a weight class, at 184. "The guys were big, but most of it was fat," Miller said. "My strategy was to tire them out until they were hating life. The Plymouth State guy [Miller's final loss] basically just sat on me."

Even MIT's less experienced wrestlers turned it on for New Englands. Gregory P. Fonder '05, who had never wrestled before this season, posted his first victory ever with a first-period pin. "It was a Wayne's roll," Fonder explained. "It's the only move I know how to take people down with. [Assistant Coach Dave Grundy] got me really psyched up before the match, and I went out and hit it."

Fonder attributed his win to his coach's nutritional advice. "Coach said he used to eat a mayo sandwich before his matches," he said. "I tried it, and it actually gave me a lot of energy."

"It's always great to see somebody get their first college win," Coach Layte said.

"We wrestled a lot of good matches this weekend," Layte said. "It's easy to say, 'We're MIT, we're ranked last,' and just lose, but nobody told these guys that. They deserve a lot of credit."

Next year, the grapplers will be led by Lambert and Jack E. Williard '04. "I'm looking forward to next year already," Williard said. "Mike [Lambert]'s going to go to Nationals, and I'm going to have to go there with him."

By Catherine Tweedie  
TEAM CO-CAPTAIN

At the indoor track and field women's New England Division III Championships at Bowdoin last weekend, MIT's small but potent women's team performed above expectations, placing fifth overall. Despite only being ranked ninth out of the 25 competing teams, MIT was outscored only by Williams, Tufts, Bowdoin and Colby College.

In the final team-scoring meet of the season, Tech Track's best athletes represented the team at the championships. Clarissa Y. Smith '04, exploding back from a long injury, placed in every event in which she competed. Smith tied the school record for the 55-meter dash with a time of 7.52, placing fourth overall, ran a 26.90-second 200-meter, and jumped 17-00.75 in the long jump to claim a top 3 spot on the podium.

Also participating in multiple events, was Chinwe P. Nyenke '04, who placed eighth in the 55 hurdles and seventh in the triple jump with a season best of 34-07.5.

Catherine A. Tweedie '04, co-captain, was the pole vault champion on Saturday with a vault of 11 ft.

Rounding out MIT's strength in

the jumping events was Emily Schwartz '05, who placed 4th in the high jump.

In the distance races, Julia C. Espel '05 ran a solid 3,000-meter, with a time of 10:22.72, just seconds short of the school record, winning MIT another top-three spot, while Martha W. Buckley '04, co-captain, ran the 5,000-meter and shattered the former school record by nearly 20 seconds with a final time of 17:45.44, placing her 15th on the nationals list.

In the throws, Adrienne M. Irmer '04 heaved the weight 48-04.75, earning fourth in the weight throw.

The indoor season is mainly over, although all three co-captains are ranked nationally and still hope to attend nationals in Depaw, Illinois.

## At New Englands, Fencing Victorious, Collects Medals

By Suki Dorfman  
TEAM MEMBER

MIT won its sixth consecutive New England Championship, last weekend, leaving second place Boston College behind by 24 bouts.

For the third year in a row, the women's team won the crown, by the huge margin of fourteen bouts. The men's team took second in their field, and each of the six individual squads placed. Thirteen of the eighteen starters qualified for the individual competition.

Held at the University of New Hampshire this year, the New England Championship is the culminating event of the fencing season. Eleven other schools joined MIT for the contest.

The "New Englands" is an annual tournament comprised of three separate events. First, the teams compete round-robin style for the awards for squads and for teams. The top fencers in this event move on to an individual competi-

tion. Alternates fence in a similar individual-oriented "second string" competition.

## Women's foil unstoppable

The women's foil squad had MIT's most outstanding performance for the day. Of the 26 bouts they fenced, they only lost one, easily winning Best Women's Foil Squad. Second place UNH, which initially seemed a serious contender against the MIT women, could not take any wins against MIT.

Squad members Christine A. Yee '03, Suki Dorfman '05, and Gemma L. Mendel '06 each qualified for the individual event with the top records for their positions. To finish the day, Dorfman and Mendel grabbed the first and second place medals in the individual competition after a three-way tiebreaker barrage. Yee was close behind in fourth. Alternate Cassie Huang '06 supported her victorious squad and showed her skill in the second string competition.

Fencing, Page 23