

NATHAN COLLINS—THE TECH

An MIT ROTC member marches on the steps of the Student Center as part of the annual POW/MIA vigil. The vigil began Wednesday and went through the night, ending Thursday morning.

Murphy, Simmons Fill Vacated Cambridge City Council Seats

By Harold Fox
STAFF REPORTER

Newcomers Brian Murphy and Denise Simmons won seats on Cambridge's City Council along with all seven incumbent candidates.

Murphy, a former Democratic campaign manager, and Simmons, a long time member of the Cambridge School Committee, fill the vacancies on the Council left by the retirement of Councillors Kathleen Born MAR '77 and Jim Braude.

The Community Preservation Act, the only issue on the ballot, passed with 71 percent of the vote.

Murphy elected on first count

Eric Pugatch, Murphy's campaign manager, said that the key to the election was sweat and smiles. "We won, because we worked really hard for a really long time," he said. "Brian was knocking on doors since June, and we were holding small coffees. We had a midnight mail drop on Monday. Anyone who offered Brian their vote, we made sure all of them got a phone call before the election. We were offering rides to the polls all day."

Simmons was elected on the 13th count when fellow Cambridge Civic Association endorsee Etheridge A. King was eliminated. The CCA, a historically dominant progressive political organization ailing in recent years, managed to elect three of its six endorsed candidates to the council.

Mayor Anthony Galluccio followed up on his strong showing two years ago with 3,230 first-place votes, nearly double the number received by his nearest challenger.

"Galluccio is as powerful now as any mayor we have had in the city of Cambridge," said Robert Winters,

Cambridge City Council Election Results

Candidate	1st place votes	Elected/defeated on count*
Anthony D. Galluccio	3,230	1st
Brian Murphy	1,716	1st
Henrietta Davis	1,713	1st
Marjorie C. Decker	1,540	9th
Timothy J. Toomey Jr.	1,402	13th
E. Denise Simmons	1,339	13th
Michael A. Sullivan	1,315	2nd
Kenneth E. Reeves	1,141	14th
John Pitkin	1,091	13th
David P. Maher	1,017	14th
Etheridge A. King	378	12th
Steve Iskowitz	345	11th
Steven E. Jens	278	10th
Jacob Horowitz	155	8th
Robert L. Hall	153	9th
Vincent Lawrence Dixon	92	7th
Helder Peixoto	69	6th
James E. Condit III	63	5th
James M. Williamson	58	4th
Total	17,126	

Winners' names are in boldface.

* Elections are done using a preferential ballot system. A number of votes equal to one-tenth of the ballots cast (1,713) are needed to be elected. When a candidate receives enough votes, his/her surplus votes are redistributed to other candidates. If no candidate is elected in a round, the candidate with the least votes is eliminated and his/her votes are redistributed.

Proposal Would Give FSILGs Financial Aid

By Brian Loux
ASSOCIATE NEWS EDITOR

Under a student committee's proposal, the Institute would give FSILGs 80 percent of the fixed facility cost for each empty bed and half the fixed facility cost of fifth-year students filling spaces in the 2002-2003 school year.

The 2002 financial transition committee drafted the proposal requesting Institute assistance for fraternities, sororities, and independent living groups during the period when all freshmen move on campus.

The committee, consisting of students affiliated with the Interfraternity Council and staff from the

Residential Life and Student Life Program office, presented its draft to the IFC President's Council yesterday. The proposal was loosely based on a December 1999 report written by Lawrence S. Bacow '72 during his tenure as Chancellor.

"We want the proposal to the administration as pro-student as possible," said Kristie A. Tappan '03, a member of the transition committee. "We are hoping get a lot of student feedback now."

Bacow's report used as guide

Bacow's 1999 report, entitled

Funding, Page 17

Necco to Close Massachusetts Avenue Factory, Move Operations to Revere

By Sandra M. Chung
ASSOCIATE ARTS EDITOR

The New England Confectionery Company is moving out of its historic facility near Random Hall. The new, larger Necco headquarters, located on American Legion Highway about a mile from Wonderland, is currently being renovated and outfitted with up-to-date candymaking and assembly line equipment.

Marketing manager Lori Zembalati cites two reasons for the move to the Revere area. The lease on the company's East Cambridge Haviland facility expires soon, necessitating a relocation of that branch of Necco.

Also, the equipment at the facility, which dates back to 1927, has become dated, Zembalati said. The Revere facility is both more spacious and easier to outfit with new equipment.

David Cordeiro, a production

assistant at the Massachusetts Avenue facility, said producing candy in Cambridge has become too expensive. "It's time for a change, a new place," Cordeiro said.

Necco has been looking to consolidate its Cambridge operations for the last two years.

Factory to become tech center

According to Zembalati, the Massachusetts Avenue factory still lacks a firm buyer. Zembalati said the factory's purchaser would likely be a high-tech or biotechnology firm. Two other Necco factories in Wisconsin and Louisiana will remain unaffected.

According to Zembalati, the Massachusetts Avenue facility "is considered a historic landmark" and "is going to keep its character." Cordeiro says the exterior of the building and the wooden sign will remain intact, but the interior will

be modernized. The renovated candy factory will be known as the Necco Technology Center, with a character similar to that of the technology firms in Kendall Square.

The final move to Revere is scheduled for May 2003.

Cordeiro says the factory might lose a number of the workers who already have a long commute to the Massachusetts Avenue factory and are unwilling to commute an even longer distance to the Revere facility.

Necco has a place in history

The Necco company is famous for manufacturing several different kinds of distinct candies, including malted milk balls, candy buttons, Mary Janes®, Sweethearts™, Clark® Bars, Haviland® Thin Mints, and the self-titled wafers that lend their familiar aroma to the area

Necco, Page 16

editor of the Cambridge Civic Journal and long time Council watcher. "He has an incredible amount of support in North Cambridge. If there's ever been a guy from Cambridge who has a good shot at higher office, Anthony's the guy."

MIT alumnus Steven E. Jens '98 was eliminated in the tenth count, placing him in the final thirteen of the nineteen candidates who ran. Jens' run followed the unsuccessful bid of Erik C. Snowberg '99 for a

council seat two years ago. Among the incumbents, Kenneth Reeves was considered the most vulnerable because of the candidacy of Simmons, another African American with a large support base in Ward 4 around Central Square. Reeves was elected on the 13th count.

"That's one of the things that happens in Cambridge politics,"

Elections, Page 18



ROYESAKI—THE TECH

David Nemtsov, president of Alliance to Save Energy, addresses energy conservation policies during Tuesday's Energy and Climate Symposium.



ARTS
As You Like
It is a mixed
bag.

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Comics

OPINION

Ken Nesmith muses about the writings on the Harvard Bridge.

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WORLD & NATION

Cipro Action Feeds Push to Cut Cost of AIDS Drugs

NEWSDAY

Angry that the Bush administration was willing to force price reductions for Bayer's anti-anthrax treatment, Cipro, but unwilling to exercise similar clout to reduce the cost of AIDS drugs, the leaders of 60 poor nations teamed with activists worldwide to challenge the World Trade Organization meeting Friday in Doha, Qatar.

At issue is the organization's crucial Trade Related Intellectual Property agreement, or TRIP, which affects worldwide patent protections for medicines.

Protesters are demanding sweeping changes in the agreement to allow rival generic manufacturers, on a limited basis, to sell discount versions of patented drugs for a host of diseases in poor countries. However, the pharmaceutical industry opposes such steps, arguing that without a guarantee of high returns on their research, they can't fund work on future medicines.

The activists are especially upset because this week, while Americans are focused on anthrax and the threat of bioterrorism, Congress slashed its previously committed allocation for the Global Fund for AIDS, Tuberculosis and Malaria from nearly \$1 billion to be paid into the fund in 2002-03 down to \$190 million.

High Court to Weigh Drug Testing

LOS ANGELES TIMES

WASHINGTON

The Supreme Court agreed Thursday to decide whether all high school students who participate in extracurricular activities beyond sports can be forced to undergo random drug tests.

A ruling on the issue, which can be expected by next spring, should clarify how far public school officials can go in requiring drug tests of students.

The justices have said that students have lesser privacy rights than adults. Six years ago, they upheld an Oregon school district's policy of testing school athletes for drug use.

School officials in the small town of Vernonia, Ore., said they had a serious drug problem. Athletes serve as role models and must be seen as drug-free and, beyond that, young athletes would risk serious injury if they were using drugs while playing sports, officials said.

For all these reasons, the Supreme Court approved the school's drug-testing policy and rejected the claim that it violated the Fourth Amendment's ban on unreasonable searches and seizures.

Committee Passes Stimulus Plan

NEWSDAY

WASHINGTON

The Senate Finance Committee said farewell to congressional bipartisanship Thursday and passed a \$66.4 billion economic stimulus plan authored by Democrats that Republicans derided as "pitiful ... insulting" and loaded with pork-barrel spending.

The committee voted along party lines and approved a bill, 11-10, that modified the package proposed five weeks ago by President Bush and differed sharply from the \$99.4 billion package passed by the House three weeks ago.

As Democrats tried to secure support, the package of rebates for low-income workers, expanded insurance and health benefits for the unemployed, and incentives for business was enhanced by adding special-interest items, including a \$5.3 billion, 10-year program to help rebuild lower Manhattan.

Half of the cost of the Senate measure, \$34 billion, would extend unemployment benefits by 13 weeks and expand health coverage for the unemployed. It also provides rebates for some 38 million taxpayers who paid payroll taxes but did not receive full \$300 refunds last summer; temporary increases in Medicaid allowances for states; and an incentive that allows businesses to calculate as expenses 10 percent of the investment cost.

Bush Addresses Nation, Urges Commitment Against Terrorism

By Mike Allen

THE WASHINGTON POST

ATLANTA

President Bush, urging the nation to avoid both a state of panic and a state of denial, said Thursday night that individual citizens will be responsible for personally confronting terrorism in coming years despite a government pledge to protect American soil.

Bush said the government remains on high alert and asked viewers of the nationally televised address to add their eyes and ears to the effort. He said the nation has "entered a new era," with "new responsibilities, both for the government and our people."

"This is a war that must be fought not only overseas but also here at home," Bush said. "We must be vigilant, inspect our mail, stay informed on public health matters. We will not give in to exaggerated fears or passing rumors. We will rely on our good judgment and our common sense."

His announced theme was homeland defense, but Bush used the occasion to deliver a broad message that ranged from calls for personal vigilance and community service, to a progress report on anthrax investigations, to a renewed commitment to destroying Osama bin Laden and his al-Qaida terrorist network. Looking relaxed and confident, Bush said the United States and the coalition he has assembled "are deliberately and systematically hunting down these murderers and we will bring them to justice."

"We are at the beginning of our efforts in Afghanistan, and Afghanistan is only the beginning of our efforts in the world," he said. "No group or nation should mistake America's intentions: Where terrorist groups of global reach exist, the United States and our friends and allies will see it out and destroy it."

Bush spoke at a time when polls show that roughly 90 percent of the public supports his war on terrorism, although only a little more than

half believe the government is prepared to prevent future attacks. Administration officials said they hoped the address would help Bush convey his mastery of the war at home as successfully as he framed his goals for the military strikes on Afghanistan in his address to Congress on Sept. 20.

Since then, the White House has been criticized for an initially plodding response for anthrax attacks that have killed four people, including two postal workers in Washington, D.C., who were not treated immediately.

Last month, Bush created an Office of Homeland Defense, headed by former Pennsylvania governor Tom Ridge, but many lawmakers have said Ridge was given too little authority and hasn't made a sure-footed debut. The administration's efforts also have been plagued by contradictory warnings and reassurances officials have issued since Sept. 11, which have included unspecified terrorist threats.

Ashcroft Announces 'Wartime' Justice Department Structure

By Tom Brune

NEWSDAY

WASHINGTON

Declaring the United States "victorious" in the opening battle against terrorism, Attorney General John Ashcroft announced Thursday a sweeping "wartime reorganization" of the Justice Department to prepare for a long fight.

Ashcroft applauded the nation's vigilance since the devastating Sept. 11 attacks, saying that the time periods covered by his two threat warnings last month had passed and that "We have not suffered another major terrorist attack."

But he told his senior staff at a meeting here that the focus of the Justice Department now has to shift so that "defending our nation and defending the citizens of America against terrorist attacks is now our first and overriding priority."

Among other things, Ashcroft proposed transferring a tenth of the department's jobs in Washington to field offices around the country and

shifting 10 percent of the budget — or about \$2.5 billion — to efforts to prevent and disrupt terrorism.

Announcing a five-year strategic plan, Ashcroft said, "Today, I am announcing a wartime reorganization and mobilization of the nation's justice and law enforcement resources to meet the mission of the Department of Justice."

The ambitious plan contains 10 initiatives that include the long-sought division of the Immigration and Naturalization Service into two agencies, the elimination of some divisions within the Office of Justice Programs and the long-awaited reorganization of the FBI.

While some changes may begin soon, others will require time, and many will depend on the cooperation and approval of Congress, which received a copy of the plan Thursday.

Initial reaction was generally favorable, although Sen. Charles Grassley, R-Iowa, the Judiciary Committee's chief FBI critic, noted,

"The devil is in the details," and he called for "new accountability measures, not just structural changes."

Senate Judiciary Committee Chairman Patrick Leahy, D-Vt., sent a letter to Ashcroft applauding the redirection of the Justice Department toward anti-terrorism, but asked him to extend the study of the FBI to determine why it failed to prevent the Sept. 11 attacks.

The FBI, which is the lead agency in investigating domestic terrorism, already had been under intense scrutiny for several months by management consultants, the Justice Department's inspector general and an outside panel.

A senior Justice Department official said the timeline on those reports has been extended, with preliminary findings due soon and an overall plan for reorganization expected by the end of February. The Justice Department could potentially shed some of the many duties and responsibilities it has picked up over the past decades.

WEATHER

Situation for Noon Eastern Standard Time, Friday, November 9, 2001



Chilly Weekend

By Nikki Prive

STAFF METEOROLOGIST

A cold front passed over Boston last night, bringing with it clouds and a few showers. Today will be much cooler than yesterday, courtesy of blustery, chill winds blowing in from the northwest. These cold winds will slowly taper off overnight on Friday.

The weekend will be a mixed bag of sorts. Saturday will start off fair, but it will begin to cloud over again on Saturday afternoon with another cold front, with a chance of sprinkles in the Boston area and even some flurries to the north. Sunday will be clear but chilly, with overnight temperatures dipping below the freezing mark. Next week will start off sunny but still cold, with a region of high pressure residing over the area.

Weekend Outlook

- Today:** Partly sunny, windy and cooler. Highs in the upper 40s (9°C).
- Tonight:** Mostly clear. Lows in the lower 30s (0°C).
- Saturday:** Mostly cloudy. Highs in the upper 40s (9°C).
- Saturday Night:** Partly cloudy. Lows near 40°F (4°C).
- Sunday:** Mostly sunny and brisk. Highs in the mid 40s (7°C).
- Sunday Night:** Mostly clear. Lows in the upper 20s (-2°C).
- Monday:** Mostly clear. Highs in the mid 40s (7°C).

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

Compiled by MIT Meteorology Staff and The Tech

Northern Alliance Claims Key Gains in Battle for Major City

By Maura Reynolds
and John Hendren

LOS ANGELES TIMES

TERMEZ, UZBEKISTAN

Anti-Taliban forces reported Thursday they have strengthened their positions in what a key U.S. commander called a "big fight" under way near the strategically located city of Mazar-e-Sharif in northern Afghanistan.

Leaders of the opposition Northern Alliance described the firefights in neighboring villages as a prelude to an imminent assault on the city that could last two or three days. The opposition leaders said they are eager to take Mazar-e-Sharif before the Muslim holy month of Ramadan begins in about a week, securing a crucial corridor for deliveries of U.S. military supplies and humani-

tarian aid.

"We hope that by (today), we'll already be on the city outskirts, Allah willing," said Kuodratullo, a top aide to Northern Alliance commander Ata Mohammed. Kuodratullo, who goes by a single name, was interviewed by satellite telephone from the town of Shulgara, about 25 miles south of the city.

Haji Muhammad Mukhaqiq, one of the three main Northern Alliance commanders around Mazar-e-Sharif, confirmed that an offensive on the city itself is in the works but declined to say when it would start.

"We strengthened our positions (Thursday) and are in line of sight of the city," Mukhaqiq said by satellite phone from Shulgara. "We spent all day in meetings and (strategy) discussions."

Army Gen. Tommy Franks, the U.S. commander coordinating the military campaign in Afghanistan, confirmed from Washington, "There is a big fight that's going on in the vicinity of Mazar."

Franks said that Northern Alliance control of the city would be key "because it would provide a land bridge ... up to Uzbekistan, which provides us, among other things, a humanitarian pathway for us to move supplies out of Central Asia and down into Afghanistan."

Capturing Mazar-e-Sharif, located on a north-south transportation corridor, also would give Northern Alliance troops a base of operations where they could be more easily supplied by the United States. An opposition victory would also provide an important morale boost.

Pentagon's Counterterrorism Effort Gets \$1.67B From House Committee

By Dan Morgan

THE WASHINGTON POST

WASHINGTON

In the first attempt by Congress to adjust the defense budget to new security threats, a key House committee has added \$1.67 billion for Pentagon counterterrorism efforts, including \$50 million to test equipment that could detect small, smuggled nuclear devices.

Under a plan approved by the House Appropriations Committee — and strongly recommended in an unclassified report by the independent Defense Science Board — Secretary of Defense Donald Rumsfeld would have 180 days to select

four military sites for the tests, which would involve trying to pinpoint the presence of nuclear materials or even a warhead, sources said.

