



MIT's
Oldest and Largest
Newspaper



The Weather

Today: Partly cloudy, evening flurries,
34°F (1°C)
Tonight: Partly cloudy, scattered
flurries, 22°F (-5°C)
Tomorrow: Partly cloudy, 33°F (1°C)

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Volume 125, Number 10

Cambridge, Massachusetts 02139

Friday, March 4, 2005

Athena System Hacked Again

By Marissa Vogt
NEWS EDITOR

A group identifying themselves as the "Athena Insecurity Squad" sent an e-mail late Tuesday night to officials in Information Systems and Technology containing 628 alleged Athena username/password pairs. The e-mail was sent from a Yahoo! e-mail account and was copied to the Student Information Processing Board and *The Tech*.

"It took us less than 24 hours to get all of these" passwords, the e-mail stated. "Please fix athena so that this doesn't happen."

The compromised passwords were reset, and affected users were notified on Wednesday. Laura Baldwin, an IS&T user accounts consultant, said that users could reset their passwords in one of three ways: using an online form that required Web certificates, in person, or by fax.

Baldwin said that Athena User Accounts received a "constant stream of people" on Wednesday wanting to reset their passwords in person at N42.

This was the second incident of compromised Athena workstations in under two weeks. Nineteen passwords had to be reset after someone installed software on around 90 machines early on Feb. 22 that saved usernames and passwords to a file in the system.

There was no response to multiple e-mails requesting comment sent to the Yahoo! account.

Interception occurred last week

IS&T Network Manager Jeffrey I. Schiller '79 said that IS&T believes the interception occurred last Thursday night. He said that someone went to a number of Athena machines, mostly quickstations, and replaced the login program with a version that would record usernames and passwords in an accessible file. Schiller said that they are not yet sure where the information was stored and whether or not the person had to return to the workstation to get the passwords.

Schiller said that they checked the workstations the users had been using and did not find the fake login program. He said that there is a risk that some other quickstations were compromised and were not checked by IS&T or that a compromised username/password pair was not included in the e-mail.

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Three Professors Win MacVicar Fellowships

By Kelley Rivoire
NEWS EDITOR

Three professors will be named MacVicar Faculty Fellows today for their contributions to undergraduate education.

The three faculty members, Professor of Mathematics Haynes R. Miller, Professor of Literature Ruth Perry, and Professor of Linguistics David Pesetsky PhD '83, were nominated by their students and colleagues for their outstanding contributions to undergraduate education at MIT.

They will be honored at a luncheon today as part of MacVicar Day, which will also include a panel discussion with members of the Task Force on the Undergraduate Educational Commons, which is currently reviewing the General Institute Requirements. The event, entitled "What should we achieve in a four-year MIT education?", will be held in 6-120 from 3 to 4:30 p.m. this afternoon.

Fellows honored for innovations

All three of the new MacVicar Fellows have enriched the MIT undergraduate experience, adding new courses and teaching methods to the undergraduate program.

Miller, who has been a professor



CHRISTINA KANG—THE TECH

Linguistics professor David Pesetsky will be one of those named a MacVicar fellow for undergraduate education on Friday, Mar. 4.

since 1986, developed a new undergraduate project laboratory in mathematics as part of a Cambridge-MIT Institute grant, taught for the first time last spring. In the class, students

work together in groups to study the "application of the scientific method in mathematics," allowing students to "come to a theorem in the opposite direction" to how they would nor-

mally approach it, Miller said.

"It stimulates the experience of really being a mathematician."

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More Applicants to CME

By Marie Thibault
STAFF REPORTER

The Cambridge-MIT Exchange program may reach a record high number of MIT participants this year, with 55 sophomores having applied and 40 to 45 likely to be accepted, said Peggy S. Enders, associate dean for undergraduate education.

Last year, 37 applications were submitted, with 35 students now studying in Cambridge. In the past five years of the program, the number of participants has varied from 27 to 44.

CME funding to change hands

The Cambridge-MIT Exchange was started in 2000 as a project of the Cambridge-MIT Institute, a broader program focused on "enhancing the competitiveness, productivity and entrepreneurship of the UK economy by improving university-industry knowledge exchange," according to CMI's Web site.

CMI is an "alliance between

Cambridge and MIT, underwritten by the British government," Enders said.

CMI will continue to fund the exchange program through next year, after which, Enders said, "it may not be funded by CMI anymore."

"The CMI is not to fund things in perpetuity, but rather to start them up," Enders said, so after a project is successful, CMI has to move on to other projects. Enders said that MIT has always felt the Cambridge-MIT Exchange is a successful and worthwhile project.

The exchange will continue, funded by both universities, along with fundraising. Enders said that a new Study-Aboard Office is being planned at MIT to handle this fundraising as well as manage other study-abroad programs.

New majors participate in CME

The Brain and Cognitive Sci-

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Grad Student Found Dead

By Beckett W. Sterner
NEWS EDITOR

Zhenxiu Mao, a first year graduate student in the Department of Mathematics, was found dead in his apartment in Cambridge on Monday, Feb. 28.

The cause of death is unknown at this point, said Robert M. Randolph, senior associate dean for students, pending the results of an autopsy.

"As of right now, we don't suspect foul play," said Cambridge Police Spokesperson Frank Pasquarello. He said that there currently is not a criminal investigation, and that determination of the cause of death is waiting for a toxicology report, which may take a few weeks.

Mao "was found in his apartment by a contractor who had come to repair a leak in his roof," Randolph said.

Don't forget to vote in the Undergraduate Association elections! Vote online at <http://vote.mit.edu> by Mar. 8, and or vote in Lobby 10 on Mar. 9.



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Senior Gift is Public Lounge in
Cashier's Office Space

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Yale Increases Financial Aid

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WORLD & NATION

Brazilian Congress Approves Genetically Modified Crops

By Todd Benson
THE NEW YORK TIMES

SAO PAULO, BRAZIL

In a significant victory for large biotechnology companies like Monsanto, Brazil’s lower house of Congress has overwhelmingly approved legislation paving the way for the legalization of genetically modified crops.

After months of delays and heated debate, legislators passed a biotechnology law late Wednesday by a vote of 352-60. The bill had pitted farmers and scientists against environmental and religious groups.

Besides lifting a long-standing ban on the sale and planting of gene-altered seeds, the legislation clears the way for research involving human embryonic stem cells that have been frozen for at least three years.