Advanced detection devices exist at several of the nation's nuclear laboratories and have been used by the Energy Department's Nuclear Emergency Search Team.

But scientists and congressional officials said this week that they have never been brought together in a way that would enable local law enforcement agencies to ferret out suitcase-size weapons smuggled into U.S. ports or past border guards.

The broader test of the equipment is ordered in a new counterterrorism title added to a \$317.4 billion defense appropriations bill for 2002 that could reach the House floor next week.

Although the test had not been requested by the Pentagon, congressional officials noted that President Bush has voiced concern about the threat from a small nuclear device.

Speaking by phone Nov. 6 to a Warsaw conference on terrorism, Bush warned that al-Qaida was "seeking chemical, biological and nuclear weapons," making it a "threat to civilization itself."

United Nations Tightens Security For Terrorism Conference

LOS ANGELES TIMES

NEW YORK

The tightest security in the 56-year history of the United Nations will be in place Saturday when President Bush and world leaders meet to discuss terrorism in the wake of the attack on the World Trade Center.

Fueled by fears of anthrax and statements by Osama bin Laden denouncing the international organization, an ambitious security perimeter is being erected.

Precautions include garbage trucks filled with sand at street corners to block car bombs, a flotilla of vessels in the East River protecting against possible waterborne attacks and special SWAT teams of police officers and Secret Service agents to guard the highest-profile dignitaries. Airspace above the buildings will be cleared, and bomb-sniffing dogs will be stationed underground.

"Security will be much tighter than you have ever experienced before, because the threat is high," says Fred Eckhard, spokesman for U.N. secretary-general Kofi Annan.

The annual General Assembly debate, which is expected to draw delegates from all 189 member countries, was postponed after the Sept. 11 attacks. It will run from Saturday morning through next Friday.

FCC Agrees to Broaden Spectrum Available for Mobile Phones

LOS ANGELES TIMES

WASHINGTON

In a move likely to accelerate consolidation in the wireless industry, federal regulators Thursday agreed to eliminate airwave ownership limits on mobile phone companies by 2003.

In a first step toward eliminating ownership caps, the Federal Communications Commission voted 3-1 on Thursday to allow wireless carriers to control 55 megahertz of radio spectrum in a local market instead of a maximum of 45 megahertz.

Commissioners also agreed to eliminate spectrum limits altogether in January 2003 after the FCC sets up procedures to weigh an expected increase in wireless industry mergers.

The decision represents a victory for Cingular Wireless, AT&T Wireless Services Inc. and other large mobile carriers. They want to add more wireless spectrum in order to improve call quality for the nation's 123 million cell phone subscribers and introduce airwave taxing services such as higher speed wireless Internet access.

The vote also marks the most sweeping effort yet by FCC chairman Michael K. Powell to overhaul communications ownership rules.

With spectrum ownership limits relaxed, financial analysts say that AT&T and Cingular Wireless are the most desperately in need of additional airwaves to satisfy customer demand.

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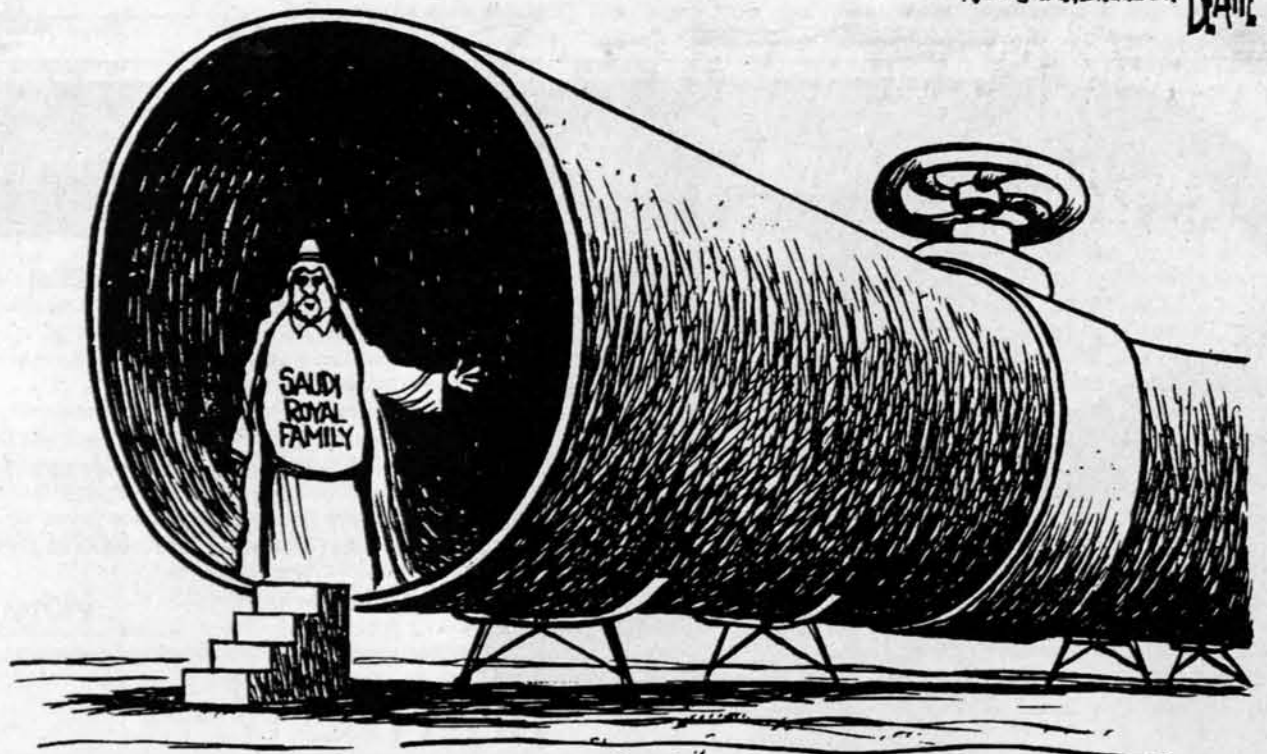
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"Osama bin Laden uses a cave . . . but we hide in here for protection."

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Errata

In a previous article ["OpenCourseWare Program Begins Web-based Pilot", November 6], the Department of Linguistics and Philosophy was listed incorrectly. It is Course XXIV.

The name of Katherine A. Reid '04 was misspelled in a previous article ["CAC Installs New MIT Card Locks", November 2].

A caption in last Friday's issue incorrectly stated that Joseph T. Foley G was an organizer of the "Ugliest Manifestation On Campus" contest. Benazeer S. Noorani '04 was the sole chair of the organizing committee for the contest.

Expansionist Destiny

Philip Burrowes

When the Arizona Diamondbacks defeated the New York Yankees on Sunday to win the World Series, they did more than attest to their own value as a team; they reaffirmed the validity of Major League Baseball's expansion policy. As a team five years removed from its inception, Arizona's success runs counter to the critique that baseball had manufactured its own sort of landed aristocracy which dominated the sport. Instead, an upstart franchise had overturned the tyranny of Steinbrenner's purse and the Yankee mystique.

Expansionism, then, did not lead to an overall dilution of competition — with the expansion teams getting the short end of the stick — but in fact contributed to a better distribution of talent. Yet the MLB has decided to go in the opposite direction and contract the league. Closer observation of expansionism reveals this is not as contradictory as it seems.

The year 1985 brought the announcement that the National League would expand by two teams. As a result, the Florida Marlins and Colorado Rockies began playing in 1993. Colorado reached the playoffs only two years later, the fastest showing of any expansion team. Florida would win the 1997 World Series. That championship team, however, would be largely dismantled due to the financial expense of keeping it together, with even their general manager jumping ship (coincidentally joining the Rockies).

Herein lies the quirk of expansion teams; while the players are placed into a new situation, the owners are very likely more experienced. Jerry Colangelo, for example, has operated the National Basketball Association's Phoenix Suns for decades before his role with the Diamondbacks. Expansionism is not, then, the spontaneous generation of a new entity within the sport, but the exercise of external, already established interests. The Tampa Bay

Devil Rays, the Diamondbacks' expansion companion, were created by the two-decade-long lobbying effort of area interests.

Colangelo's NBA experience will tell him that "expansion" in other arenas still has this element of outside influence. Since the late 80s brought some half-dozen new teams to the league, each has been rocked by the institutional breakdown generated by the lure of relatively superior markets elsewhere. Penny Hardaway came to Colangelo's Suns after his partnership with Shaquille O'Neal in Orlando was shattered by O'Neal's flight to the bright lights of Los Angeles and the Lakers. At the point on the same Suns, Stephon Marbury had once adamantly sought to come in from the cold of Minnesota and the Timberwolves. Memphis — née Vancouver — experienced the same cold shoulder from Steve Francis, who demanded a trade which brought him closer to the border and into a Houston uniform.

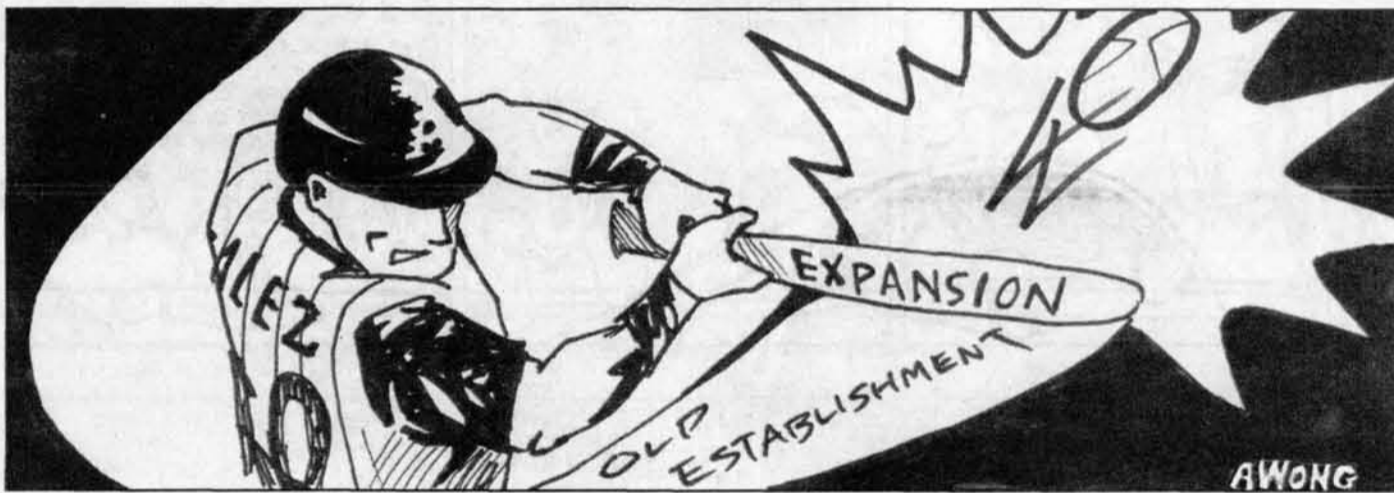
Even the gleaming metropolis of Toronto could not showcase the rising star of Tracy McGrady to his liking, ironically bringing him to the same Orlando which not long ago had lost its NBA Finals nucleus to the same wanderlust. Vancouver lost the Grizzlies to Memphis precisely because the latter city was believed more appealing, and that amounted to a "contraction" of the NBA's expansion into Canada.

Sports are not the only topical forum which highlights these limitations on expansion. Not two weeks hence, Microsoft will enter the game console market, knowing it has the financial resources to maintain the venture, much as Sony did during the infancy of the Playstation. Dreamcast and Virtual Boy's failures, however, revealed the difficulties that internal forces — the respective video game giants of Sega and Nintendo — have in creating a larger market. Their ultimate financial failure is another "contraction," this time of the video game business' independent capability.

Voting provides perhaps the most robust (if sadly less relevant to our gaming-obsessed student body) example of an internal market's inability to manifest change. Currently, the United States has institutionalized the two-party system. When citizens are voting under this system, they cannot make a true choice to act outside of it; no matter how many people write-in votes for some imagined Remington Steele independent, Steele will not become real. Once outside of the voting booth, however, citizens are free to organize themselves under Steele's banner, promote someone as fulfiller of this role, and attempt to get him on the ballot. Should he lack support, and his proponents no longer feel inclined to pretend otherwise, then comes an understandable contraction in the number of parties. Further questions of people's inability to realize they have a choice are another matter entirely.

All this is to say that neither limitations on expansion nor the corollary contractions are inherently bad things. One more example should serve to affirm this. The most prominent educational institutions in this nation tend to be those with the longest history, i.e. those least like expansion teams. If there were no problems with internal expansion, these institutions would invariably be the best at all forms of learning. Yalies would not just be among the best philosophers or jurists, but they would also overshadow the technicians and scientists of our own Institute. This, however, is not the case because Yale's reputation would experience "contraction" if Yale expanded into technical fields for which it didn't provide anything substantially better.

Many other examples exist, from television networks to the National Football League (there are always more sports metaphors). Suffice to say, expansion is not inherently bad, and neither is its opposite. Perhaps it is unfortunate that either act would transpire, but that is no more remarkable than saying it is unfortunate we are not all perfect.



Over Troubled Waters

Ken Nesmith

The Harvard Bridge, so named because it leads directly into the heart of MIT, which is near Harvard, is a long bridge — about 364.4 smoots at last measurement. As the New England cold draws closer and closer, Smoot's height seems to grow with each walk across the bridge. Every ten smoots, so conveniently marked off by the caring pledges at Lambda Chi Alpha, becomes a greater and greater distance as the temperature falls. Nonetheless, the numbers are comforting on the coldest days, when the bite of wind and freezing rain allow us little more than a peek out from our coverings at the ground as we walk.

On more temperate and even pleasant days, the demarcations reassure us that we are indeed getting farther along the bridge should we accidentally lose our thoughts of forward progress, be it on our walk across the bridge or our broader journey through MIT, amidst the sun setting over Cambridge, the lights of Fenway and the Citgo sign playing off the water, or the tall city, dotted with lights and lit by the moon.

Whatever our reason for staring at the ground as we traverse that waterway, there's plenty of sidewalk literature to keep us company, and a few drawings of sharks and the occasional mouse. Besides the evenly spaced 10-smoot marks, special marks relating to one thing or another abound; there's a pi smoot, Rebecca's smoot, and a 69 smoot. At the halfway point, bridge-goers are alerted that they are "Halfway to Hell," which is probably fairly accurate.

There is a plethora of leftist radical slogans on the bridge. Concerned citizens, at various times, have demanded that walkers "don't fuck with our food," — at which point I promptly stopped fucking with their food — and have

inquired whether we've "Got cancer?" This was an original, creative parody of the "Got Milk?" campaign, protesting the use of bovine growth hormone in the cows from where we get our milk. It didn't take long for some other dutiful citizen to ask "Got a life?" under the initial inquiry. One bridge-writer encourages us to seek peace through anarchy, and another asks us to save the trees. Yet another suggests we value human beings over profits, presenting his thoughts in rebus with a stick figure, the word before, and a dollar sign.

Concerned citizens, at various times, have demanded that walkers "don't fuck with our food," — at which point I promptly stopped fucking with their food.

The bridge has taken on patriotic colors in the past few weeks as those who enjoy communicating through sidewalks decided that patriotism deserved its own place on the bridge. The smoot marks are now colored in red, white, and blue, and a few flags dot the cement expanse. Some writings call for war, others for peace. It's a balanced forum.

In the past month, bridge-writers have churned out a few more notable pieces of work. "Flushes, you own this town," curiously reads the latest scrawling. Only a few weeks prior, Lambda Chi Alpha, the original writers, had their name besmirched in an expansive writing done in feminine tones that declared their name to be

LC Gay instead of LCA. Their newly minted slogan was to be "Carpe Puerem," Latin for "Seize the boy." Now that one of the two pillars of juvenile insult has been publicly aired on the bridge, we're all waiting for the other to follow shortly; surely before too long, this same group that alerted the bridge-crossing world to LCA's homosexuality can find a way to call someone retarded, thereby completing the twofold cycle of ignorant admonishment plaguing the ranks of the puerile and uneducated everywhere.

Urban legend has it that when the name of the bridge was to be determined, Harvard requested that it bear their name, while MIT examined the plans and, upon finding them riddled with defects, also requested that it bear the name of Harvard. I wonder if, at the outset of bridge construction, planners foresaw the use of the bridge as a forum for childish insults, inane slogans, and various other graffiti, all of which contribute to the unique sidewalk pollution.

I suspect they did not; the sidewalks aren't quite wide enough to write anything substantive or worthwhile, but what does fit does a fine job of making the long walk entertaining, if repetitively so, when we tire of looking out at the tremendous world around us and decide to put our heads down towards the ground for a while. We count with brutal precision our steps towards our goal: 30 smoots, 40, all the way to 364. In class, it's semester-long steps of 8.01, 6 whatever, and 18.0x, all the way until we're counting down the last few HASS-es we have to take.

We can almost always make it across the bridge, even on the worst days of winter. And we can almost always get through MIT, even in the worst days of this nine-month academic season. Let's try to take a glance at something other than the numbers under our feet once in a while. After all, what's at the end isn't that cool anyway.

The Sunny Side of Kappa Sigma

Guest Column

Peter J. Bluvus

When I was a freshman at MIT, one of my crew teammates, Scott Krueger, died of alcohol intoxication. This event has triggered sweeping changes in the MIT Greek system over the past four years that I have been intimately involved in. At MIT and other colleges, nationwide Greek systems have fallen under a great deal of strain and scrutiny. Stories of hazing, underage drinking, and other "Animal House" behavior dominate the media's coverage of fraternities and sororities. Rarely, if ever, is coverage focused on the positive accomplishments of these organizations. I feel that the MIT chapter of Kappa Sigma provides an excellent example of how good news about a Greek organization is often ignored by the media.