The bill, which was approved by the Senate in December, is expected to be signed into law by President Luiz Inacio Lula da Silva in the next two weeks. Da Silva, whose own Workers’ Party is packed with environmentalists who fiercely oppose genetically engineered crops, issued temporary decrees twice in the last two years allowing the planting of modified soybeans, even though it was technically illegal to do so.

Army Officials Voice Concern Over Shortfall in Recruitment

By Eric Schmitt
THE NEW YORK TIMES

WASHINGTON

The Army is so short of new recruits that for first time in nearly five years it failed in February to fill its monthly quota of volunteers sent to boot camp. Army officials called it the latest ominous sign of the Iraq war’s impact on the military’s ability to enlist fresh troops.

“We’re very concerned about it,” Army Secretary Francis J. Harvey told the Senate Armed Services Committee on Thursday when asked about recruiting shortfalls in the active-duty Army and Army Reserve. “When people ask you what you worry about the most, I say there’s just two words: people and money.”

In February, the active-duty Army shipped 5,114 recruits to boot camp, 27 percent below its goal of 7,050 people, and the first time since May 2000 that the Army missed a monthly goal. For the first five months of the current fiscal year, the Army has met 94 percent of its goal of 29,185 new soldiers in basic training. Overall, the Army plans to bring in 80,000 new recruits this year — 3,000 more than last year — to replace soldiers who retire or do not re-enlist.

Canadian Cattle Farmers Anxiously Watch a Closed Border

By Alexei Barrionuevo and Elizabeth Becker
THE NEW YORK TIMES

OLIVER, BRITISH COLUMBIA

His yellow cowboy hat glowing in the fading sun, Bill Freding leaned an arm over the fence of a cattle pen and looked wistfully at his depleted herd. “We have a capacity of 7,000 head,” he said. “Now, we have a little over 1,000 in here.”

Freding, 61, has not come close to filling his pens here, some five hours by truck from the Pacific coast, since the summer of 2003, when the discovery of mad cow disease in an Alberta beef cow forced the closure of the border with the United States. That year, he was forced to liquidate his herd, including some 1,100 American cattle he was feeding for a rancher in Washington state, at plummeting prices that cost him more than \$1 million in lost income.

Like other Canadian ranchers, Freding had been counting the days until the scheduled border opening of March 7, when he hoped to put his business on the road to recovery. But many of his counterparts on the other side of the border have, at least temporarily, dashed his hopes.

Saudi Arabia Calls for Syria To Withdraw from Lebanon

By Hassan M. Fattah
THE NEW YORK TIMES

BEIRUT, LEBANON

Saudi Arabia told Syria on Thursday to withdraw its troops from Lebanon, adding substantially to Syria’s international isolation a day after Russia joined Western nations in making a similar call.

President Bashar al-Assad of Syria went to Riyadh, the Saudi capital, on Thursday hoping to secure Saudi support in advance of an upcoming Arab summit. But Saudi officials told Reuters and The Associated Press that Saudi Crown Prince Abdullah delivered an unusually blunt rebuff. Egypt, the other key Arab player, has also called for the withdrawal of Syria from Lebanon.

“The Arabs have taken a stand and the international community have taken a stand,” said Joseph Samaha, editor in chief of Lebanese daily As Safir, who supports Syrian withdrawal. “This means there is no ally left for Syria.”

Assad promised the Saudi leader he would study the idea of a partial withdrawal before the end of the month, the Saudi officials were quoted as saying.

Prior to last month’s assassina-

tion of Rafik Hariri, the former Lebanese prime minister, the Saudis served as behind-the-scenes players in the cooling relations between the United States and Syria. They backed efforts by Hariri to mend relations between the two countries while helping to maintain Arab support for Syria with the Arab league, Hazem el Amine, a columnist with the pan-Arab daily newspaper al Hayat, said.

“As long as the Saudis had organized to protect Syria, Syria could survive this,” said Amine. “That’s what makes this so important.”

As key figures in the Arab League, Saudi Arabia and Egypt largely define the Arab line.

Assad has been seeking a face-saving solution, by withdrawing most Syrian soldiers while maintaining a low-level presence behind as a bargaining chip.

But foreign ministers at an Arab League meeting in Cairo on Thursday urged Syria to follow through on the 1989 Taif accord, which ended the Lebanese civil war and called for a Syrian redeployment to eastern Lebanon near the border, and eventually to a full pullout.

“Assad needs the Arabs to support him in keeping troops behind,” said Joshua Landis, a professor of history at the University of Oklahoma and editor of the web site Syria Comment. “The Syrians think they have maneuvering room and they’re bargaining.”

Saudi Arabia’s rebuke follows a similar stand by Russia on Wednesday. “Syria should withdraw from Lebanon,” Russian Foreign Minister Sergei Lavrov told the BBC late on Wednesday. “But we all have to make sure that this withdrawal does not violate the very fragile balance which we still have in Lebanon, which is a very difficult country ethnically.”

Both calls followed German Chancellor Gerhard Schroeder’s insistence that Syria withdraw Wednesday while on a visit to Yemen.

On Thursday, President Bush reiterated calls on Syria to leave Lebanon. “The United States of America strongly supports democracy around the world, including Lebanon,” he said on a visit to the headquarters of the CIA in Langley, Va. “And it cannot flourish so long as Syrian troops are there. It’s time for Syria to get out.”

Greenspan Cautiously Endorses Shift to Taxation on Spending

By Edmund L. Andrews
THE NEW YORK TIMES

WASHINGTON

Alan Greenspan, the chairman of the Federal Reserve, cautiously endorsed a shift in the tax system on Thursday from one that primarily taxes what people earn to one that taxes what they spend.

Testifying before a presidential advisory panel on overhauling the tax code, Greenspan steered away from sweeping proposals to replace the income tax with a national sales tax.

But he supported what many of President Bush’s advisers see as a backdoor version of a consumption tax: expanding the role of tax-free savings accounts so that people could shield their income from taxes

until they actually spend it.

“Many economists believe that a consumption tax would be best from the perspective of promoting economic growth — particularly if one were designing a system from scratch — because a consumption tax is likely to favor saving and capital formation,” Greenspan said.

But he warned that shifting to a new system would raise difficult “transition issues,” and he cautioned against “going for purity” in any kind of overhaul.

Bush, struggling to sell a reluctant Congress on partially privatizing Social Security, said he would wait to see what his advisory panel proposes at the end of July.

“I’ve told the American people I want to work to simplify the tax

code to make it easier to understand so that people are spending less time filing paper,” Bush said at a news briefing on Thursday. “I’m looking forward to what the commission has to say.”