As an undergraduate at MIT I was an active member of the Phi Delta Theta fraternity. This year, as a graduate student, I am Residence Manager for Kappa Sigma. Since I accepted the Residence Manager position at Kappa Sigma in September, I have been very impressed by the state of affairs at the fraternity. The press has done a very thorough job of covering the various negative incidents which have occurred at Kappa Sigma in recent years.

But behind the scenes, in response to all of these incidents, current Kappa Sigma members and alumni, MIT administrators, the Inter-Fraternity Council, former Residence Manager Jeffrey Snyder, and the Cambridge License Commission have all been working hard to improve Kappa Sigma's viability as a mature living group. These efforts have, to my knowledge, not received any media attention, and I would like to present some of them here.

The fraternity has taken steps to promote alcohol education for its own members and for the community. Last spring, members put in over 300 man-hours volunteering at the Cambridge and Somerville Program for Alcohol Abuse Rehabilitation. In addition, Kappa Sigma held an Alcohol Awareness Seminar for its members and sponsored a workshop on High-Risk Alcohol Use on College Campuses for the MIT community. Kappa Sigma has been proactive in improving communication with the city and with MIT. Several years ago, MIT implemented a system requiring a live-in Graduate Residence Advisor for all of its living groups. Kappa Sigma worked with the city of Cambridge to expand this position, and was therefore a pioneer in defining the role of Residence Manager, which I now hold. Fraternity members also serve on the Cambridge License Advisory Board to provide a student's perspective about alcohol on college campuses.

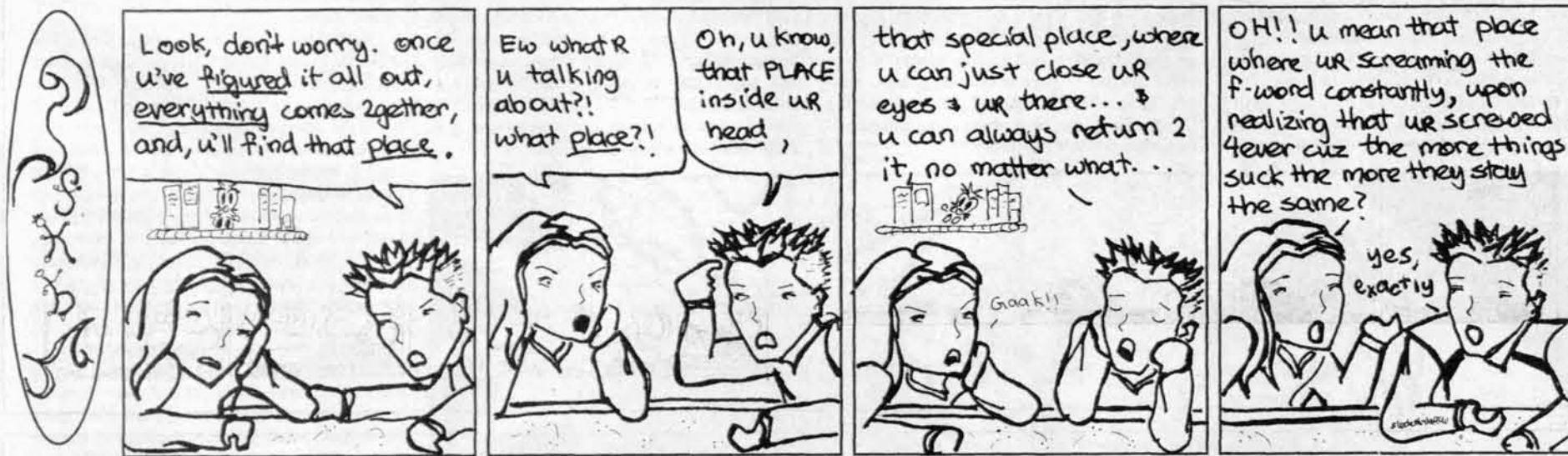
Last year, several members of Kappa Sigma worked with the city to establish the MIT Campus Alcohol Advisory Board. The objectives of this organization are to review campus alcohol policies and campus alcohol education in order to curtail underage drinking and create a responsible environment for MIT students. One member of Kappa Sigma continues to serve as co-chairman of this organization, while others attend meetings and serve on subcommittees.

The City of Cambridge has recognized the great improvements that Kappa Sigma has made. On October 16, Kappa Sigma appeared at a hearing of the Cambridge License Commission. The purpose of this hearing was not to take disciplinary action against the fraternity. Kappa Sigma had requested this appearance last June so that it could provide the city with a report on the status of its affairs. During this hearing, CLC Chairman Benjamin Barnes described Kappa Sigma as a "success story." On Thursday of that week, when the Commission voted to approve me as the new Residence Manager, he welcomed me into a "new era" for Kappa Sigma.

Kappa Sigma is taking many steps to ensure its continued development into a mature, responsible living group. City officials, school administrators, and fraternity members are all criticized by the media whenever a negative incident occurs. For a change, these people should be congratulated and thanked for their efforts. I hope readers realize that many good things are taking place at fraternities and sororities, although they probably only read about the bad ones in the newspaper.

Peter J. Bluvus is the Residence Manager for the Kappa Sigma fraternity, and a graduate student in Electrical Engineering and Computer Science.

mat solar



ONE SCREW LOOSE

Isis Sung '05



lordosis

AFGHANISTAN: A DESOLATE LANDSCAPE. IN ADDITION TO BOMBING BY THE U.S., STARVATION AND DISEASE HAVE RENDERED IT A COUNTRY DEVOID OF LIFE.



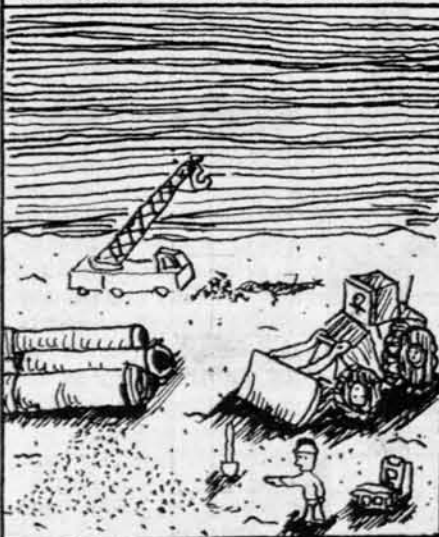
YET OSAMA MARCHES ON...



NOW IT'S UP TO U.S. EXECUTIVE LEADERSHIP TO DECIDE WHAT TO DO WITH THIS NEW PROPERTY...



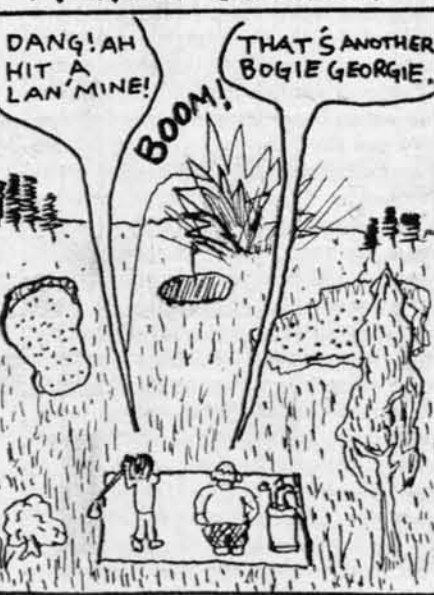
SO CONSTRUCTION BEGAN...



ON A PROJECT BENEFICIAL TO AMERICAN INTERESTS.

Dear Tanaka

A GOLF COURSE!



dtanaka@mif.edu

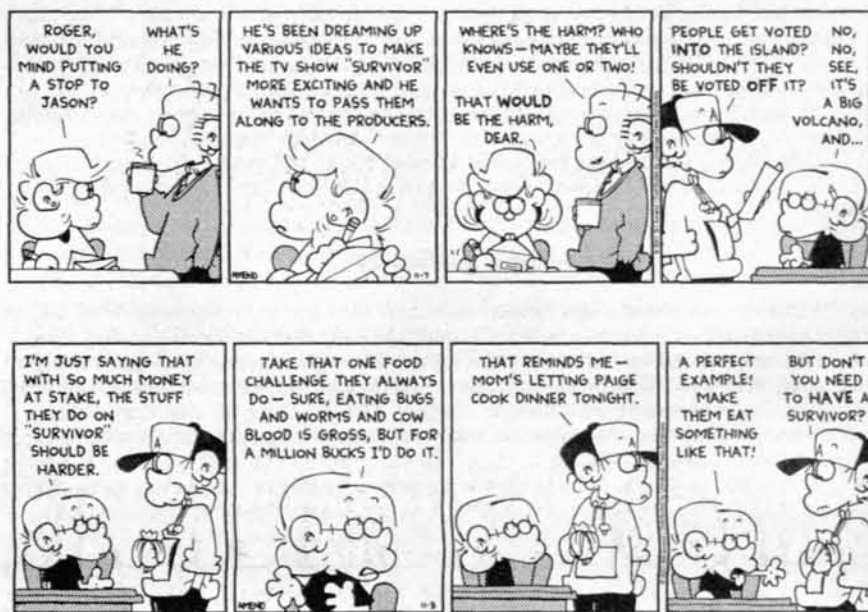
INSTITUTE MADNESS!

ALISON WONG



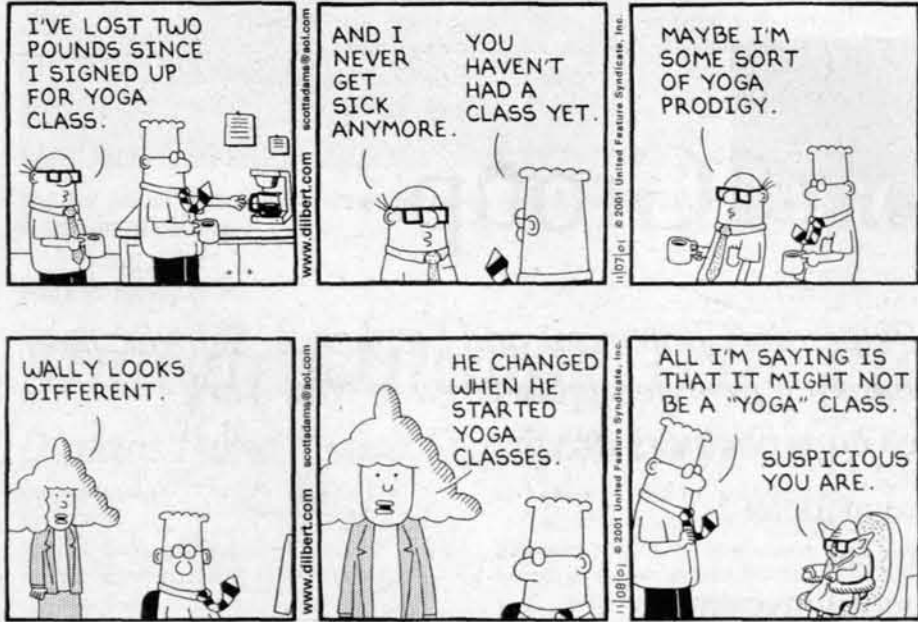
FoxTrot

by Bill Amend



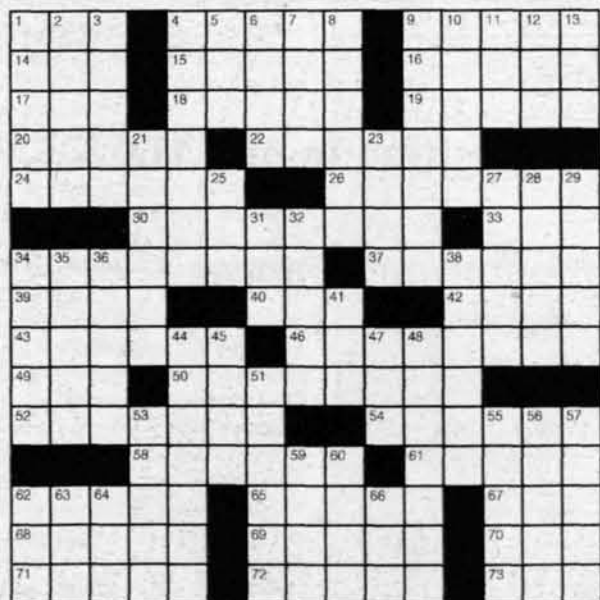
Dilbert®

by Scott Adams



Crossword Puzzle

Solution, page 17



- ACROSS**
- 1 Suitable
 - 4 Serious play
 - 9 Brilliance
 - 14 King of France
 - 15 Roof overhang
 - 16 "Jerry Maguire" director Cameron
 - 17 Important time
 - 18 Wading bird
 - 19 Rubber base
 - 20 Farm measures
 - 22 Muscle woe
 - 24 Ownership interests
 - 26 Seems
 - 30 Elements of a class
 - 33 Tatami
 - 34 Windy
 - 37 Craving
 - 39 Kent's love
 - 40 Play part
 - 42 "A Death in the Family" author
 - 43 Lead-ins
 - 46 Amen
 - 49 Skater Babilonia
 - 50 Singer Clooney
 - 52 Immense number
 - 54 Dig more
 - 58 Convert into charged particles
 - 61 Cry of appreciation
 - 62 Really mean
 - 65 Seasonal song
 - 67 Tap gently
 - 68 Cleanse
 - 69 Stiletto or dagger
 - 70 Citrus cooler
 - 71 "___ of God"
 - 72 Religious factions
 - 73 Tie the knot
- DOWN**
- 1 Quarters
 - 2 Veranda
 - 3 Small crown
 - 4 Tart or torte
 - 5 Snitch
 - 6 Rara ___
 - 7 Thaw
 - 8 Of the stars
 - 9 Fall into obscurity
 - 10 Frasier's last name
 - 11 Destiny
 - 12 Wonderment
 - 13 John Ritter's dad
 - 21 Pencil end
 - 23 Mimicked
 - 25 Fr. holy woman
 - 27 Barcelona buddy
 - 28 Fewer and farther between
 - 29 Mighty mount
 - 31 A Gershwin
 - 32 Periodical sequence
 - 34 Intense campaign
 - 35 Veranda
 - 36 Up to the time of
 - 38 Finn's friend
 - 41 ___-o'-shanter
 - 44 Baltimore birds
 - 45 Anon
 - 47 Dispirited
 - 48 Increases from four to 12
 - 51 Snips
 - 53 Feudal lord
 - 55 Yellow-fleshed fruit
 - 56 Get around
 - 57 Paid heed to
 - 59 Westerns writer Grey
 - 60 Stoltz of "Mask"
 - 62 Figs expert
 - 63 Obvious toupee
 - 64 Coffee server
 - 66 Frequently, in a poem

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, November 9

9:00 a.m. - 5:00 p.m. - **UROP's IAP Research Mentor Program -pre-UROP Application Deadline.** Any MIT underclassman (freshman or sophomore) who has never participated in a UROP is eligible to apply to become a pre-UROPper during IAP 2002. Pre-UROPing gives you the opportunity to satisfy safety requirements and gain practical hands-on lab experience in an area of interest. Interested students should submit applications via the web form located at <http://web.mit.edu/urop/preuorpp.html> or pick-up an application from 7-104 and submit it no later than 5PM, today November 9, 2001.. free. Room: 7-104. Sponsor: Academic Resource Center, UROP.

12:00 p.m. - 1:00 p.m. - **Mac OS Quick Start.** Get started with managing Macintosh applications, files, and folders efficiently. Obtain an overview of new features provided by the newest Mac operating system. . free. Room: N42 Demo Center. Sponsor: Information Systems.

3:00 p.m. - 4:00 p.m. - **Mechanical Engineering Seminar.** "A Critical Assessment of the No-Slip Boundary Condition of Continuum Hydrodynamics". free. Room: 3-133. Sponsor: ME Seminar Series.

3:30 p.m. - 5:00 p.m. - **The Human Genome and Beyond: A Lecture by Professor Eric S. Lander.** Dr. Eric S. Lander, MIT Professor of Biology and Director of The Whitehead Institute/MIT Center for Genome Research, will deliver a lecture on "The Human Genome and Beyond". Dr. Lander and his research group have developed many of the tools of modern genome research, including genomic maps of the human, mouse and rat genomes in connection with the Human Genome Project. He has applied these techniques to the understanding of cancer, diabetes, hypertension, renal failure, and dwarfism. This lecture is sponsored by The Society of Presidential Fellows, and is open to the public on a first-come, first-served basis.. free. Room: 34-101, Edgerton Lecture Hall, with reception to follow. Sponsor: President's Office, Provost's Office.

4:15 p.m. - 5:15 p.m. - **Carmichael's function.** Refreshments will be served at 3:30 PM in Room 2-349.. free. Room: Room 2-338. Sponsor: Combinatorics Seminar, Department of Mathematics.

6:00 p.m. - 7:30 p.m. - **Sharing the Gospel with International Students.** Rev. Stuart DeLorme, the FOCUS (internationals) minister from Park Street Church in Boston will speak about sharing the gospel with international students and in general. There will also be a worship time and dinner afterwards.. free. Room: Student Center, Mezzanine Lounge. Sponsor: Graduate Christian Fellowship.

7:00 p.m. - 9:00 p.m. - **Falun Gong Exercise workshop.** The Falun Gong exercise is an easy and effective way to relieve stress and improve physical and mental health. Millions of people in over 40 countries practice these 5 sets of gentle movements.. free. Room: 1-242. Sponsor: Falun Dafa Club.

8:00 p.m. - **As You Like It.** Shakespeare Ensemble production directed by Tom Garvey, music director Chris Eastburn. \$8, \$6 students. Room: Kresge Little Theater. Sponsor: Shakespeare Ensemble.

8:00 p.m. - **HMS Pinafore (or The Lass That Loved A Sailor)** \$9; \$7 MIT community, seniors, other students, children; \$5 MIT/Wellesley students. Room: Sala de Puerto Rico . Sponsor: Gilbert and Sullivan Players, MIT.

Saturday, November 10

6:30 p.m. - 9:30 p.m. - **Southeast Asian Supper.** Learn to to cook and enjoy Southeast Asian Cuisine with the Epicurean at MIT!. \$5. Room: Next House Country Kitchen. Sponsor: Epicurean, The.

7:00 p.m. - **An Evening of Balkan Poetry.** Poetry reading in the original languages: Bulgarian, English, Greek, Hungarian, Romanian, Russian, Serbo-Croatian, Turkish read in the original language with English translations. 13 performers from the Balkans, Hungary, Russia and the US. Also Balkan music, performed live and on tapes and CDs. Balkan refreshments.. free. Room: Rm 6-120. Sponsor: MIT Organization of Serbian Students (MOST).

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8:00 p.m. - 11:00 p.m. - **Patrol.** Shoot your friends! Travel to strange, new classrooms; meet interesting, unusual people; and kill them. A team game of shoot-em-up; guns provided.. free. Room: Building 36, First Floor. Sponsor: Assassins' Guild, MIT.

Sunday, November 11

1:00 p.m. - 5:30 p.m. - **Ballroom Dancing Workshops.** Beginner ballroom dance steps will be taught. There will also be a new focus on developing techniques as well. Open to everyone. No experiences necessary. No partners required. Visit our website for pricings. Room: Visit our website for venues. Sponsor: Ballroom Dance Club.

2:00 p.m. - **HMS Pinafore (or The Lass That Loved A Sailor)** \$9; \$7 MIT community, seniors, other students, children; \$5 MIT/Wellesley students. Room: Sala de Puerto Rico . Sponsor: Gilbert and Sullivan Players, MIT.

4 p.m. - **Bombay Jayashri, Carnatic vocalist.** With R.K. Sriram Kumar, violin and K. Arun Prakash, mridangam. Bombay Jayashri is a very popular artist of South India. She learned carnatic music initially from her parents N.N. Subramaniam and Seetha. Later she learned music from TR Balamani and then became a disciple of Lalgudi Jayaraman. Harnessing a facile and mellifluous voice with restraint and dignity, she presents her music with a rare charisma that attracts large audience to her concerts. She is a recipient of several awards and has traveled worldwide quite extensively giving concerts.. \$17; \$14—MITHAS and New England Hindu Temple members; \$10—students. Room: Wong Auditorium. Sponsor: MITHAS (MIT Heritage of South Asia).

7:30 p.m. - **An Evening of Prayers and Harmony.** Concert conducted by Ms Pi-Hua Chuang and accompanied by Ms. Yu-Chin Liu is dedicated to victims of Sept 11 tragedy. CCCS is working together with Organization of Chinese American (OCA)-New England Branch on fundraising for the 9/11 tragedy. Donations can be made in cash or by check at the concert. Check made payable to "911 Healing Hands/OCA" can also be mailed to Cathay Bank, 777 H. Broadway Los Angeles, CA 90012. All donations collected will be distributed by OCA to the following three relief funds: American Red Cross, the September 11 Fund administered by United Way and the Asian American Federation WTC Fund administered by the Asian American Federation of NYC. An orchestra made up of elite student musicians from The Boston Conservatory, New England Conservatory and Boston University will also make a guest appearance with CCCS to perform selections from Faure's Requiem. Other works include 16th to 18th motets: Sicut Cervus and O Magnum Mysterium; selection of Mendelssohn's choral pieces; aboriginal Taiwanese tribe music and Taiwanese folk songs, Chinese art songs, Razzle Jazzle, and selections from "Les Miserables". free. Room: Kresge Auditorium. Sponsor: MIT-Cambridge Chinese Choral Society.

Monday, November 12

5:00 p.m. - 6:30 p.m. - **"Stenting the Urinary Tract - The Past, the Present and the Future".** Part of the Robert S. Langer seminar series, Dr. Yachia, visiting from Israel, will speak on the latest research on urinary stents. free. Room: E25-117. Sponsor: Chemical Engineering.

8:00 p.m. - 12:00 a.m. - **Monday Night Football at the Ear.** Watching football at the Ear makes Dennis Miller a little more tolerable. The Thirsty Ear Pub is located in the Ashdown House basement. Enter through the courtyard. Hours: Monday: 8 pm - 12 am, Tuesday - Thursday: 7 pm - 1 am, Friday: 4 pm - 1 am, Must be over 21. Proper ID required.. Free. Room: The Thirsty Ear Pub. Sponsor: The Thirsty Ear Pub.

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Fax: 212-583-5167

THE ARTS

THEATER REVIEW

You May Like It

Shakespeare Ensemble's Latest A Mixed Bag

By Lance Nathan

STAFF WRITER

'As You Like It'

Shakespeare Ensemble

Directed by Tom Garvey '82

Starring John Hume, David Brackman '83, Stephen D. Larson '02, Rydia Q. Vielehr '04, Cat Miller '05, Geoff Pingree '83, and Josh Lifton G

As *You Like It*, the latest offering from the MIT Shakespeare Ensemble, covers a lot of ground: love and hate, rural simplicity and courtly manners, cross-dressing and professional wrestling. While many of the moments are well-played, the overall effect of the performance lacks a perfect coherence.

The play centers around a duchy ruled by the usurper Duke Frederick (Carl Kraenzel '89), who long ago banished his older brother, the rightful duke (Ken Buswell), to the nearby forest of Arden. An increasingly paranoid

Frederick now banishes his brother's daughter Rosalind (Rydia Q. Vielehr '04) as well. Frederick's own daughter Celia (Cat Miller '05) leaves with her, and they travel in disguise, Rosalind as a man and Celia as a commoner, accompanied by the court fool Touchstone (Geoff Pingree '83).

At the same time, Orlando (John Hume) flees the tyrannical household of his older brother Oliver (Stephen D. Larson '02), taking the faithful servant Adam (David Brackman '83). Orlando and Rosalind had met just that afternoon and have fallen instantly in love; now, by coincidence, they take refuge in the same forest, and Rosalind uses her disguise to instruct Orlando in the ways of love and wooing.

Clearly, this is not the deepest of love stories, and unlike *Twelfth Night* with its single plot and single subplot, *As You Like It* bounces from couple to couple — Orlando and Rosalind, Touchstone and Audrey (Brandy L. Evans '01), Phebe (Diane L.

Christoforo '05) and Silvius (Richard C. Reifsnnyder '03), with frequent digression for music or glimpses of the two courts, the one in the city and the one in exile. The script, unlike many of Shakespeare's, cannot carry the play on its own merits, and requires a uniformly strong production.

And indeed, this production has many strengths. Tom Garvey '82 brings together actors, set, lighting, and music to create a visually and aurally striking play. The starkness of the city court, with its rigid movements, confining and colorless costumes, and cold lighting contrasts with the colorful and open feel of the forest; certainly this production has no visually dull moments.

Moreover, most of the actors trans-



Duke Frederick (Carl Kraenzel '89) and his daughter Celia (Cat Miller '05) clash over the banishment of Rosalind (Rydia Q. Vielehr '04)

form their simple, one-dimensional characters into real people. This is evident from the first scene, where Hume, Brackman, and Larson provide the intensity and passion needed to draw in the audience. Kraenzel sneers his lines like an evil overlord, with a costume to match, setting the mood for the opening acts.

Unfortunately, Vielehr (and, to a lesser extent, Miller) speeds through her lines like a giddy schoolgirl, out-of-place in the city and hard to understand throughout. By the time the action shifts to the forest, and consequently to the Rosalind/Orlando relationship, Vielehr's physical abilities — a fine command of movement and facial expression — only barely save her performance, returning some of the power lost by her vocal delivery.

Similarly, while Buswell and his lords (Lisa R. Messeri '04, Alice S. Tsay '03) offer a relaxed and content image of the court-in-exile, setting the mood for the Arden scenes, this mood is nearly broken by Kraenzel's Jacques. In an unfathomable decision, Kraenzel was cast as both the evil Duke Frederick and the melancholy courtier Jacques, and apparently in an effort to differentiate the two roles, he plays the latter in an energetic and over-the-top manner. In doing so, he drains the role of its necessary gloom and turns the monologues into mere exercises in delivery; he struggles through the play's most famous speech, "All the world's a stage," as if desperate to make it interesting.

And, while the technical work serves the production well in most places, it does not do so unerringly. Phebe's costume, for instance, belongs to a stereotypical Little-Bo-Peep shepherdess, a silly deviation from the other-

wise simple clothing worn by other forest natives. Even worse, when her hair does not block her face, her shepherd's crook does.

Also disappointing was the lighting; while appropriately dim (with unfortunate warm spots) for the first act, the second act badly needed enough lighting to see clearly. Instead, the actors stood in half-shadows, reminiscent of trees, but more frustrating than mood-setting.

Fortunately, the second act was mostly rescued by the cast — particularly Hume in his scenes with Vielehr, and Pingree, whose Touchstone is genuinely amusing and supplies a frantic energy missing from many of the other scenes. Luckily, Pingree is well-supported; for instance, Evans' Audrey and her suitor William (Jeremy T. Braun '02) display the rustic honesty and simplicity required to set off the refined manners of the courtiers.

Rescued, at least, until the end. Shakespeare rushes to tie up all the loose ends with a *deus ex machina*, literally, in the form of Hymen (Jessica E. Hinel '03), and figuratively, in the religious conversion of the evil Duke — and the play ends on a long dance and an epilogue from Rosalind. It's a weak ending, weakened by uninspiring choreography and a low point in an otherwise excellent score from composer Chris Eastburn.

In the final analysis, the production does have its fine moments and strong performances. It is by no means unpleasant or disappointing; but at the same time, it is held back from excellence. When Rosalind complains in her epilogue that she "cannot insinuate with you in the behalf of a good play," it's hard to completely disagree with her assessment.



JAMES CAMP—THE TECH

The fool (Geoff Pingree '83) lectures the rustic (Kim A. Falinski '02) in matters of philosophy.

MOVIE REVIEW★

Muddled Humor, Trite Plot Make A Bust of 'Heist'

Director David Mamet Should Stick to Prisoners

By Jed Horne

STAFF WRITER

Rated R for language and violence

Written and Directed by David Mamet

Starring Gene Hackman, Danny DeVito, Delroy Lindo, Sam Rockwell and Rebecca Pidgeon

After sitting through David Mamet's latest production, *Heist*, I felt that the title was appropriate. A waste of time doesn't begin to describe this turkey. My time was stolen.

When aging thief Joe Moore (Gene Hackman) is caught on tape during what was to be his last robbery, he has no choice but to take one more assignment from his fence, Bergman (Danny DeVito). The condition: Bergman's nephew (Sam Rockwell, *The Green Mile*) has to come along for the job. Will Joe and his partner Bobby Blane (Delroy Lindo, *Get Shorty*) outsmart Bergman and his nephew? Will Joe's wife (Rebecca Pidgeon, *State and Main*) dump him for the younger stud?

What does one do with a trite, anemic setup? Well, in this case, not much. A few lame one-liners and quips, maybe? ("What makes the world go round? It's love. Love of gold." That one was even advertised on the movie's web site.) An unintelligible and improbable series of plot twists and double crosses that don't really matter because nobody in the theatre really believes that Joe

isn't going to win? Some explosions?

The only excitement experienced at this screening was in trying to guess whether the moron in the projection booth would screw up the sound or the alignment of the projector. I think he did both two or three times.

This movie isn't bad. I've seen plenty of bad movies before, and this one doesn't

come close to topping the list. The tragedy is the stupefying waste of talent. I mean, David Mamet is a respectable director! And Gene Hackman and Danny DeVito are respectable actors!

So what went wrong? My best guess is that this was a feckless afterthought of Mamet's, a sort of "let's try to mix the sus-

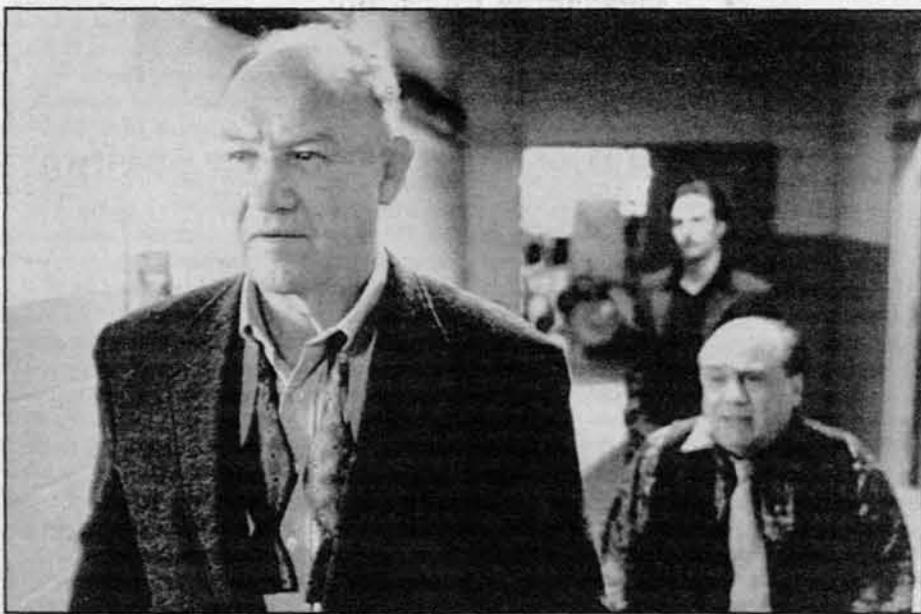
pense of the *Spanish Prisoner* and the laugh-at-ourselves tongue-in-cheek of *State and Main*, and see what happens." Again, not much. A resounding plop.

Come to think of it, I couldn't tell whether the movie was tongue-in-cheek, or just bad. An elaborate joke, maybe? If it is, then it wasn't a very good one. I sure wasn't laughing.

Case in point: the bloody shootout near the end of the movie. Was Mamet really trying to be funny? See, if the rest of the movie weren't so dumb, I would have found a sudden, Stallone-style shootout ironic. It would be out of place, like in *The Spanish Prisoner*, a good movie.

Unless you get a kick out of watching midgets die, this scene is worth skipping. Maybe Mamet just hates wee folk. DeVito isn't getting any taller—or funnier, for that matter. You'd think that after years of doing respectable and entertaining movies like *Get Shorty* and *Hoffa*, he'd be able to get a better agent. It seems like he's typecast for a particular role these days—short and sleazy.

Speaking of sleazy, if Mamet thinks a discerning audience will turn up for his movies simply because they have his name attached to them, he's dead wrong. I guess I can't complain since I didn't have to pay to see it, but I suggest that any people who don't want to feel cheated keep their eyes on their wallets next time they go to the movies. Don't let *Heist* rip you off.



TAKASHI SEIDA

Gene Hackman and Danny DeVito star in this season's latest dud, *The Heist*.

MUSIC REVIEW

The New State of Affairs

Bush's Latest Attempt Still Captures Old Spirit

By Ricky Rivera

STAFF WRITER

In 1994, four guys from England took over American rock radio. The band was called Bush, and their album was *Sixteen Stone*. Seven years later, *Golden State* emerges as the newest attempt to recapture the nation's airwaves.

Bush has tried to re-invent themselves on each album, but they never lose the sound that distinguishes them from other bands. 1996's *Razorblade Suitcase* saw Bush try to achieve a more gritty sound by bringing in Steve Albini of *In Utero* fame. *Science of Things* in 1999 brought drum and bass samples and a slightly electronic sound to Bush fans. Despite their best efforts, both of these are distinctly Bush-sounding albums, albeit a bit distinct. *Golden State* is no exception.

Although it doesn't stray too far from the standard Bush formula, *Golden State* does show new depth and maturity from the band. Perhaps the less-than-stellar success of *Science of Things*, which dropped them from mainstream for a while, gave Rosedale some time to go back to the drawing board, so to speak. *Golden State* is reminiscent of the first two albums, and the simple cover art suggests that Bush is going back to basics on this one. It's an idea that's so crazy it works.

The first single, "the People that We Love," has all the classic elements that worked so well in the songs of early-nineties Bush. Loud guitars, Gavin Rosedale's signature singing, and the kind of repetition that made "Machinehead" such an easy song to remember make this track a wise choice as a single.

Even nicer than the fact that "the People that We Love" is a good track is that it is not the only good track on the album. "My Engine is With You" takes a page from the punk handbook, and gives it a bit of a Bush twist. Rosedale opens "The People That We Love" with the repetition of "Speed Kills," yet he seems to totally disregard his own advice on

this track. A blaze of guitar, drums, and rapid-fire vocals, "Engine" packs a lot of energy into two-and-a-half minutes.

If blistering speed isn't your thing, fear not; there is more to *Golden State* than ultra-fast post-grunge rock. Like their three previous albums, *Golden State* has its fair share of memorable slow songs. "Inflatable" is more than just another "Glycerine." It's an intimate ballad that will likely find itself in heavy rotation among radio stations in the near future.