But many lawmakers in his own party would like to combine Bush’s goals for Social Security with his goal of transforming the tax code. Republican analysts say the efforts could dovetail in Congress around the idea of private retirement accounts. The centerpiece of Bush’s Social Security plan is to let people divert part of their payroll taxes to individual investment accounts. Likewise, the kind of “consumed income tax” implied by Greenspan would be based on a major expansion of tax-free savings accounts.

WEATHER

Phil Was Right

By Brian H. Tang
STAFF METEOROLOGIST

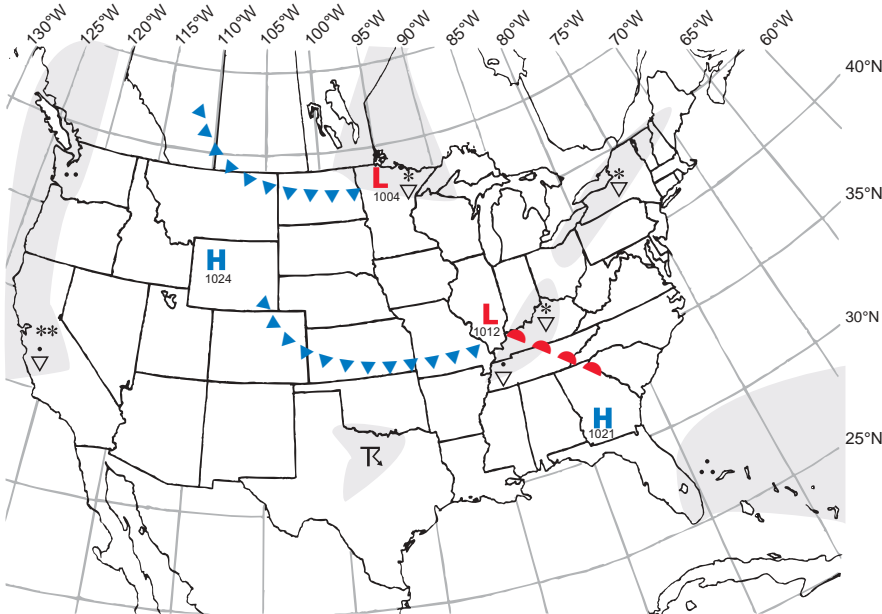
Punxsutawney Phil, everyone’s favorite groundhog, predicted on Feb. 2 that there would be six more weeks of winter. Well, it’s been four weeks since Groundhog Day, and it feels like the middle of January. We are locked in a very cold pattern, and it looks like we won’t see anything remotely approaching “Spring-like” for at least a week. A huge ridge is anchored over western North America, while a huge trough lies over eastern North America. The result is unabated flow from the Arctic straight into New England.

Along with the cold air, weak storms will continue to pivot around this trough and add to the fresh snowpack of more recent storms. Timing these storms is a little tricky, but the first one on Saturday into Sunday is likely to track too far to the south to bring us anything. The one slated for Monday may bring additional moderate snow accumulations to the campus.

Weekend Outlook

Today: Partly cloudy and breezy with evening flurries. High 34°F (1°C).
Tonight: Partly cloudy, scattered flurries. Low 22°F (-5°C).
Tomorrow: Partly cloudy. High 33°F (1°C).
Tomorrow night: Partly cloudy. Low 23°F (-5°C).
Sunday: Partly cloudy, a chance of flurries late. High 35°F (2°C).
Sunday night: Mostly cloudy with a chance of flurries. Low 23°F (-5°C).
Monday: Partly cloudy early then increasing clouds with a chance of snow in the afternoon. High 35°F (2°C).

Situation for Noon Eastern Daylight Time, Friday, March 4, 2005



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

Senate Rejects Change Closing A Loophole in Bankruptcy Bill

By Stephen Labaton
THE NEW YORK TIMES

WASHINGTON

The Senate rejected several Democratic amendments to proposed bankruptcy legislation on Thursday, including one that would have closed a loophole that lets wealthy people protect millions of dollars in assets from creditors even after filing for bankruptcy.

The votes, victories for the bill's sponsors and setbacks for its critics, illustrated the broad support for the legislation, which has long been sought by credit card companies, banks and retailers.

Supporters said that if the legislation was relatively unaltered, it was likely to move swiftly through the House.

Still, supporters and opponents were preparing for a fight as early as next week over an amendment that would prohibit protesters of abortion clinics from using the bankruptcy law to shield themselves from judgments for violations of the

Freedom of Access to Clinic Entrances Act.

In previous congressional sessions, that provision has doomed the legislation, although it is not clear that supporters of the clinic access provision have enough votes for that amendment, or to sustain a filibuster in the Senate if it is rejected. Sixty votes are needed to break such an effort and limit debate.

The centerpiece of the legislation is a provision that would limit access by individuals to Chapter 7 of the bankruptcy code. Chapter 7 enables individuals to sharply limit payments on their obligations and get a "fresh start."

The bill would instead impose a means test that would prompt many people to instead file for bankruptcy protection under Chapter 13, which requires a repayment plan.

The means test would not be applied to debtors who earn less than the median income in their state. Those who earn more than that and can pay at least \$6,000 over five years would have to seek pro-

tection under Chapter 13.

Supporters say the measure is necessary to curb the abusive overuse of bankruptcy. But critics say it would impose heavy new costs on bankruptcy filers and it would be particularly hard on women and families devastated by high health care costs. They also say that, while the legislation hits poor and moderate income families, it ignores bankruptcy abuses by companies and wealthy people.

Sen. Charles E. Schumer, D-N.Y., proposed the amendment to limit the use of so-called asset protection trusts. His amendment would have limited the use of the trusts to shield assets only up to \$125,000.

Since 1997, five states have adopted laws that exempt from the bankruptcy code assets held domestically in asset protection trusts.

People who want to establish such trusts can reside anywhere in the nation — they only have to set up the trust through an institution in one of the five states.

Europe's Economic Recovery Ends, Fanning Fears of New Recessions

By Mark Landler
THE NEW YORK TIMES

FRANKFURT, GERMANY

Europe's economic recovery, fragile from the start, has fizzled out in recent months, fanning fears of a relapse into recession in Germany and other countries, and forcing the European Central Bank to put off a widely signaled rise in interest rates.

The bank said on Thursday that it would leave rates unchanged at 2 percent, the 22nd month that it has not budged.