Another noteworthy ballad is "Out of this World." It doesn't have the same acoustic feel

can be found scattered throughout the album. This is characteristic of most Bush songs. According to guitarist Nigel Pulsford, the group generally writes lyrics which reflect their emotions rather than making an intelligible string of words. Rosedale and company tend to write ambiguous lyrics because they feel more people can relate to them.

Although some may have been put off by their recent foray into electronica, this is not an album that should be treated with prejudice. Fans who were disappointed with *Science of Things*, and even *Razorblade Suitcase* should give *Golden State* a try. Even though it is unlikely that it will produce as many hit singles as the multi-platinum *Sixteen Stone*, *Golden State* is full of quality tracks that Bush fans old and new will enjoy. More than just a re-hashing of old material, it is a well made, well written, and well thought out album.

Bush received much criticism in the early



Bush — Nigel Pulsford (left), Robin Goodridge, Gavin Rosedale, and Dave Parsons — reaches its own veritable golden age.

as "Inflatable," but instead is driven by a sort of musical minimalism and an interesting drum beat. "Float" is one of those tracks that lingers somewhere between the intensity of "Engine" and the calm nature of "Inflatable." There are a few other songs on the album that may be placed in the same category. "Headful of Ghosts" is one such song. It also holds some examples of another Bush staple: lyrics which border on nonsense. Lines like "you breathe life when you break the walls down"

nineties due to the fact that they were seen as Nirvana wannabes. While they still retain much of the grunge sound that Nirvana made famous, *Golden State* shows a band which is growing and getting comfortable in their musical abilities. Bush has managed to survive the post-grunge shake-out which left many bands in the cold. *Golden State* brings Bush into the new millennium while simultaneously looking back on the past, and the result is a solid rock album that won't leave Bush fans behind.

MOVIE REVIEW

Li's The One

Acting and Plot Aside, Fights and Effects Amaze

By Daniel S. Robey

ASSOCIATE ARTS EDITOR

Directed by James Wong

Written by Glen Morgan and James Wong

Starring Jet Li, Delroy Lindo, and Jason Statham

Rated PG-13

Imagine a world where America is ruled by president Gore. A world where San Francisco is the cleanest city in the United States. A world filled with gladiators fighting to stay alive. Now imagine being able to travel between these worlds. In *The One*, people have found a way to travel between parallel universes, allowing for commerce, mixing of ideas, and interdimensional murder.

The One amazes with its fight scenes and special effects, but falters due to weak directing and acting. Well-choreographed fight scenes float between choppy plot devices. Characters in the film are shallow and lifeless, and viewers will find it hard to care about their problems. The film's energy fuels only the intense fight scenes, leaving all else pointless and empty.

Due to bizarre laws of physics, when a denizen of the "Multiverse" is killed by a version of himself from another universe, his energy is distributed between his remaining selves. Yulaw, a former Multiverse policing agent, is killing off his other selves one by one, becoming more powerful each time. Once all his other selves are dead, Yulaw will become godlike. He has killed all but one, Gabe, a police officer of our universe who also has grown in strength and speed with each death.

Two Multiverse agents go to capture Yulaw, but when their mission fails, they must kill both him and Gabe, because the balance must be preserved. Drawing upon the energy stolen from the others, Yulaw accomplishes mind-bending feats of superhuman strength and speed. At one point, he knocks two police officers into the air, and hits each twice before he falls to the ground.

When Yulaw fights, the world goes into accelerated bullet-time, while he remains close to normal speed. Imagine blows that break metal while flying at three times the speed of a normal human. Yulaw even picks up motorcycles and uses them as weapons.

The One uses cliché plot devices which serve merely as a backdrop for the amazing fight scenes. Acting skill is minimal, especially on Li's part, and much of the drama on the screen requires a stretch of imagination. As in many other martial arts movies, everything is taken away from Gabe, priming him for the final fight and leaving him with nothing to live for but revenge. Obvious clues are dwelt on for far too long. Viewers will understand at a glance that the mark Gabe's wedding ring left behind as he removed it will be important later in the film, but the director lingers on Gabe's fingers until the image grates away at viewer's minds.

Many details in the film seem contrived, and weaken the plot rather than draw it together. Some explanations of the science fiction aspects of the movie could have been better thought out. Multiple questions arise, but are never addressed. The viewer never quite understands why the agents have to kill both Gabe and Yulaw, and we never know exactly what would happen if only one of them were to die. Yulaw at one point describes people as buckets for the energy, and says that he is just moving all the wasted energy into one place. Where the energy would go after a natural death is a mystery.

Scientific inconsistencies aside, the plot is simply a vehicle for new technologies in the martial arts movie industry. The final fight between Gabe and Yulaw is breathtaking. The scene required an entire month to film, and involves the extensive use of body doubles and computer graphics. It really appears as if Jet Li is fighting himself, and performing impossible acts of strength and speed. Halfway through the scene, something in the room explodes, sending sparks flying. The two continue fighting at a super speed, while the sparks, still in normal time, slowly fall to the ground around them.

The One's acting and plot fail, but it dazzles with cutting-edge special effects and well-coordinated fight sequences. If viewers want drama and subtle storylines, they should look elsewhere, but if they want action sequences that astound, *The One* delivers.

MUSIC REVIEW

Ozzy is Back

But Should He Be?

By Sandra Gonzalez

Ozzy Osbourne's brand new solo album, *Down to Earth*, is his first album in six years. Although it took him six years to write, compile, and produce, he really should have taken longer.

When Black Sabbath was searching for its identity over 30 years ago, guitar player Tony Iommi said to Ozzy, "Isn't it peculiar that people pay money to see horror movies? Why don't we start writing scary music?" And Black Sabbath was born. Ever since, the group's guitar and background music have been excellent and unique, but cluttered by Ozzy's strange and ear-piercing voice.

Ozzy commented on his rise to stardom on the multimedia portion of *Down to Earth*. "It seems like yesterday that we were walking down the street and saying to each other, I wonder if we will ever make it, and here we are thirty years later. I swear to you it's gone by like a flash."

With insightful songs like "Gets Me Through" and "Dreamer," Ozzy shows his more private side. He quietly attempts to combat his fantastic image of being the antichrist, but alas, to no avail. He is still the same demoniacal figure we've seen on stage, biting off heads of chickens.

Interestingly enough, old and young alike can appreciate Ozzy's music. Ozzy's amazing following of young people shows his transformation from Black Sabbath to modern music, but still, remnants of the old school style can be heard in his music. In fact, the background singing and chord progressions of "That I Never Heard" is reminiscent of the Beatles' *Magical Mystery Tour*.

Even the sixth track, "You Know ... (Part I)" begins just like an Electric Light Orchestra song. It seems that Ozzy ran out of ideas and inspiration for songs, and just decided to rip off other bands. Ozzy says in "You Know ... (Part I)," "Tried to be a good father, sorry if I

made you cry." Lines like this make you wonder really what kind of person Ozzy is aside from the image he portrays to the public.

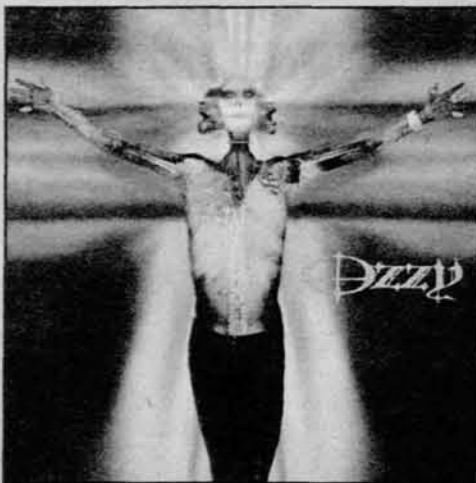
Ozzy has fueled the idea that he is evil, but in a Sundance 2001 Interview for the *Colorado Daily*, Ozzy commented that at the end of every show he asks all concert goers, "If you've been drinking or using dope, please make sure you get somebody around to drive you home, or leave your car and get a cab, 'cus I want to come back next year and do this again." I suppose it's the image that sells the records, and not the fact that Ozzy has grown up at the age of 52. Like many of the other Beatles-esque songs on the album, "Running out of Time," reflects his maturation as a singer and a man to create a conglomeration of styles and produce the best song on *Down to Earth*.

At times, this CD reflects the evil nature of Ozzy, yet the third track on the CD, entitled "Dreamer," seems vaguely hypocritical as it strives to convey deep emotion and dreams through artificial means. For all the emotion and sentimentality that Ozzy possesses, he can't ever fully convey it because of his cold voice. This track reminded me of Kid Rock's song, "Only God Knows Why" — another futile attempt at an "emotionally charged" song.

I'll admit, Ozzy isn't a stellar role model, but he has certainly been a role model for other bands. Being around for 30 years and beginning an entire genre of music is deserving of some idolizing. Slipknot's lead singer, Corey Taylor, even went as far as to say, "Everything everyone's doing is basically ripping off Back Sabbath anyway because I always figured that they already wrote every good song. So thanks for not suing all of us for stealing your songs."

Rolling Stone's David Fricke went so far as to say, "Ozzy Osbourne is the most sentimental man in metal - and tough enough to let it show in 'Gets Me Through' and 'Dreamer,' the two best songs on *Down to Earth*." If these are the best songs Ozzy has to offer, the bands that Ozzy has spawned such as Slipknot, Disturbed or System of a Down are far better than he is.

For diehard Ozzy fans, *Down to Earth* reflects a certain amount of maturity and wisdom, and would definitely compliment a collection of Ozzy albums, but for those of us who crave the modern day hardcore heavy metal without the piercing sounds of Ozzy's voice, the money spent on *Down to Earth* would be better spent elsewhere.



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: *Spin Cycle*. Prog. house, 80s. \$12, 19+; \$10, 21+.

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: *Avaland*. 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: *Pure*. Drum and bass, guest DJ. \$15, 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/hse. + New Wave. \$15, 19+; \$10, 21+.

Popular Music

Axis
13 Lansdowne St., 617-262-2437
Next: 423-NEXT

Nov. 9: Social Distortion.
Nov. 10: Damian Marley.
Nov. 11: Suicide Machines.
Nov. 17: AFI.
Nov. 24: Flogging Molly, Bouncing Souls.

Avalon
15 Lansdowne St., 617-262-2424

Nov. 9: Iggy Pop.
Nov. 10: Tantaric.
Nov. 12: Sisters for Hip-Hop and Soul Tour (India.Arie)
Nov. 14: Slayer.
Nov. 16: Saves the Day.
Nov. 17: Stephen Malkmus and the Jicks.
Nov. 20: Echo and the Bunnymen and Psychedelic Furs.

Berklee Performance Center
Berklee College of Music
1140 Boylston St.
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 747-8820.
Nov. 11: Cesaria Evora.
Nov. 14: Suzanne Vega.
Nov. 16: Whispers.

Club Passim
47 Palmer St., Cambridge, 617-492-7679
Tuesdays: Open Mic at 8 p.m. (sign up at 7:30). \$5.
Nov. 9: Nerissa & Katryna Nields.
Nov. 10: Cliff Eberhardt.
Nov. 11: The Mammals.
Nov. 23: Bob Franke.
Nov. 26: Jeff Robinson.
Nov. 29: Jenny Reynolds, Eleni Kelakos.
Nov. 30: Grey Eye Glances.

On The Town

A weekly guide to the arts in Boston
November 9 - 15
Compiled by Fred Choi

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

FleetCenter
Ticketmaster: 931-2787.
Nov. 24: Bob Dylan.
Nov. 25: Pavarotti.

The Middle East
Central Square, 354-8238
Ticketmaster: 931-2787.

Nov. 11: Rahzel.
Nov. 12: Sweep the Leg Johnny, Ivory Coast, dead Meadow.
Nov. 15: The Noise Conspiracy, the Hives.
Nov. 17: The Real Kids, John Surette & the Deniros, Dave Aaronoff & T.
Nov. 19: Tomahawk.
Nov. 20: Schatzi, Liars Academy.
Nov. 20: Sloan, Ultimate Fakebook.
Nov. 28: Radiant Storm King, Stereobate.
Nov. 29: Ili Kings, Joshua Taylor & Special Guests, DJ Black Finger.
Nov. 30: Wheat; Matt Pond.

Orpheum Theatre
1 Hamilton Pl., Boston, 617-679-0810
Ticketmaster: 931-2787

Nov. 14: Cake.
Nov. 15: Isley Brothers, Ronnie Spector.
Nov. 16-17: Jack Johnson.
Nov. 18: Ricardo Montaner.
Nov. 20: Queensryche.

Sanders Theatre
45 Quincy St., 02138, 617-496-2222

Nov. 17: Folk Concert With Cris Williamson.
Nov. 24: Capitol Steps.

Jazz Music

Regattabar
Concertix: 876-7777
1 Bennett St., Cambridge 02138, 617-662-5000
Call for schedule.

Scullers Jazz Club
DoubleTree Guest Suites, 400 Soldiers Field Rd., Boston, 617-562-4111
Nov. 9-10: Mose Allison.
Nov. 13: Avishai Cohen & The International Vamp Band.
Nov. 14-15: Bamboleo!
Nov. 16-17: Pieces of a Dream.
Nov. 20: George Russell Jr. Trio.
Nov. 27-28: Orquesta Aragon.
Nov. 29: Count's Jam Band Reunion.
Nov. 30: John Pizzarelli Trio.

Classical Music

Boston Symphony Orchestra
Tickets: 266-1492.
Performances at Symphony Hall, 301 Massachusetts Ave., Boston, unless otherwise noted. For MIT students, visit web.mit.edu/arts/general/BSO.html for more information on how to get tickets. Nov. 14 at 7:30 p.m. (rehearsal), Nov. 15, 17, 20 at 8 p.m., Nov. 16 at 1:30 p.m. Wagner: Overture to *Das Liebesverbot*; Schoenberg: Suite in G for Strings; Shostakovich: Symphony No. 13 in B-flat minor, Op. 113; Babi Yar, for bass, men's chorus and orchestra. Gennady Rozhdestvensky, conductor; Sergei Aleksashkin, bass; Men of the Tanglewood Festival Chorus, John Oliver, conductor. Pre-concert talk given by Harlow Robinson,



CLEO SULLIVAN

Catch Poe at the Paradise Rock Club next Wednesday — we can't guarantee she'll sing "Angry Johnny" but she'll blow you away; \$13.

Northeastern University, an hour prior to the performance in Symphony Hall. Free to performance ticket holders.

Quincy Market Place, Faneuil Hall, Upper Rotunda, Boston. Admission \$10-\$8 (weekend prices vary). Call 248-9700 for more information and a complete schedule.

Theater

Stomp
Nov. 13 through Nov. 23 (Tue.-Fri. at 8 p.m. except for Wed. Nov. 14 at 7 p.m., and Sat. Nov. 17 5 and 9 p.m., and Sun. Nov. 18 2 and 7 p.m.), at the Wilbur Theatre (246 Tremont St., Boston, 617-423-4008. Take the Green Line to Boylston). The National Tour of the now-famous fun (and loud), percussive, rhythmic comedy performance hits Boston. Tickets \$50-\$23. Visit ticketmaster.com for tickets.

The Baker's Wife
Nov. 15, 16 at the John Hancock Hall. Concert performance of Stephen Schwartz's show. Featuring Judy Kuhn (*Chess*, *Sunset Blvd.*) as Genevieve, and Michael Kreutz as the baker. These performances will be accompanied by the full orchestration (onstage) and will include a staged reading directed by Rick Lombardo of Boston's New Rep Theatre. Musical direction by Michael Joseph. Tickets are available through Ticketmaster (617-931-2787). Visit www.musicalschwartz.com/the-bakers-wife.htm for more information.

Othello
Nov. 23 to Jan. 17, 2002 at the Loeb Drama Center. Russian director Yuri Yermine returns to stage Shakespeare's riveting study of jealousy and revenge. Visit www.amrep.org/othello for a complete schedule or to reserve discount tickets online, or call 617-547-8300. Tickets \$61-\$28.

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 showcases big-name, national comedians on weekends and up-and-coming local talent during the week. At 245

Blue Man Group
Charles Playhouse, 74 Warrenton Street, Boston, indefinitely. Curtain is at 8 p.m. on Wednesday and Thursday, at 7 and 10 p.m. on Friday and Saturday, and at 3 and 6 p.m. on Sunday. Tickets \$35 to \$45. Call 426-6912 for tickets and information on how to see the show for free by ushering.

Exhibits

Isabella Stewart Gardner Museum
280 The Fenway, Boston. (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. (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, otherwise \$10, \$8 for students and seniors, children under 17 free; \$2 after 5 p.m. Thurs.-Fri., free Wed. after 4 p.m. Mon.-Fri.: introductory walks through all collections begin at 10:30 a.m. and 1:30 p.m.; "Asian, Egyptian, and Classical Walks" begin at 11:30 a.m.; "American Painting and Decorative Arts Walks" begin at 12:30 p.m.; "European Painting and Decorative Arts Walks" begin at 2:30 p.m.; Introductory tours are also offered Sat. at 11 a.m. and 1:30 p.m. Per-

manent Gallery Installations: "Late Gothic Gallery," featuring a restored 15th-century stained glass window from Hampton Court, 14th- and 15th-century stone, alabaster, and polychrome wood sculptures from France and the Netherlands; "Mummy Mask Gallery," a newly renovated Egyptian gallery, features primitive masks dating from as far back as 2500 B.C.; "European Decorative Arts from 1950 to the Present"; "John Singer Sargent: Studies for MFA and Boston Public Library Murals." Gallery lectures are free with museum admission.