Yielding to a wave of poor economic reports in Germany, Italy and elsewhere, the bank also revised downward its projections for growth in the 12-nation monetary union this year, to 1.6 percent from 1.9 percent.

"I am not an optimist; I am not a pessimist; I am a realist," said Jean-Claude Trichet, the bank's president, as he announced the more downbeat forecast at a news conference here.

While Trichet said that 2004 ended on a disappointing note, he was not prepared to write off this year, noting that European consumers appeared ready to start spending, and that the global economy remained buoyant, which would provide a market for European exports.

Nor has the bank given up its

intention to raise interest rates from their current level, a record low in the post-World War II period. Trichet worries that over time, the loose monetary policy will fuel inflation, though he acknowledged there is no evidence of that so far.

"Everybody knows that at a time, we will have to raise rates," he said. "That is anticipated by all observers."

That time, however, now seems likely to slip into the second half of this year, according to economists who watch the bank. They say the bank will need to sift through another set of economic reports to determine whether the setback is a temporary dip or something more serious.

On the face of it, the numbers are bleak. Germany's economy shrank 0.2 percent in the fourth quarter, and Italy's was down 0.3 percent. France and Spain, on the other hand, grew 0.8 percent each, nearly matching the growth in the United States. As a whole, the euro zone grew just 0.2 percent.

Despite the generally bad news, most economists are reluctant to declare Europe's recovery dead. There are a handful of contrary signs, most notably a positive January retail sales report in Germany.

"The bottom line is that we just

have to wait for more information," said Thomas Mayer, the chief European economist at Deutsche Bank in London. "It's far too early to call this a new downturn."

Among the biggest risks to Europe's prospects, Trichet said, is the price of oil, which settled at \$53.57 a four-month high, on Thursday. The bank's growth and inflation forecasts are predicated on lower average oil prices: \$44.70 in 2005 and \$42.20 in 2006.

The divergence in the performance of the two largest euro economies, Germany and France, also troubles some observers. They say it may hamstring the bank, which sets monetary policy through a governing board comprising the central bank directors from each of the member states.

"This means it takes much longer for a consensus-driven club like the ECB to come to a decision," said Joerg Kraemer, a senior economist at the HVB Group in Munich.

Like other economists, Kraemer said he was not particularly troubled by Germany's relapse into negative numbers in the fourth quarter. Other data, including leading indicators, suggest that growth might rebound in the second half of this year, as Germans begin to spend again.

American Military Detention Centers Reach Capacity as Ever More Arrive

By Edward Wong
THE NEW YORK TIMES

ABU GHRAIB, IRAQ

The American military's major detention centers in Iraq have swelled to capacity and are holding more people than ever, senior military officials say.

The growing detainee population reflects recent changes in how the military has been waging the war and in its policies toward detainees, the officials say.

The military swept up many Iraqis before the Jan. 30 elections in an attempt to curb violence and halted all releases before the vote. Other detainees have been captured in ambitious recent offensives across the Sunni Triangle, from Samarrat to Fallujah to the Euphrates River Valley south of Baghdad.

The Abu Ghraib abuse scandal also forced changes in the system, with the military working quickly last summer to try to weed out detainees who obviously did not belong in prison. Many of the ones

remaining are more likely to be denied release by review boards, military officials say.

As of this week, the military is holding at least 8,900 detainees in the three major prisons, 1,000 more than in late January. Here in Abu Ghraib, where eight American soldiers were charged last year with abusing detainees, 3,160 people are being kept, well above the 2,500 level considered ideal, said Lt. Col. Barry Johnson, a spokesman for the detainee system. The largest center, Camp Bucca in the south, has at least 5,640 detainees.

One hundred so-called high-value detainees, including Saddam Hussein and his closest aides, are being held at Camp Cropper, near the Baghdad airport.

"We're very close to capacity now," Johnson said.

The surging numbers of prisoners pose important challenges for the military. The Abu Ghraib scandal revealed that the military was

using poorly trained interrogators even as more detainees were swept into prison in the fall of 2003.

The military must hire enough effective interrogators and military intelligence officers to process detainees quickly, said Bruce Hoffman, an analyst at the RAND Corp. who has worked in Iraq with American policy-makers. Otherwise, innocent people languishing in the prisons, a fertile recruiting ground for the insurgents, could take up arms when they are freed.

Throughout the war, the American military has struggled to construct a detainee system that can handle a widespread and sophisticated insurgency, but never before has the system had to grapple with so many detainees.

On a recent morning here, military policemen marched 50 handcuffed men off a convoy that had just arrived from Tikrit, Saddam's hometown. Old and young, the detainees wore thin shirts or robes. Some were barefoot.

Court Ruling on Pakistani Gang Rape Overturned

By Salman Masood
THE NEW YORK TIMES ISLAMABAD, PAKISTAN

Five men sentenced to death in 2002 for their role in a gang rape that was approved by a council in a remote Pakistani village had their convictions overturned Thursday. A sixth man convicted in the case, which set off worldwide outrage, had his death sentence commuted to life in prison, lawyers in the case said.

The circumstances of the rape, in June 2002 in Meerwala, a dusty farming village in southern Punjab province, brought swift demands for justice, and the government moved quickly to bring the case to trial.

According to the prosecution, the Meerwala council ordered the gang rape of Mukhtar Mai, 30, as punishment for the alleged illicit sexual relations of her brother Shakoor with a woman from a rival tribe known as the Mastoi.

It was later revealed that he had been molested by Mastoi men who tried to cover it up by accusing him of having illicit relations with a woman from their tribe. Efforts to settle the dispute failed and the Mastoi, angry over what was considered a violation of their honor, demanded revenge. That revenge was delivered in the council approval of the rape of Mukhtar.

Fourteen men were charged in the case and six of them — the leader of the village council, a council member and the four men suspected of carrying out the rape — were convicted and sentenced to death in August 2002. The ruling of the court was widely hailed at the time by the public and human rights advocates, but the six men who were convicted maintained their innocence and appealed.

Bank of America to Pay \$460 Million in Worldcom Settlement

By Gretchen Morgenson
THE NEW YORK TIMES

Bank of America has agreed to pay \$460.5 million to settle with investors who bought Worldcom's stock and bonds before the telecommunications giant filed for bankruptcy in 2002.

The settlement was struck between Bank of America and Alan G. Hevesi, the comptroller of New York state and trustee of the states' Common Retirement Fund. Hevesi is the lead plaintiff in the case and represents investors who lost billions when Worldcom collapsed.