Museum of Science
Science Park, Boston. (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. Ongoing: "Discovery Center"; "Investigate! A See-For-Yourself Exhibit"; "Science in the Park: Playing with Forces and Motion"; "Seeing is Deceiving." Ongoing: "Friday Night Stargazing," Fri., 8:30 p.m.; "Welcome to the Universe," daily; "Quest for Contact: Are We Alone?" daily. Admission to Omni, laser, and planetarium shows is \$7.50, \$5.50 for children and seniors. Current Laser Light shows: *Laser Beastie Boys*, *Laser Ragefest 3*, *Laser Pink Floyd: Dark Side*, *Laser Aerosmith*.

Other

The Nutcracker
Nov. 23 through Dec. 30. At the Wang Theatre, 270 Tremont St. (T Green Line to Boylston). Boston Ballet's 2001 Nutcracker brings captivating choreography, lavish scenery, special effects and costumes. Filled with the wonder and magic of the holidays, The Nut-

cracker follows a young girl named Clara on her dream adventure. The ballet is set to the music of Tchaikovsky and is choreographed by Bruce Marks, Anna-Marie Holmes, Sydney Leonard, and Daniel Pelzig. Tickets \$65-\$14. Visit www.bostonballet.org for more information.

Stephen Kellogg

Wed., Nov. 28 at 8:30 p.m. Catchy tunes from local folk musician. At the House of Blues in Harvard Square (96 Winthrop St.), with full band, with Rane, 18+. For more information, call 617-497-2229. Tickets \$8. To buy tickets online visit www.stephenkellogg.com or www.hob.com/venues/clubvenues/cambridge.

The Films of Frederick Wiseman

The Museum of Fine Arts offers a complete retrospective of Wiseman's 31 documentaries, every Saturday, through April 14, 2002. At the Remis Auditorium Museum of Fine Arts, Boston, 02115 unless otherwise noted. For tickets and more information, call 369-3770. Tickets are \$8, \$7 MFA members, seniors, students.

Nov. 17 at 10:30 a.m.: *Manoeuvre* (1979, 115 min.) Every fall NATO conducts manoeuvres in Western Europe. One purpose of these war games is to test how quickly and effectively U.S. reinforcements can come to the aid of NATO forces stationed in Europe. *Manoeuvre* follows an infantry tank company from the U.S. through the various stages of the training exercise in West Germany; the defensive and offensive tactics, and the hypothetical wins and losses are seen from the point of view of a company fighting a simulated, conventional, non-nuclear ground and air war.

Iranian Cinema: New Directors, New Directions

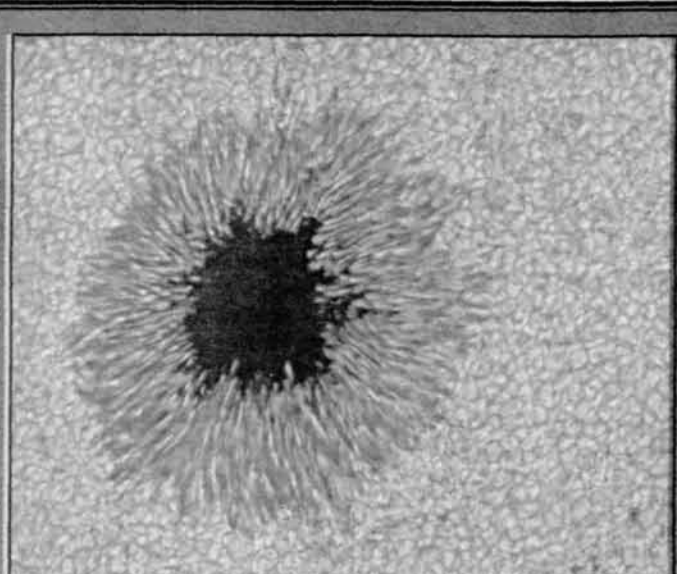
Through Nov. 14: The Harvard Film Archive presents a selection of Iranian films. The best first film awards won at prestigious international film festivals last year for such works as *A Time for Drunken Horses*, *Djomeh*, *The Day I Became a Woman*, and *Daughters of the Sun* are testament to Iran's status as an important reservoir of fresh filmmaking talent in contemporary world cinema. Curated by film professor Jamsheed Akrami. The festival includes screenings of *Divorce Iranian Style* (Nov. 10 at 7 p.m. and Nov. 12 at 9 p.m., Dir. by Kim Longinotto and Ziba Mir-Hosseini, UK/Iran 1998, 80 min. Farsi with English subtitles) and *One More Day (Yek Rooz Bishtar)* (Nov. 9 at 7 p.m., Nov. 14 at 9:45 p.m., Dir. by Babak Payami, Iran 2000, 75 min. Farsi with English subtitles). In *Divorce Iranian Style* the stories of three strong-willed women unfold in a small Tehran courtroom as they employ reason, charm, pleas for sympathy, anger, and even a disarming wit to win what they each desperately need — a divorce. In *One More Day* Payami examines the quiet, undeclared relationship that gradually develops between a man and a woman who see each other every morning at a bus stop. All festival films will be screened at Harvard Film Archive, located at the lower level of the Carpenter Center for the Visual Arts, 24 Quincy St. Cambridge. Tickets \$7, \$5 students, seniors. Tickets may be purchased at the Harvard Box Office, located at Holyoke Center Arcade, 1350 Massachusetts Ave., Cambridge, Mass. For ticketing info, call 617-496-2222 or TTY: 617-495-1642. Visit www.harvardfilmarchive.org for a complete schedule or call 617-495-4700.

A Studio of Her Own: Women Artists in Boston 1870-1940

Through Dec. 2, 2001, at the Museum of Fine Arts. This exhibit presents over eighty of the finest paintings, sculpture, and decorative arts created by women at the turn of the last century. Drawn equally from the MFA's holdings, other museums and institutions, and private collections, the exhibition includes works by over forty artists. While some of them are well known, like Lillian Hale and Anna Vaughn Hyatt, many others remain uncelebrated. No matter the level of their fame, their art represents an aesthetic achievement of great significance and beauty.

FRED'S PICK OF THE WEEK
Jacqueline Kennedy: The White House Years
Through Feb. 28. At the John F. Kennedy Library, Columbia Point, Dorchester, MA. Using the Kennedys' path to the White House as a framing device, Vogue editor Hamish Bowles presents outfits along with related material. Photos of events and appearances are blown up, and correspondence with designers proves that Kennedy's seemingly effortless grace was part of an overall exacting attention to detail. Open most weekdays and weekends 9 a.m. to 5 p.m. Admission \$15-\$8. May be crowded.

SCIENCE & TECHNOLOGY



WHAT LIES BENEATH. Stanford scientists think they've finally found what's at the root of sunspots.

SCIENCE ROUNDUP

Researchers Produce First Clear Look at Sunspot Core

Analysis of sound waves inside the sun has provided a Stanford-based research team with a detailed image of the inner core of a sunspot. The first observation of the actual dynamics of sunspots just below the visible surface, the study sheds light on the origin of the planet-sized dark solar regions.

Findings reveal fast-moving, downward streams of hot plasma — flows of electrically charged gas — converging into a gigantic vortex that penetrates the surface of the sun. The plasma flows travel toward the interior of the sun at speeds of about 3,000 miles per hour, and create a self-reinforcing cycle that holds the region together.

To chart the interior of the sunspot, researchers used data obtained from the Michelson Doppler Imager (MDI) onboard the Solar and Heliospheric Observatory (SOHO) — a research satellite positioned approximately one million miles from Earth. Using a technique known as helioseismology, the MDI maps the solar interior by measuring the velocity of sound waves passing through the sun.

Sunspots, which are active magnetic regions often accompanied by powerful solar storms, can disrupt radio communications, power grids, and orbiting satellites.

— Nancy L. Keuss

Carbon Nanotubes Channel Water Despite Hydrophobic Core

Researchers at the National Institutes of Health and the University of Maine have determined that water molecules can enter the hydrophobic core of carbon nanotubes. Through the use of relatively long-scale computer simulations, this research could lead to a fundamental understanding of biological pore mechanisms.

As reported in the journal *Nature*, when the strengths of van der Waals' interactions between water molecules and the carbon atoms constituting the tube are compared, it is energetically favorable for the tubes to accommodate five-molecule, single-file columns of water.

Furthermore, researchers write, "we observe pulse-like transmission of water through the nanotube. These transmission bursts result from the tight hydrogen-bonding network inside the tube, which ensures that density fluctuations in the surrounding bath lead to concerted and rapid motion along the tube axis."

The interaction is unstable, however, as conditions are slightly less than favorable. The water molecules rarely enter the cavity of the nanotube. Research shows that a reduction of the interaction's energy well from -0.114 kcal/mol to -0.065 kcal/mol renders the tube pore virtually free of any water molecules.

The work is relevant not only to the booming field of carbon nanotube research, which has generated considerable excitement over its electrical properties, but also to further molecular dynamics studies of other water-filled pores of similar size, such as membrane-spanning ion-channel proteins and aquaporins.

— Shankar Mukherji

Operation Marks Fifth Artificial Heart Implant

A Philadelphia patient is the world's fifth recipient of a self-contained artificial AbioCor heart.

Dr. Louis E. Samuels of the Hahnemann University Hospital, who performed the operation on Monday, said that the plastic-and-titanium heart was performing flawlessly, though the patient was experiencing pulmonary distress requiring external oxygenation support.

The AbioCor device is for critically ill heart patients — people whose hearts are destroyed, which includes 50,000-70,000 Americans annually. A completely internal device, the AbioCor comes with a pack of rechargeable batteries about the size of a VCR tape which are worn about the waist. These power the heart by transmitting current through the skin without wires. The battery can be recharged by plugging it into an AC outlet, which gives the patient freedom to move about.

The self-contained mechanical hearts, implanted in five patients thus far, are made by Danvers, Massachusetts-based Abiomed Inc. The U.S. Food and Drug Administration granted permission for five of the devices to be used in initial clinical trials. The first heart recipient underwent the operation on July 2, and is reported to be doing well.

— Nancy L. Keuss

BOOK REVIEW

The Ancient Art of Biotech

Sue Hubbell Examines the Roots of Genetic Engineering

By Izzat Jarudi

STAFF WRITER

Written by Sue Hubbell
Published by Houghton Mifflin
\$25.00

Successful engineers don't always have to know a lot of science. Ancient and medieval mechanical engineers didn't need Newtonian mechanics to design useful machines like catapults. Similarly, as beekeeper Sue Hubbell explains in *Shrinking the Cat*, ancient and medieval genetic engineers didn't need Mendelian genetics to breed useful domesticated plants and animals like corn and cats.

You don't have to be a geneticist or beekeeper to appreciate our long history of "fiddling" with the genes of other species through selective breeding. But in times when the science of genetics has expanded the engineer's toolbox to the point that she can alter those genes "more precisely, more directly, and more quickly than in the past," history has been eclipsed by the both promising and troubling potential of modern meddling. It is Hubbell's noble mission to give us perspective on these difficult scientific and societal issues by reminding us that genetic engineering is nothing new to "the fiddlingest animal the world has ever seen."

Hubbell begins by arguing that we have always been reshaping our world and the life in that world. Consider agriculture, whose development fueled the rise of civilization. According to Hubbell, the selective breeding in agriculture that led to the evolution of crops like corn, squash, and sweet potatoes is nothing more than genetic engineering in disguise: "the human creation of new botanical species whose genetic structures are distinct from those of their wild ancestors."

Corn, for example, was developed by early Native Americans who tinkered with wild teosinte for

thousands of years, until it became domestic corn. All these early farmers did was select "certain plants, some of which were mutants, that produced unusually good things to eat and save their seeds to plant again." Repeating the process again and again, they were able to create dependable and productive crops.

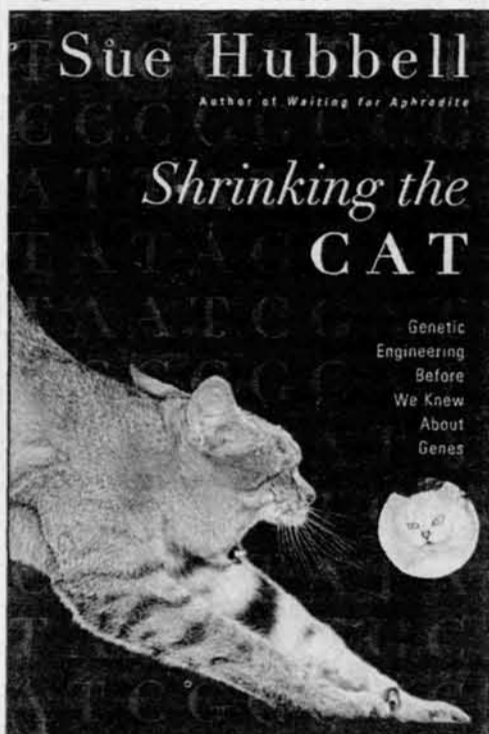
The same fiddling accompanied our domestication of animals like the cat. Beginning with the cat-lovers in ancient Egypt, human

evolution of modern silkworms and apples.

Unfortunately, that is about all she does for the rest of the book. Occasionally, she inserts some commentary, but it is only to reassure the reader that she is not a blind follower of modern science. In one section, she mocks the nature and motives behind the rise of molecular biology in the past fifty years: "The fields of study that have grown from this new understanding are exciting and use a lot of shiny, expensive machinery. They have drawn many of our best young biologists, because it is easy to get funding for their work from the agribusiness and pharmaceutical corporations that stand to gain from their discoveries."

Hubbell seems to get so caught up in her storytelling that she forgets to apply her detailed knowledge of the history to debates about modern genetic engineering. She prefers to list, and not attempt to answer, the crucial questions that everyone already recognizes lie at the center of these difficult issues, questions like "What gives us the right to meddle with other species in the first place?" Her concluding thoughts are similarly unenlightening, qualifying a cautious optimism about the future of our fiddling with a vague warning about "unprecedented unintended consequences."

Nevertheless, the clear implications of the facts Hubbell's short book gathers compensate for any shortcomings in her commentary. For example, her discussion of the evolution of corn addresses the modern controversy over the safety of genetically modified organisms. Those who want only to eat "natural" foods had better avoid all agricultural products because they are all GMOs. It is only natural for us to tinker with nature. As Hubbell effectively argues throughout her book, "we have been 'genetic engineers' in the past, and will continue to be so in the future."



ECONOMICS

Markets and Information

Analysts of Asymmetric Information in Markets Receive Nobel

By Daniel B. Jonas

Often, one of the basic assumptions that economists will make is that markets are characterized by perfect information; that is, the buyers know just as much as the sellers about the quality of goods. However, this is not always the case, as the assumption falls flat when information is either too difficult or too costly to obtain. When there is asymmetric information in a market, one party has a more complete set of information than the other.

This year's Nobel Memorial Prize in Economic Science was awarded to George Akerlof, A. Michael Spence and Joseph Stiglitz "for their analyses of markets with asymmetric information." During the 1970s, these three economists established the groundwork for studying markets characterized by asymmetric information.

Used car market leads to insight

Akerlof was the first to explore the field of information economics. In his paper, "The Market for Lemons: Quality Uncertainty and the Market Mechanism," Akerlof used the market for used cars as an illustrative example of a market where the sellers possess more

information about the quality of the goods than the buyers. As a result, the bad products drive the good ones out of the market, and the market becomes biased toward "lemons." Applying this wisdom to the market for insurance, the Lemons Phenomenon suggests that at any price, only people for whom insurance is a good deal will purchase it, which means that insurers can't make any money.

Building upon the foundation laid by Akerlof, the research of Spence and Stiglitz examined ways to remedy the problems associated with asymmetric information.

Spence concluded that agents could counteract the asymmetry of information through signaling. Under this mechanism, the more informed party would act in a way that convincingly conveys their positive, unobservable information to the less-informed party. For instance, a corporation might decide to give large dividends to its shareholders in order to signal profitability. Alternatively, a student may aspire to attend a top-notch university and achieve honors to signal intelligence.

In many instances, however, a better-informed party has no desire to bridge the information gap. An individual who is susceptible to

contracting the HIV virus would not want to convey this information to his insurance company. To this end, Stiglitz looked at an incentive-based system as a means to extract information from the better-informed party. For example, insurance companies screen applicants to sort their policyholders into various risk pools. They offer a number of packages with different combinations of premiums and deductibles. A healthy individual, thus, will accept a policy with a low premium and large deductible.

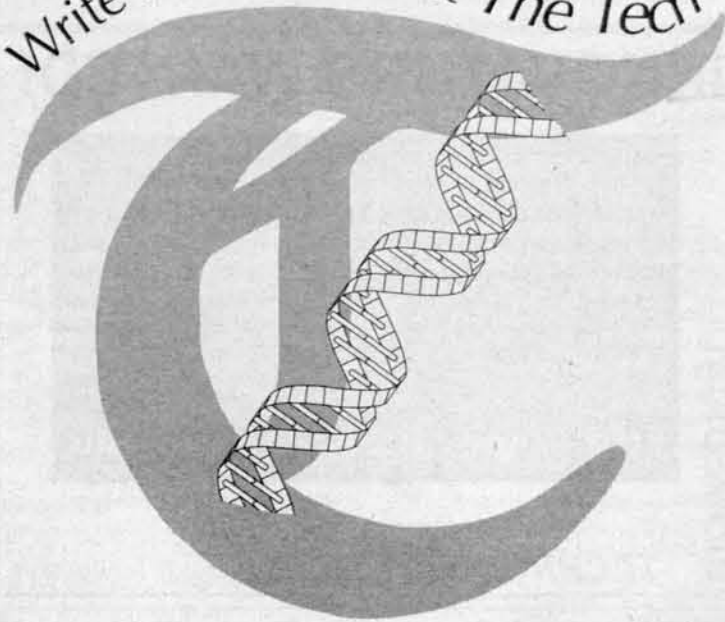
Laureates have Cambridge roots

George Akerlof obtained his Ph.D. from MIT in 1966, and is the Goldman Professor of Economics at the University of California at Berkeley. Michael Spence obtained a Ph.D. from Harvard in 1972, and is currently Professor Emeritus of Management in the Stanford University's Graduate School of Business. He has also taught at Harvard and has been the Dean at both institutions. Joseph Stiglitz obtained his Ph.D. from MIT in 1967 and is currently jointly appointed at Columbia University. He has also held professorships at Yale, Princeton, Oxford and Stanford, and has served as the Chief Economist of the World Bank.