The bank said in a statement that it was in the best interests of its shareholders to put the litigation behind it. In settling, the bank denied that it had violated any law.

Lawyers for the New York fund have argued that the banks that sold Worldcom securities to investors did not conduct appropriately thorough investigation into the company's financial condition before the securities sales. For example, Worldcom sold \$12 billion in bonds in May 2001; just over a year later the company made the largest bankruptcy filing in history.

The banks have said that they relied on financial statements vetted by Worldcom's auditor and were duped by an accounting fraud at the company that many experts missed.

Global Aviation Record is Set As 'Flying Fuel Tank' Lands Safely

By Matthew L. Wald
THE NEW YORK TIMES

An audacious solo flight around the world — the first without stops or refueling — ended Thursday afternoon where it began as the GlobalFlyer touched down safely, its 13 fuel tanks nearly empty.

The plane, piloted by Steve Fossett, a 60-year-old investment executive and avid sailor, glider pilot and balloonist, covered about 23,000 miles on a zigzag course across the Atlantic, Africa, Asia and the Pacific to ride the tailwinds, which sometimes blew at 150 mph. It touched down shortly before 2 p.m. local time on Thursday at a former Air Force base in Salina, Kan., 67 hours after it took off.

The voyage, apparently the longest solo airplane flight in distance and time, was also a test of human endurance. Fossett, who emerged from his cramped cockpit through a small access hatch to the cheers of spectators and his ground crew, said he did not sleep at all for the first 24 hours, had only a few catnaps for the rest of the trip, and subsisted on a dozen diet milkshakes.

Fossett, who became the first to fly around the world solo in a balloon on his sixth attempt in 2002, said on the runway in Salina that this solo flight was "a major ambition."

U.S. Loses in Dispute Over Subsidy for Cotton

By Elizabeth Becker
THE NEW YORK TIMES WASHINGTON

The United States suffered a final defeat on Thursday in its dispute with Brazil over cotton subsidies at the World Trade Organization.

The organization's appellate body upheld a ruling last year by trade judges who said U.S. subsidies to cotton farmers broke international trade rules by depressing world prices and harming cotton farmers in Brazil and elsewhere.

The decision could force the United States to lower the subsidies it pays farmers to grow cotton and, eventually, other crops.

Rep. Clay Shaw, R-Fla., who heads the trade subcommittee of the House Ways and Means Committee, said: "If we want to keep exporting American cotton, we're going to have to abide by the WTO ruling. It certainly gives you cover to make some of the corrections needed."

The administration was more cautious. Richard Mills, the spokesman for the U.S. trade representative, said that "we will study the report carefully and work closely with Congress and our farm community on our next steps."

Brazil declared victory for itself and poor African nations that have complained about the subsidies.

Roberto Azevedo, the official who heads trade disputes at Brazil's Foreign Ministry, said on Thursday that "this decision ratifies what is just and what is legal."

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FORD/MIT

PHYSICS



Frank Wilczek

2004 Nobel Laureate in Physics

NOBEL LAUREATE LECTURE SERIES

The Universe
is a Strange Place

Monday, March 7, 2005
Kresge Auditorium • 4:00 p.m.
<http://web.mit.edu/nobel-lectures/>



In cooperation with the MIT Lecture Series Committee, Graduate Student Council, Undergraduate Association, Community Services Office, Industrial Liaison Program, and the Office of the Chancellor.

ARTS

CLASSICAL REVIEW

Calder Quartet Shows Great Potential On Kresge Stage

Guest Artists Perform Haydn, Debussy, and Bartok

By Jacqueline O'Connor
STAFF WRITER

Calder Quartet
MIT Guest Artist Series
Friday, February 25th, 2005
Kresge Auditorium

Quartets are like fine wines. They are created with the utmost care, raised with steady attention and constant guidance, and finally released into the world after a suitable level of maturity has been gained. Like each bottle of wine, each quartet has a personality and a unique flavor. The Calder Quartet, the latest performers in the MIT Guest Artist Series, is a group from a fine year, an excellent vintage, but one that was released a little too soon.

Their performance last Friday was quite enjoyable and yet lacked the subtlety of a great quartet. The group is comprised of members from across the country, including two from the Boston area, who met during their recent undergraduate studies at the University of Southern California. They are now the resident quartet of the graduate program of The Colburn School of Performing Arts in Los Angeles. Their program included Haydn's String Quartet in G Major, Op. 76, No. 1, Debussy's String Quartet in G Minor, and Bartok's Quartet No. 4.

Most younger quartets tend to excel at the faster, more exciting movements of pieces. These movements tend to be easier to interpret and show off a high level of technical prowess. Surprisingly, the Calder Quartet played rather standard and mundane interpretations of the fast movements, while their performances of the slower movements of each piece were really incredible. This reversal from the norm shows great potential in this quartet.

The quartet's propensity towards slower movements was highlighted in each of the three pieces. The Adagio sostenuto in the Haydn featured a very singing, sustained sound, different from the bright and jumpy sound the quartet used in the previous movement. Even through the quietest sections of the movement, the quartet retained a beautifully clear and present sound. The same attributes were heard in the Non troppo lento, the third movement of the Bartok quartet. This movement, a sharp contrast from the two frantic movements that frame it, featured an especially excellent cello solo in the opening and real control and composure from the

quartet as a whole. The high point of the entire concert, though, was the Andantino, doucement expressif, the third movement of the Debussy quartet. The impressionist character came through clearly, and their sound quality gave an ethereal feel to the piece. Violist Jonathan Moerschel played especially well in this movement throughout his many solos.

The first two selections, the Haydn and Debussy, were saved by their performance in the slow movements. The other three movements of each piece lacked the earthy tone and thoughtful interpretation of the slow movements. For example, the first movement of the Debussy highlighted great technical ability and great attention to the Impressionist subtleties, but at the same time, the sound seemed too bright and the transitions too rushed. The first, third, and fourth movements of the Haydn sounded immature and at times formulaic in the interpretation of the music. I completely understand how hard it can be to make Haydn sound remotely interesting, but even the Debussy, one of the greatest and most emotional quartets ever written, sounded hackneyed.

Like MITSO, a group close to our hearts who can nail a performance of The Rite of Spring yet flounder through an early Beethoven symphony, the Calder Quartet finished the performance with an exciting rendition of Bartok's Quartet No. 4 after an inconsistent first half of the concert. The quartet's technical ability came through during this grudgingly difficult piece. Besides their perfectly matched glissandos and complex pizzicato, the group was able to muster a decently interesting interpretation of the music. The Hungarian folk aspect of Bartok's writing was especially stressed and made the music a lot of fun to listen to. For a bunch of American guys, they seemed to be able to tap their long lost Hungarian roots.

I may have been too harsh on the Calder Quartet here. I really did enjoy the performance and see great potential in this group. They're talented and lively, and as seen through their moving performances of the slow movements, they have the emotional maturity to become one of the great quartets of the 21st century. I encourage everyone to follow this quartet closely. I have a feeling they will be at the top of their game in about ten years; they just need a little more time on the shelf.

JAZZ REVIEW

'Directions in Music' Point to Jazz Legends

Hancock, Brecker, and Hargrove Honor Contemporary Composers

By Jorge Padilla, Jr.
STAFF WRITER

Directions in Music: Our Times
Herbie Hancock, piano
Michael Brecker, saxophone
Roy Hargrove, trumpet
Symphony Hall
Sunday, February 20, 2005

Last Sunday, contemporary jazz greats pianist Herbie Hancock, saxophonist Michael Brecker, and trumpeter Roy Hargrove took the stage at Boston's Symphony Hall. The trio was accompanied by Scott Colley on bass and Boston's own Terri Lyne Carrington on drums. This unforgettable performance featured a wide variety of jazz music by Hancock, Brecker, and Hargrove, among other contemporary authors.

This program was a follow-up to a similar concert of the same name that took place in October of 2001 at the same venue. Directions in Music was a phrase coined by Miles Davis in the late 60's and early 70's. As Davis recalled in his autobiography, "I started putting 'Directions in Music by Miles Davis' on the front of my album covers so that nobody could be mistaken about who was the creative control behind the music."

The 2001 concert was a commemoration of the 75th anniversary of Miles Davis' and John Coltrane's births in 1926. "We all felt a responsibility to those we were honoring and to music in general," Mr. Hancock reflected, "... we wanted to convey what Miles and 'Trane were all about, reaching beyond what you know and exploring the territory you don't know." And so the program was justly named, "Directions in Music." Three weeks after their first performance, the group was recorded by Canadian Broadcasting during a live performance in Toronto's Massey Hall. The Verve CD, "Directions in Music," was awarded two Grammy Awards in 2003. Not a bad preface to the follow-up concert, eh?

Like most jazz concerts, this one started about 15 minutes late. We quickly forgot about that, though, as the band kicked off the night with, as Brecker put it, "a severely rearranged version of Herbie's 'Dolphin Dance.'" The tune was nearly unrecognizable at first, as it started with some synthesizer improvisation by Hancock. He captured my attention right away because I couldn't tell what tune he was playing or what was coming next. In fact, only about four bars of the melody were played during the free improvisation session. The electric introduction really

established a mystical, psychedelic mood. I remember listening to the soloists, especially Hancock, expecting one thing and getting the complete opposite. I was at the edge of my listening seat the entire night!

Hargrove was the first wind soloist to play. Man, he was awesome. What impressed me the most about his playing was his sincerity. He's a trumpet player's trumpet player because he moves all about the horn. He doesn't try to be a hero and play the highest note, but rather is a very sensitive musician and knows exactly when to climb and when to move. He orchestrates his solos by starting and perhaps repeating a groovy riff. Then he builds and just takes off under the hard groove set by Carrington and Colley. He plays much like this on record, but believe me, Hargrove live doesn't compare to Hargrove on record.

Brecker was nothing short of phenomenal throughout the night, with his huge sound on the tenor saxophone filling up Symphony Hall. He commanded with his rhythm, tone, and blistering fast licks.

After "Dolphin Dance," the group played a softer tune by Hargrove entitled "Brown." This tune featured a smooth two-horn melody. The group took a different turn here as well. Although the tune is very tender and melodic, the players were able to play intensely without losing the concept and feel of the tune. Herbie Hancock was most impressive at this. He was so unpredictable because he could play the fast licks of Brecker and completely change the course of a solo by playing melodically. Not only that, but he could flip you out with his complex, yet delicate chord voicings — both in solos and comping.

Next, the group played a new composition by Brecker entitled, "Loose Threads." This tune featured cross rhythms, beat displacements, space (rests), and a pseudo samba feel. The fourth tune of the night was another composition by Hargrove. This one, entitled "Poet," was a slow, trance-like tune full of melody. The tune featured Hancock on synthesizer and piano and Hargrove on the fluegelhorn.

The highlight of the night for many came as the introduction to Wayne Shorter's "Pinocchio." At this point all the band members save Brecker left the stage, and he pulled out his newest toy, the Electronic Wind Instrument, more commonly referred to as the EWI. With the EWI, Brecker could play any sound imaginable using the same fingerings as with the saxophone. He could also layer musical ideas over each other. At one point he practically orchestrated a piece by layering a drum groove, a bass line, and a horn riff together. He proceeded to solo over the tune he created before us with the EWI. Very entertaining!

At this point, the rest of the group joined the Brecker on the stage for a rock fusion version of "Pinocchio." Hargrove used what sounded like a guitar wa-wa pedal to alter his trumpet sound. He was a rhythmic master of this, as he used it to set the heavy groove of the group. The rhythm section was laying it down with a jazz rock beat in the back, and the ever-so-funky Hancock also got a chance to show off his chops on this one. The group blew the roof off the hall on this tune.

The group had an incredible empathy going for them that night. It was very reminiscent of the old empathy of Miles Davis' second great quintet, of which Hancock was a part. There was a certain fire about the group that filled up the place. I remember thinking that the players sounded like they were playing mad, like they were on a mission. Maybe the spirits of Davis and Coltrane helped spark a certain old intensity in them. Whatever it was, the band was on that night, going above and beyond all expectations.

RESTAURANT REVIEW

The Local 'Canteen'

Lunch Offering Welcome Addition to Regular Noontime Stops

By Yao-Chung King

Canteen
567 Mass. Ave.
Central Square, Cambridge
617-491-5599

Walking down Mass. Ave. in search of a quick lunch stop-off, I stumbled across The Canteen, in Central Square between Blockbuster and Pearl.

When I walked in, I was nodded forward by one of two men standing behind the bar in a white smock and hat. The Canteen serves sandwiches, salads, and soups from the bar, behind which stand two chefs, ready to put together your order.

The Canteen is Central Kitchen's experiment with lunch service. The space is small, comfortably seating 2-4 at each of its hammered bronze tables. On its dark walls hang square lighting arrangements of alternating

empty wine bottles and light bulbs.