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What is the IAP Research Mentor Program (IRMP)? IRMP links undergraduates who have never done a UROP ("pre-UROPers") with upperclass students who have at least one year of UROP experience ("Mentors"). The aim is twofold: to provide experience to students who want to begin a UROP but either lack the technical background, or are not ready to make a formal commitment to a project and to concurrently give upperclass students a taste of what it is like to teach a beginner.

Applications are available from the UROP website at <http://web.mit.edu/urop/mentorapp.html> or in the UROP Office (7-104). For more information, contact the UROP Office at x3-7306 or <urop@mit.edu>

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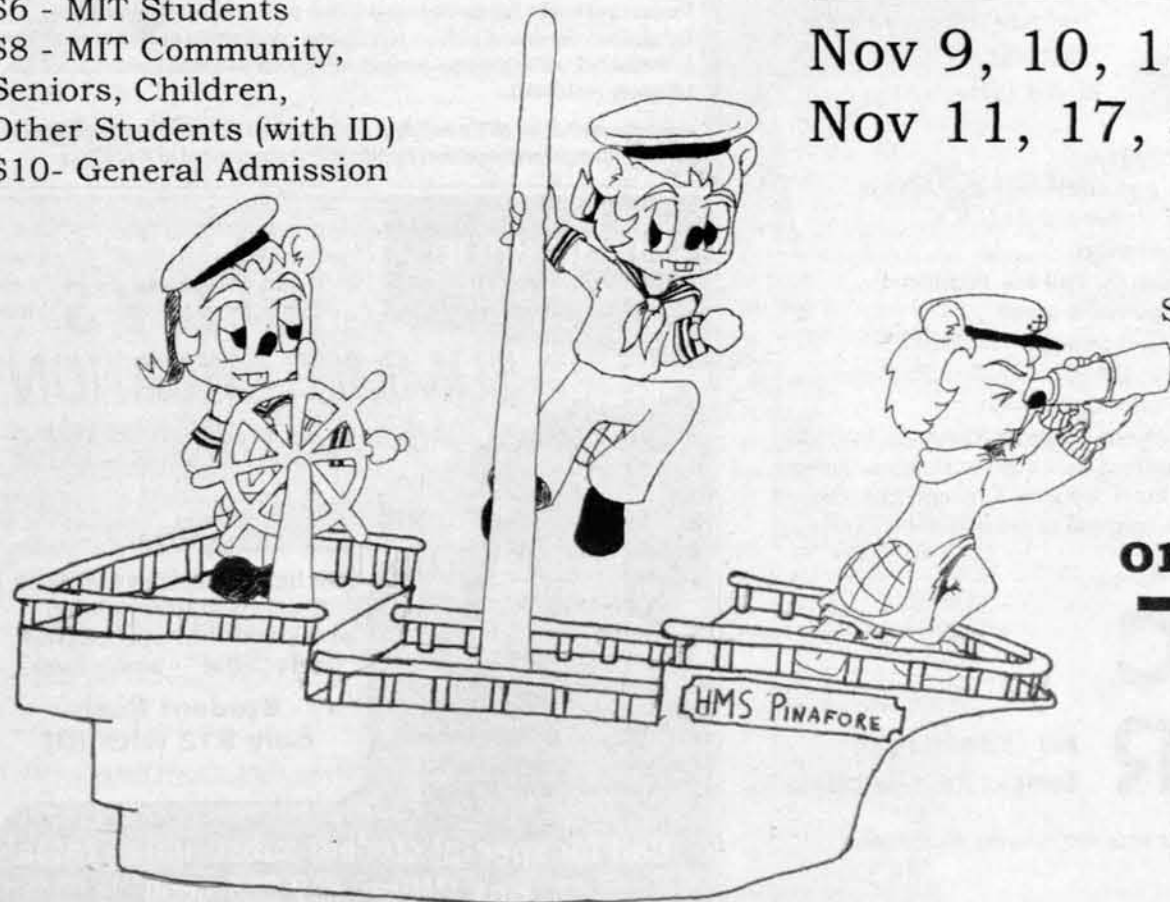
Show Dates:

Nov 9, 10, 16, & 17 at 8:00 pm
Nov 11, 17, & 18 at 2:00 pm

in La Sala De Puerto Rico
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or to reserve tickets,**

send email to:
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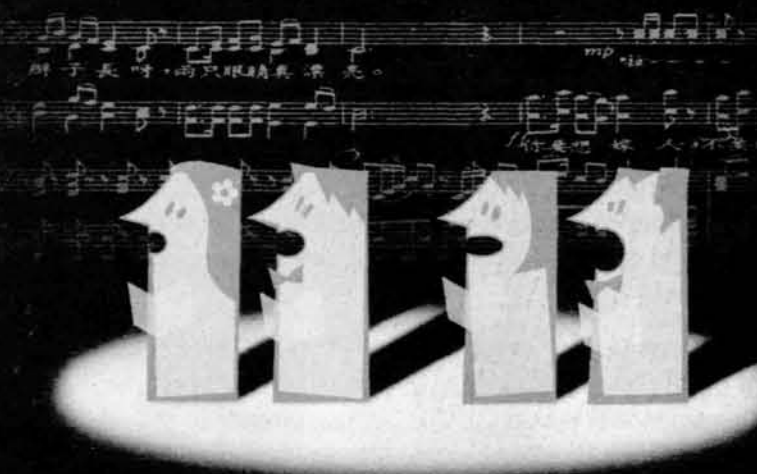


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An Evening of Prayers and Harmony

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11 11



KRESGE AUDITORIUM, MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
11-11-2001, 7:30PM. FREE ADMISSION

For more information on the concert please contact Jerry Huang at (978)258-5110 or email cccs-officers@mit.edu. Admission is free and donations are encouraged. All donations will be collected and distributed by the Organization of Chinese Americans (http://www.ocaatl.org) to the following three relief funds: American Red Cross, the September 11 Fund administered by United Way and the Asian American Federation WTC Fund administered by the Asian American Federation of NYC. Checks made payable to "911 Healing Hands/OCA" are accepted at concert or may be mailed to: 911 Healing Hands, c/o Cathay Bank, 777 North Broadway, Los Angeles, CA 90012. For detailed information please visit: web.mit.edu/cccs/www/home.html and www.911healinghands.org

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If you received a degree in 2000, 2001, or are expected to receive a degree by June 2002, you are eligible to participate in this year's election process. Go to <http://web.mit.edu/alum/mitcorp> to make your nomination.

Nominations must be submitted by November 16, 2001.

Questions?
Contact Bonnie Jones at 3-8212 or jonsey@mit.edu

INNOVATORS WANTED!

invention implementation

The Stanford Biomedical Technology Innovation Program invites innovative engineering graduate or postdoctoral students and medical trainees (all levels) with a passion for applying technology to solve unmet clinical needs to apply for a Biomedical Technology Innovation Fellowship.

Visit the Innovation Program website for more information and to download an application, or call (650) 736-1160. Application deadline is January 31, 2002.

<http://innovation.stanford.edu>

interdisciplinary creativity intellectual
engineering teamwork modeling design property
TECHNOLOGY brainstorming prototyping

MIT Department of FACILITIES

CAMPUS CONSTRUCTION UPDATE

MEDIA LAB EXTENSION: As demolition of Buildings E10 and E20 begins, the generation of some noise, dust, and vibrations may occur. Jersey barriers will be installed, providing a temporary walkway along Ames and Amherst streets.

MEMORIAL DRIVE: Construction activity associated with the installation of traffic signals has begun at two locations intersecting Memorial Drive, at Wadsworth Street and Endicott Street. Construction will continue through December. On-street parking will be restricted during this time.

LOBBY 7 RESTORATION: Interior scaffolding will remain in place, as installation of the glass blocks for the new skylight has been completed. Construction continues at the 77 Mass. Ave. exterior entrance to repair the cracked limestone facade. Scaffolding has been erected, and foot traffic may be affected.

SIMMONS HALL: Continuing placement of concrete may generate noise and affect vehicular traffic. Also, waterproofing is being applied to the exterior of the building. Two-way traffic in front of the project continues in narrowed lanes.

ZESIGER SPORTS & FITNESS CENTER: An increase in the use of movable cranes and the delivery of concrete may result in congestion of accesses to the Johnson Athletic Center and Kresge Auditorium. Pedestrian and vehicular traffic may be affected.


VASSAR STREET UTILITIES: Underground utility work is progressing across Amherst Alley. The sidewalk leading to the Johnson Athletic Facility will be closed during the installation of a fire protection line. Pedestrian traffic will be rerouted to the north side of Vassar Street. Excavation continues behind NW30 and progresses eastward to NW14, to install hot water piping. Access to the rear of these buildings will be severely restricted.

For information on MIT's building program, see <http://web.mit.edu/evolving>. This information provided by the MIT Department of Facilities

MIT Organization of Serbian Students (MOST)

invites you to

An Evening of Balkan Poetry



DATE: Saturday, November 10th 2001.
TIME: 7 pm.
PLACE: MIT Room 6-120.

LANGUAGES: Bulgarian, English, Greek, Hungarian, Romanian, Russian, Serbian, Turkish. All works with TRANSLATIONS INTO ENGLISH.

EVENT DETAILS:

- Thirteen performers from the Balkans, Hungary, Russia and the U.S.A.
- Poems and songs.
- Music from the Balkans. Performed live, and played in stereo.
- Balkan foods served. Not a dinner.
- One or two intermissions for refreshments, friendly talking, and music.
- Special guests: **Kenneth Rosen**, an American poet who lived and taught in Bulgaria. **Adnan Adam Onart**, a poet of Crimean Tatar descent who was born and raised in Istanbul, Turkey.

PURPOSE: Presenting a part of Balkan heritage to the wider Boston community. Strengthening the friendship among the Balkan peoples and the cultural distinctions of the region.

For more information:
MOST website:
<<http://web.mit.edu/most/www>>
Room 6-120:
<http://whereis.mit.edu/bin/map?locate=bldg_6>

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Jessica Stone and Terrence Riordan, photo: T. Charles Erickson

iCampus Allocations Favor Non-Student Proposals

By Eun J. Lee

ASSOCIATE NEWS EDITOR

In its first two years, the iCampus project has allocated almost \$8 million to educational projects at MIT, but only about \$500,000 will go to student projects.

"There is no quota for the number of student projects that can be funded in a given year," said Professor Harold Abelson PhD '73, co-director of Project iCampus. "It's clear we want to fund more student projects," he said. "We're looking for projects that are a combination between being creative and having the potential to improve lives at MIT."

MyCare to provide online support

The MyCare mental health network project is one student initiative currently being funded by iCampus. This project was first conceived last term, and has been run entirely by undergraduate students. Its first-year goal is to provide online crisis support resources to the MIT community.

"We are trying to create an interactive online community which is similar to a web-based Nightline," said Ronojoy Chakrabarti '02, one of the principal investigators of the MyCare project.

The founders of MyCare were given a one year, \$60,000 grant by iCampus that has gone towards funding the research and development of the website and software development.

"The application process was pretty straightforward," Chakrabarti said. "Currently, this is our only source of funding, but we are hoping to also get funding from the Dean for Student Life in the near future," he said.

The long-term goal of the project is to create a database of online cri-

sis support information and tools that can be distributed to other universities and groups.

"I think it is a hallmark of MIT that if you have an idea, you can find a professor who will help you implement it," Chakrabarti said. "What we did is a testament to that."

Although the MyCare project is still in development, the website is scheduled to be up and running by the end of the spring term.

ENVIT group also funded

Another student project funded by iCampus is being led by the Environmental Information Technology Group (ENVIT). They hope to create mobile field data collection software for environmental professionals.

"Right now, there's not any technology that does this type of thing," said Richard G. Camilli G, one of the principal investigators of the project.

The first step in this project will be the creation of a Software Tools for Environmental Study software package. "We've actually been able to partner up with an existing class and other existing sources of funds that allow us to do a lot more," Camilli said.

The project is being conducted in conjunction with the undergraduate class Special Undergraduate Studies in Civil and Environmental Engineering (1.992). The students in this class are divided into groups that are building different components of the system such as hardware design, software interfacing, and the graphical user interface.

"We hope to have the system operational by December, and in January, we are leaving for its deployment in Australia," Camilli said.

The ENVIT Student Group currently consists of 24 student members pursuing all degree levels within the department of Civil and

Environmental Engineering.

iCampus underspending

The iCampus initiative is spending less funds than it has budgeted. Rebecca G. Bisbee, MIT iCampus Project Administrator, said the program is hoping to expand its funding of projects in the future.

"We have been underspending the past two years, and we have much room for expanding," Bisbee said.

Although the program has an endowment of \$25 million to last through the course of five years, the fact that its spending has not averaged \$5 million does not mean it is behind, according to Abelson.

"It's much more natural to ramp up spending over the course of the five-year project, since this allows us to start things and then give them more funding later if they are successful," Abelson said.

iCampus effects felt in classes

In addition to the Technology Enabled Active Learning Studio Physics Project, the iCampus program has helped fund online lectures and automatic homework

checking for certain Electrical Engineering and Computer Science classes, including Structure and Interpretation of Computer Programs (6.001), and the fundamental overhaul of the Aeronautical and Astronautical Engineering (Course XVI) program that integrates design throughout the entire curriculum.

Although iCampus does not have any formal connection to the OpenCourseWare initiative, Bisbee said that it is possible that some of the developments of iCampus-funded projects might help in the development of the web-based initiative.

New proposals due November 12

Preliminary proposals for student projects beginning in the spring semester are due on November 12. From these preliminary proposals, the committee will ask several applicants to submit final proposals, which are due on December 1.

Funding decisions will be announced before the end of the fall semester, and every student that receives an iCampus grant is required to take the class Special Subjects in EECS (6.096), a project management

course, during the spring term. This class allows students to work on their individual projects.

Although it is recommended that applicants who are applying for the grants are affiliated with existing student groups so that the research may be continued even after students graduate, this is not a requirement to receive the grant.

"Actually, we created a student group called Bluebird, an ASA recognized activity, after we got funding for our project," Chakrabarti said.

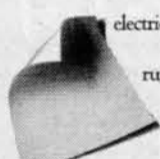
Bisbee encouraged students to apply for iCampus funding not only to benefit their projects, but to develop marketable skills.

"Project management skills are essential for any MIT graduate," Bisbee said. "This is a wonderful opportunity for people to learn these important real life skills as well as helping to improve the educational atmosphere here at MIT."

Application guidelines for student projects and proposals as well as further information about current iCampus projects can be found on the program's website at <http://icampus.mit.edu>.

BE LESS PRODUCTIVE AT THE OFFICE.

The office has always been a place to get ahead. Unfortunately, it's also a place where a lot of natural resources start to fall behind. Take a look around the next time you're at work. See how many lights are left on when people leave. See how much paper is being wasted. How much



electricity is being used to run computers that are left on. Look

Use both sides of the paper when writing a memo.

at how much water is being wasted in the restrooms. And

how much solid waste is being thrown out in the trash cans. We bet it's a lot.

Now, here are some simple ways you can produce less waste at work.

When you're at the copier, only make the copies you need. Use both sides of the paper when writing a memo. Turn off your light when you leave. Use a lower watt bulb in your lamps. Drink your coffee or tea out of mugs instead of throwaway cups.

IT'S A CONNECTED WORLD. DO YOUR SHARE.

Set up a recycling bin for aluminum cans and one for bottles. And when you're in the bathroom brushing



your teeth or washing your face,

Don't let the faucet

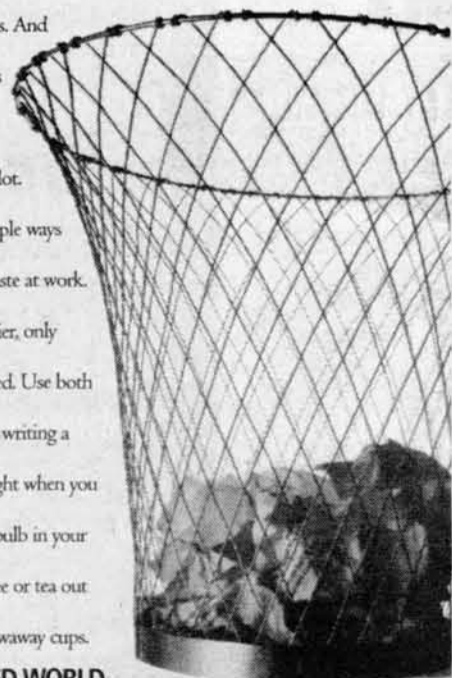
run. Remember, if we use fewer resources

today, we'll save more for tomorrow.