I walked to the bar and ordered a Cubano (~\$8) before sitting down next to the oenophilic glow, which provided enough light for reading. I was the only college kid sporting a backpack and MIT 2006 hoody among the Canteen's patrons, mostly young professionals and older couples.

After a couple minutes spent people watching, my number was called and I walked up to the bar for my sandwich and ended up grabbing a bag of their Canteen Chips (\$2), which stood in white bags on the bar. The chefs sat ham and cheddar next to a moist, sweet dill to give the Cubano a surprising blend of flavors between thick panini-style bread. I liked the sandwich. The coleslaw on the side was simple slaw soaked in vinegar and basil: decent, but not worth a separate order.

Cooked fresh daily, the chips tasted like what I imagine a fresh batch of un-burnt Kettle

Chips should taste like: crisp, lightly salted, and still slightly moist from the cooking. The Canteen's chips give its crunch without the toughness of its Kettle competitor. Boxes (\$4) are available when a bag isn't enough, and after sampling, there's no wondering why they added a whole box of their chips to their lunchtime menu.

In a nutshell: the Canteen is a short eight minute walk from MIT and serves as a nice out-of-the-way if you've already gotten tired of having a daily Anna's quesadilla. It's pricier than most campus food (~\$8 for full sandwiches, ~\$5 for their mini counterparts, ~\$8 for salads, and \$5-6 for soups) and better suited for company. All of the lunch food is made when you order it (you can even watch the chefs prepare if you'd like), and the chips are a must try. Great for a get-to-know-you lunch with a prospective when schedules are tight and there's only one available hour.

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Review for *The Tech*
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OPINION

Who Can Best Improve the UA?



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Rarely do Undergraduate Association elections offer such differentiable tickets as those of John M. Cloutier '06/Jessica H. Lowell '07 and Calvin G. Sizer '06/Bryan D. Owens '07. While they share limited similarities — an emphasis on improving communication between students and the UA,

Editorial

preserving time for dormitories and living groups during Orientation, and pushing for more dining options — the resemblance ends there.

Sizer and Owens, having both previously occupied seats on some of the UA's committees, are the relatively more experienced ticket. Sizer currently serves as Coordinating Committee Facilitator, while Owens is Baker Senator and a member of the Committee on Housing and Orientation. None of these roles can be expected to fully prepare the candidates for the offices they seek. Given Cloutier's lesser experience and Lowell's last minute, though well-followed-through upon, run for East Campus UA Senator, the two qualify as an "outsider" team in comparison.

This difference in backgrounds makes for an important difference in their plans for the UA. Sizer and Owens seem to be taking the safe road by highlighting goals that are already held by the MIT administration or departments. Supporting the new minor in Management hardly seems like a necessary effort when the department is already behind it. Similarly, when Dean for Student Life Larry G. Benedict has himself stated a vision for creating a leadership institute at MIT, it's not clear that this is the issue that most needs UA advocacy.

Cloutier and Lowell, however, have a worrying tendency to aim far too high. By promising in their platform to achieve a "Freshmen on Campus Compromise," through which they plan to bargain with the administration and get freshmen into FSILGs after their first semester, they have promised the unrealistic and impossible. The UA is woefully

underpowered when it comes to negotiations, so the idea of reaching a "compromise" with nothing to bargain with is implausible. Given that former President Charles M. Vest forbade one of his own committees from discussing the policy, it seems unlikely the UA will prove able to break the impasse. Ambition is valuable, but the UA needs substantial achievements to its record, and that means picking winnable battles.

Ultimately, it's one thing to understand the candidates, but the jobs they seek have a complexity and obscurity all their own. Steering the UA is quite a task, and one that can be done well, poorly, or absently. A reoccurring theme in discussion of the UA is its monstrous size, lack of cohesion, and less obvious relevance when compared to more focused organizations, such as the IFC. Easily, the biggest problem facing the UA today is putting itself in order. The Sizer and Owens ticket, unfortunately, has not distinguished itself as recognizing the need for fundamental or deep change in the system. Organizations typically have a difficult time correcting themselves, and greater experience in the UA does not help Sizer and Owens here.

Cloutier and Lowell do bring something different to the table. Understandably, they would take a while to get rolling, but after a period of familiarization, their efforts seem most likely to lead to the sweeping reform that the UA needs. There's a chance Cloutier and Lowell could hit a brick wall of bureaucracy, and also that they could make the difficult changes necessary to really improve the UA. To Lowell's credit, she seems to have the potential to be angry and passionate enough to get the job done. Political correctness and sociability can write documents, but the drastic changes that the UA needs require more personal firepower.

The UA is in need of reform, and while Cloutier and Lowell have overambitious expectations of their own power, they seem to be in the best position to give the UA the internal changes it needs.

Letters To The Editor

On '06 RingComm

As a member of the 2006 Ring Committee, I was invited to attend the Class of 2007 Ring Premiere this past Sunday. I think there were some important lessons for future Ring Committees as well as for our MIT student community as a whole.

The presentation given by the 2007 Ring-Comm tried from the start to distance themselves from what they perceived as major mis-

takes made by the previous year's Ring-Comm. The committee's presentation called out the various quirks of the 2006 brass rat design, including coonskin caps, PRS units, and the infamous Phi Theta. Referring to the protest over Phi Theta, they stressed that they avoided any feature on the 2007 brass rat heinous enough to deserve a T-shirt mocking it. The committee made it clear that they had designed the 2007 ring in response to the most

strongly voiced complaints about the 2006 ring. During the presentation, I asked myself, "Are they doing this just to make the class of 2006 look bad? What's the point of that?"

Speaking from just my own experience on RingComm, I would say that the 2006 Ring-Comm started from scratch, tried very hard to squeeze ideas out of the class, and did its best

Continued on Page 8



Opinion Policy

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An Open Letter To Cassi Hunt

Dear Ms. Hunt,

If I understood your column (“Overcompensating”, Mar. 1) correctly, you are upset because when you mention that you are studying physics,

Letter to the Editor

many people at MIT congratulate you for breaking social norms, mention other female physicists they know, and ask you for your perspective as a woman studying physics. This is “the most debilitating source of discrimination [you’ve] experienced so far,” a discrimination fostered by “chick empowerment groups.”

Ms. Hunt, I understand the desire to just blend in. I recently received a questionnaire from my department asking for my perspective on graduate admissions as a Puerto Rican in the sciences. This gets annoying when all you want is to be a member of the team like anyone else.