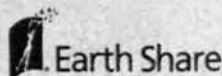
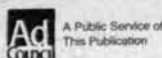
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Necco Wafer Tower Still Part of Skyline

Necco, from Page 1

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New 2002 Plan Still Features Financial Support for FSILGs

Funding, from Page 1

The Design of a New Residence System, was initiated as a result of the large heated debate over the future of MIT's housing policy at the time.

In the report, Bacow suggested that MIT could provide financial assistance by subsidizing FSILGs that house graduate students in their vacancies. MIT would pay back graduate students 80 percent of the living cost if they lived in an FSILG house, or MIT would pay 60 percent of the cost to the house should that bed remain empty. This support would decline by 10 percent each year for five years, when the assistance would stop altogether.

The committee has met since October 18 to discuss how FSILGs can avoid being financially crippled by the loss of a residential freshman class, and with it a substantial source of money. The committee is made of five student residents of FSILGs, two alumni, and three staff members.

At the committee's first meeting, Rogers presented the group with a primitive revision of Bacow's suggestions, which he wanted to use as a starting point.

"The Bacow report was pretty general, which generated a need for a committee," Tappan said. "We needed to lay out the details."

What was ultimately taken from the report were three guiding principles that Bacow concluded were

necessary to answer the financial support problems.

First, the draft says MIT should aid FSILGs, "but not do so in a way that creates financial dependency on the Institute."

The proposal incorporates Bacow's idea of phasing out the plan over a five year period. "Money is not going to be a crutch, but a support to help [FSILGs] in the transition," Rogers said.

Second, "the transition support should be provided in a form that does not reward houses that recruit badly, or punish houses that recruit well," the report states.

Finally, the committee asks that the Institute's policy recognize the changing demographics of MIT, especially the growing number of five-year MEng students.

Rogers views the report as a springboard for policy. "It was clear that MIT would support FSILGs during the transition," he said. "How they would do so was unclear."

Rogers noted that the current student proposal would give more to the FSILGs than what Bacow asked for in his report, giving the house a greater incentive to recruit graduates.

The committee is planning to

present a final proposal for approval to the Residence System Implementation Team in mid-November. The RSIT will also hear other proposals from other committees addressing other issues regarding the freshmen transition.

The proposal sent Thursday was written jointly by committee member Christopher A. Voehler '03 and Rogers. "The students did all the work," Rogers said of the draft.

Solution to Crossword

from page 7

A	P	T	D	R	A	M	A	E	C	L	A	T
R	O	I	E	A	V	E	S	C	R	O	W	E
E	R	A	S	T	I	L	T	L	A	T	E	X
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S	H	A	R	E	S	A	P	P	E	A	R	S
			A	R	T	I	C	L	E	S	M	A
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I	N	T	R	O	S	L	A	S	T	W	O	R
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Z	I	L	L	I	O	N	D	E	E	P	E	N
			I	O	N	I	Z	E	B	R	A	V
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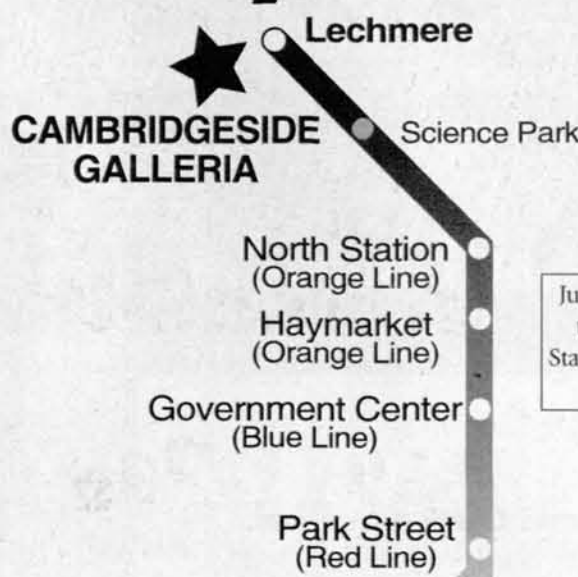
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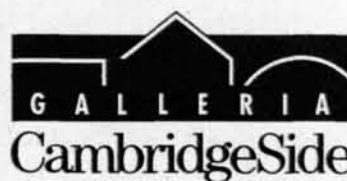


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Voters Approve CPA In Lopsided Result

Elections, from Page 1

said Winters. "Two candidates with the same background and issues will wind up competing with each other."

Voter turnout down from 1999

Because of the lack of major divisive issues and because of the events since September 11, voter turnout was lower than it has been in recent years. 17,126 ballots were cast, compared to 18,777 in 1999.

"I wasn't surprised, but I was still disappointed," said Mary C. Tittmann, executive director of the CCA. "It's almost 2000 ballots lower."

"There was a strong feeling among all the candidates that national and international events were sapping people's energy," Tittmann said.

Winters speculated that, more than issues, the major factor in the race was which candidates were able to get the most visibility and whose personality was the most appealing to voters.

"In local politics, issues don't matter," Winters said. "This is about representation. Which people do you want as your representative? Most of the time, if you ask in person for someone's vote, you will get it."

CPA wins approval

The Community Preservation Act, which passed with 71 percent of the vote, provides state matching funds for any money that the Council sets aside for affordable housing, open spaces, and historical preservation. The act had widespread support in Cambridge: all nine council-

ors, the city manager, and several past mayors expressed their support for the question.

Despite its popularity here, the same act did not pass in Boston.

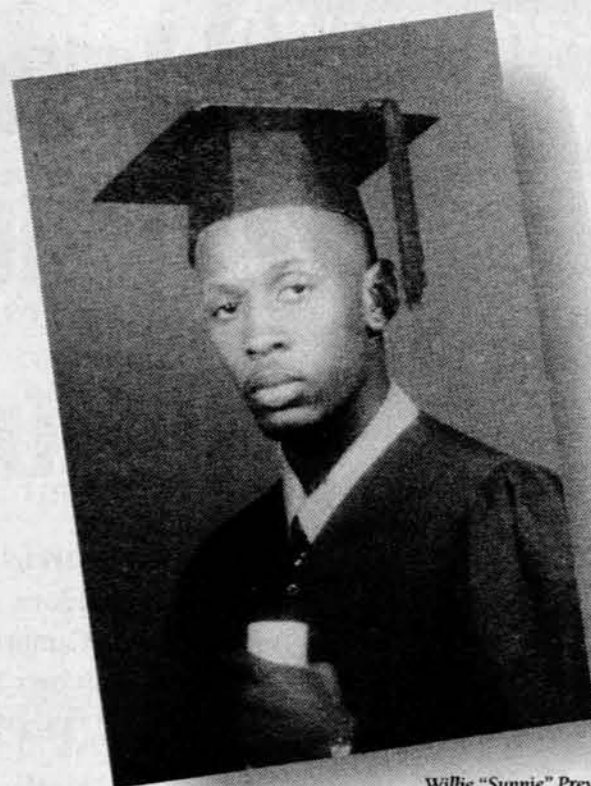
How to spend the money provided by the CPA will probably be one of the issues that may divide the new Council, according to Winters. "You may hear some debate on the relative priorities," Winters said. "There are trade-offs between open-space acquisition and affordable housing. Every one of the nine councillors will have to search their souls about how they will want to carve up the pie."

Council elected by PR

The Cambridge City Council is elected by proportional representation. As the system is designed to represent a broad range of interests and constituencies, candidates need to receive a tenth of the votes cast in order to be elected. PR was adopted by several communities in the first half of the 20th century to combat the corruptness and machine politics of large parties.

Voters rank candidates in order of preference. Quota, the number of votes a candidate needs to win, is determined by dividing the number of ballots cast by ten. In the first round of counting, the voters' first choices are counted and ranked. If any candidate makes quota in this round, his or her surplus votes are distributed to the other candidates according to the second choices on his or her winning ballots. In each subsequent round of counting, the candidate with the least number of votes is eliminated, and his/her ballots are distributed among the next candidates on those ballots.

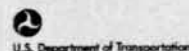
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Preliminary proposals for student projects that will begin in spring semester 2002 are due on **November 12, 2001.**

For proposal criteria and information on submitting proposals, see the *iCampus* web site at <http://icampus.mit.edu>.

Questions? Send email to icampus@mit.edu.

SPORTS

MIT Ballroom Dance Places at Competition

Couples Advance in All Categories of Dance

By YanFeng Lim

TEAM MEMBER

This past Saturday, while hordes of costumed partygoers thronged the streets for Halloween, an excited bunch of costumed members of the MIT Ballroom Dance Team danced at the Eighth Annual Harvard Beginners' Competition. MIT fared well, with many of its couple advancing to later rounds and placing.

This is a unique competition because it is 'experience restricted'—only those who have started dancing in September were allowed to dance in the "Newcomer" level, and those who started after last September were allowed to dance in the "Beginner" level.

This was the first collegiate competition of the season and was a wonderful chance for our newcomers to get a taste of dancing, and the beginners to warm up after summer.

Amid the cheers of team members, friends and coaches, the newcomers danced Swing and Foxtrot, while the beginners danced Waltz and Chacha.

Cheering at competitions is almost mandatory, and sore throats afford the satisfaction of knowing that a teammate did well and advanced into later rounds of the event.

Cheer we did, as many of our couples made advanced rounds,

including three couples who made the quarterfinal in Swing. They were, Man Sze Ko '03 and Jamie Y. Mak '03, Luca Daniel and Jennifer Weis, Vladislav Y. Gabovich G and Sophia Kats.

Amongst the cheering audience, we were fortunate to have one of our professional Latin coaches, Helle Rusholt, as well as our two amateur coaches in Latin/Rhythm, Michael Otero and Deirdre Peiroff.

MIT fared marvelously in Foxtrot, with three couples making the final. Claiming first place were J. Bradley Morrison G and Irina Medvedev G, while Hazhir Rahmandad G and Parisa Fallahi G captured second place. Benny Budiman G and Miriam L. Sorell '04 took seventh place while Dennis Lee and ETTY Shin G made the semifinal round. Keep in mind that each of these events had about 120 couples entered and dancing in the first round.

The struggle to the finals was long and arduous. In the audience were our ever-watchful amateur Standard coaches, Warren Dew '91 and Elizabeth Nugent '97 who proudly looked on as the students they groomed danced their hearts out.

In the Beginner categories, Filip Hsu '87 and Maricore Santiago brought home the honors, placing third in both the Chacha and the Waltz, beating almost fifty other couples to the finals.

Fencing Does Well at 'Big One'

Purcell, Dorfman, MacFarlane Take Gold in Respective Events

By Curtis Wade III

TEAM MEMBER

MIT showed incredible depth and balance in last Sunday's opening tournament of the season. Traditionally the first meet of the year, the New England Intercollegiate Fencing Conference (NEIFC) "Big One" offers a first look at the opponents MIT faces during the year.

The Big One begins with an initial round of pools determining the seeding into a single elimination bracket. Caroline M. Purcell '02 (sabre), Susannah M. Dorfman '05 (foil) and William F. MacFarlane '02 (foil) won their respective weapons.

Neal K. Devaraj '02 (épée) and Jason M. Levine '03 (sabre) added bronze medals as four other fencers finished in the top eight for their weapons. Several fencers with only a month of experience made strong showings and many returning fencers showed marked improvement over previous performances.

The day's events speak well for the women's team to defend their position as NEIFC champions and for the men's team to reclaim the NEIFC title they've held for two of the last three years. MIT travels to Brown College on November 17 to begin the NEIFC team circuit.

Women win two of three events

In the first event of the day, women's sabre, MIT showed its depth when novice fencer Zhejuan Lu '05 went 2-3 in pools before being eliminated in the round of 64.

Susan A. Juan '02 came within a touch of advancing to the round of 32, suffering a heartbreaking 14-15 defeat.

Sasha R. Manoohsingh '03 faced Juan's opponent in the next round, exacting a 15-7 revenge on behalf of her fallen teammate. Manoohsingh, who finished 30th last year, went 5-1 in pools and finished in 12th place.

Reigning women's national champion, and winner of last year's Big One, Purcell had little trouble remaining undefeated in her pool. Purcell went on to win the Big One again, bringing home the first gold medal for the women's team.

Women's epee had early success in the pools, going a combined 16-4 as Crystal Shih '04, Natalie E. Cusano '02, Michelle A. Nadermann '03, and Jennifer A. Lue '03 all finished 4-1, earning them byes into the round of 32. Shih dropped her bout in the round of 32. Nadermann and Cusano won their first direct elimination bouts before falling in the round of 16. Cusano narrowly missed making the eight when she forced a bout where she was down 6-12 to a

score of 13-14 before losing the final touch. Lue sailed through her first two direct elimination matches despite equipment problems. She was defeated in the round of eight and finished in 7th place.

Women's foil mirrored the sabre squad in depth. Novice Diane L. Christoforo '05 went 2-4 in pools and won her first direct elimination match before losing in the round of 32.

Lisa M. Bell '04, and Danielle M. Morse '02 (who finished 4-1 in pools) also fell in the round of 32.

Christine A. Yee '03, who finished 17th last year, went 5-1 in her pools. She advanced through some close bouts to the round of eight before losing a bout 8-11 when time ran out. Yee finished 6th.

Seeded first at the beginning of the day, Dorfman handled her pools with ease, going 6-0 with only 5 touches total scored against her. Her path through the direct elimination was relatively smooth until she found herself down 12-14 in the round of 16. Her confidence tested, Dorfman pulled herself together and scored the next three points and went on to win her final bouts by the decisive margins of 15-3, 15-10 and 15-7.

Men boast five of the top 15

Épée began with a strong showing for the men's team. Squad leader Devaraj and veteran Curtis Wade III '02 (returning from a two-year absence due to an ACL injury) swept their pools, earning initial seedings of 3rd and 5th respectively.

Matthew R. Levy '04 went 3-2, good enough for second in his pool and a 15th ranked seeding.

Newcomer Farhan I. Merali '05 acquitted himself well, including scoring three touches against the eventual silver medalist. He lost his first direct elimination match 8-15 against a much taller and more experienced opponent. Devaraj had a relatively easy run through the direct elimination bracket until the round of 4 when he lost a close bout 12-15 to a perennial powerhouse from Brown.

Levy, who earned a bye and then won his first direct elimination match, had already been eliminated in the round of 16 by the same fencer.

Wade quickly defeated his first opponent before narrowly winning his second direct elimination match 15-12 in an intense bout that nearly timed out. He found himself unable to muster the energy to defeat his next opponent, losing 11-15. Wade finished 5th and Devaraj, who finished 15th last year, finished 3rd.

Men's sabre followed the pattern for the day with several inspirational performances including a solid effort by Bryan D.

Arbuszewski '05. Fencing in his first tournament ever, Arbuszewski went 2-3 in pools and convincingly defeated his first direct elimination match opponent 15-5. His next bout was close, and he lost 10-15.

Michael P. Pihulic '04 improved upon last year's 32 ranking, going 4-2 in pools. In one of his losses, he managed to score 3 of the only 4 touches given up by the eventual gold medalist. He fell just short of reaching the top eight, losing an emotional bout in the round of 16, 14-15.

Like five other MIT fencers that day, Levine and Anthony P. Reinen '03 swept their pools. One of Reinen's victories came against last year's champion. Reinen barreled through his direct elimination bouts, even disarming one opponent in the 16 with the force of an attack. His progress was halted by running into teammate Levine in the round of eight. Levine took the victory but could not finish off his opponent in the round of 4. Levine finished 3rd and Reinen, who was 20th last year finished 5th.

Fielding a young squad this year, men's foil had mixed results in the opening direct elimination rounds. New fencer Jerry W. Chao '05 won his first double elimination bout before losing in the round of 32.

Vincent Chen '05 went 4-1 in pools but fell just short of advancing to the round of 16. Like Reinen, Douglas J. Quattrochi '04 had the misfortune of meeting teammate MacFarlane early in the direct elimination rounds. MacFarlane would take the victory and eventually the gold.

MacFarlane's victory came more as a surprise to his teammates and opponents than to himself. Coming to MIT as an already experienced competitor, he only allowed six touches to be scored on him during the round of pools. After defeating Quattrochie, he went on to easily defeat his remaining opponents. In the last bout of a long day, every eye in the building focused on him as he squared off against an opponent from Boston College.

"I've never fenced for a team before," said MacFarlane. "I didn't know how to handle the attention. But I was excited going into the bout because I thought my opponent would be fun to fence."

His opponent took an early lead of 3-5. But MacFarlane went on to take 12 of the next 14 touches, soundly defeating his opponent 15-7 and converting the dream of a MIT men's gold medalist (the first in 3 years) into a reality.

MacFarlane, Dorfman and Wade will join several other fencers this weekend—including team captains Oliver J. Chadwick '02 (foil) and Jennifer A. Mckeehan G (sabre)—in representing MIT at the Penn State Open.

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Volleyball Earns Postseason Bid, Will Face Brandeis in First Round

By Paul Dill

TEAM COACH

For the sixth straight season, the MIT women's volleyball team has earned a bid to the postseason. This year, after posting their best record since 1989 at 29-8 and being ranked either first or second in the New England Region for most of the season, the Engineers earned the number two seed in the Eastern Collegiate Athletic Conference North Championship Tournament.

The Engineers are no stranger to this tournament,

as they have finished second both in 1999 and 2000. They are hoping to reach the finals again this year. MIT will first face Brandeis University, and then the winner of the Elmira College vs. Clark University match. The Engineers will travel to host Springfield College to play tonight at 6:00 p.m. in Blake Arena.

In other news, setter Christina Almodovar '02, and middle hitter Kelly A. Martens '03 were both named to the New England Women's and Men's Athletic Conference All-Conference Team this week. Almodovar led the team with 1,224 assists while Martens led the team in kills and led the conference in hitting percentage.