Over the years, though, I’ve developed a

system for dealing with these moments. I call it “Get Your Head Out of Your Hindquarters and Grow Up.”

If you’d been born at any other time, you would’ve been the property of your father until your husband took over, and if he beat you, well, too bad, because unless the stick he used was bigger than his thumb, no court in the land would’ve raised a finger to help you. Heck, you wouldn’t even have been able to vote until eighty-six years ago. No one cared about your great-grandma’s opinions.

That’s not the case for you because you were born in the right place. Many parts of the world still have all of the above with a side order of rape, genital mutilation, female infanticide, and honor killings.

You’ve been spared from all of this because of the hard work of millions of women and men throughout our history to ensure that in school, in the workplace, in the church, in the government, and in the law you are treated as a human being, no different from any other. People fought and died to get the Fourteenth Amendment, the Nineteenth

Amendment, the Civil Rights Act of 1964, and Title XI just so that you can say what you think, study what you want, and live how you choose.

The worst discrimination you’ve ever felt is people asking you what it’s like to be a woman studying physics? That’s because “chick empowerment groups,” made up of people like me who believe in equality for women, have had your back your entire life. And we will in the future, too.

We’re working to ensure that you don’t hit any idiotic roadblocks in your life and career that prevent you from reaching your full potential. We’re working to ensure that, fifteen years from now, you don’t face a tenure committee made up of people convinced that women simply don’t have what it takes to be physicists. We’re working to ensure that if you are harassed by a co-worker or a supervisor, your complaint will be heard, and the harassment will stop. We’re working to ensure that you will be paid the same as a man with the same qualifications, rather than the seventy-three cents on the dollar women earn

now. And yes, we’re working day and night to increase the number of women in the sciences so that being a woman in physics won’t be notable anymore.

To do all this, we need to know what being a woman studying physics is like. We can’t fix problems that no one talks about. And yes, we’ll praise you for reaching for your dreams, and we’ll go on about other women we know who are studying physics, Marie Curie, Ellen Swallow Richards, and all the rest. That’s because we know it’s awkward to be in the vanguard, but someone has to go first, and we’re glad you had the gonads to do it.

I’ve been a little harsh here, but you need to know the stakes. Right now, women are not treated equally; they should be, but they’re not. Many of us want to change that. You don’t have to help — you don’t even have to appreciate it — but think about it, okay? Then get back to smashing particles together, because we need more women who like smashing things.

Sincerely yours,
Matt Alvarado G

Big Brother Lives on Your Floor

Vivek Rao

If you visit the Web sites of the Division of Student Life and some related departments, you’ll find a series of cleverly crafted statements of mission and purpose, filled with gushingly positive rhetoric. The DSL “leads campus efforts to set new standards for excellence in integrating living and learning at the Institute.” The Department of Student Life Programs “focuses on supporting the learning experience for all students at MIT in the areas of intellectual, personal and social development that occur beyond the classroom.” And Residential Life Programs “[collaborate] on initiatives designed to create a healthy and supportive environment.”

Wow. Pretty impressive, huh?

Yet if recent (and not so recent) events are any indication, scratching beneath the surface of these flowery mission statements reveals an organization’s amateurish lack of accountability and striking disregard for the opinions and concerns of its purported constituents — the students.

Residents of Burton One, my floor, recently received an email from Andrew J. Ryder, assistant dean of RLP, informing us that our Graduate Resident Tutor’s apartment will be renovated in June. Roughly half of it will house a Residence Life Associate, and the remaining half will be GRT space.

For those unaware, the RLA program began in 2001, when several RLAs were moved into dorms across campus. While such a system of providing an additional person to support GRTs and housemasters certainly has some benefits, it also has the potential to hamper student life, and that move saw significant opposition from students and living groups.

Ostensibly, RLAs serve to improve crisis response, organize events and study breaks, and improve communication between dorm residents and the administration. But the fact is, their presence in student living spaces raises

a host of concerns on the part of students.

First, fear of a Big Brother-like situation, whether it be paranoia-driven or justified, is a reality. Despite the best efforts of people like Associate Dean for Community Development and Substance Abuse Daniel Trujillo, students remain skittish about the reactions of administration and campus police to emergency situations, especially those involving alcohol abuse. While attempts to clarify policies and procedures have been made, they have not yet

eased students’ worries and concerns. GRTs and housemasters undergo an extensive resident interview process, qualifying them as student advocates. RLAs, on the other hand, are directly appointed by MIT and have a less-established role in dorm life. The presence of such an administrator in a living group to which they have no specific ties — the RLA position in question covers MacGregor and Burton-Conner, not just Burton One — undoubtedly places that living group in an uncomfortable position. In extreme cases, this could conceivably cause students to cover up potentially dangerous situations instead of actively seeking outside help.

A second concern involves constituency. As stated above, the vast majority of the students under the incoming RLA’s jurisdiction live outside Burton One, with a significant portion of those not even living in the same dorm. If RLAs are indeed the valuable resources that DSL would like us to believe they are, then it is likely that Burton One would experience a significant increase in non-resident traffic, posing an obvious security risk that compromises residents’ peace of mind. Having RLP space in dorm common

areas already represents a questionable intrusion; bringing such space right up to individual students’ doors takes us even further down that slippery slope.

For these and other reasons, ranging from negative impact on the floor’s ability to recruit new freshman to misallocation of resources that could better support the established GRT/housemaster system, Burton One’s — and Burton-Conner’s — residents objected to the RLA proposal when it was first forced upon them in 2001. At the time, students were particularly livid that they had not been consulted at all during the decisionmaking process.

James L. Hardison ’02, then a resident of Burton Third, voiced his displeasure to *The Tech* [“Despite Controversy, RLAs Move In,” Aug. 30, 2001]. “What burns me about this situation is that no one thought to clue in the residents,” said Hardison. “By that I mean notifying affected residents of what is going on in a timely enough manner so that those residents can give their input.” After a series of discussions and protests, a compromise was reached, with RLP deciding not to move an RLA onto Burton One, and instead setting up an office in Burton-Conner common space.

Now, less than four years later, it appears that the administration is repeating its mistakes, either out of ignorance or a blatant disregard for students — the “S” in DSL. While plans for the latest decision have been in the works for nearly a year, residents were not given notice until just a couple weeks ago. Interestingly, this second attempt at moving an RLA in comes just after the departure of the floor’s previous GRT — a vocal opponent of the 2001 decision — and the graduation of

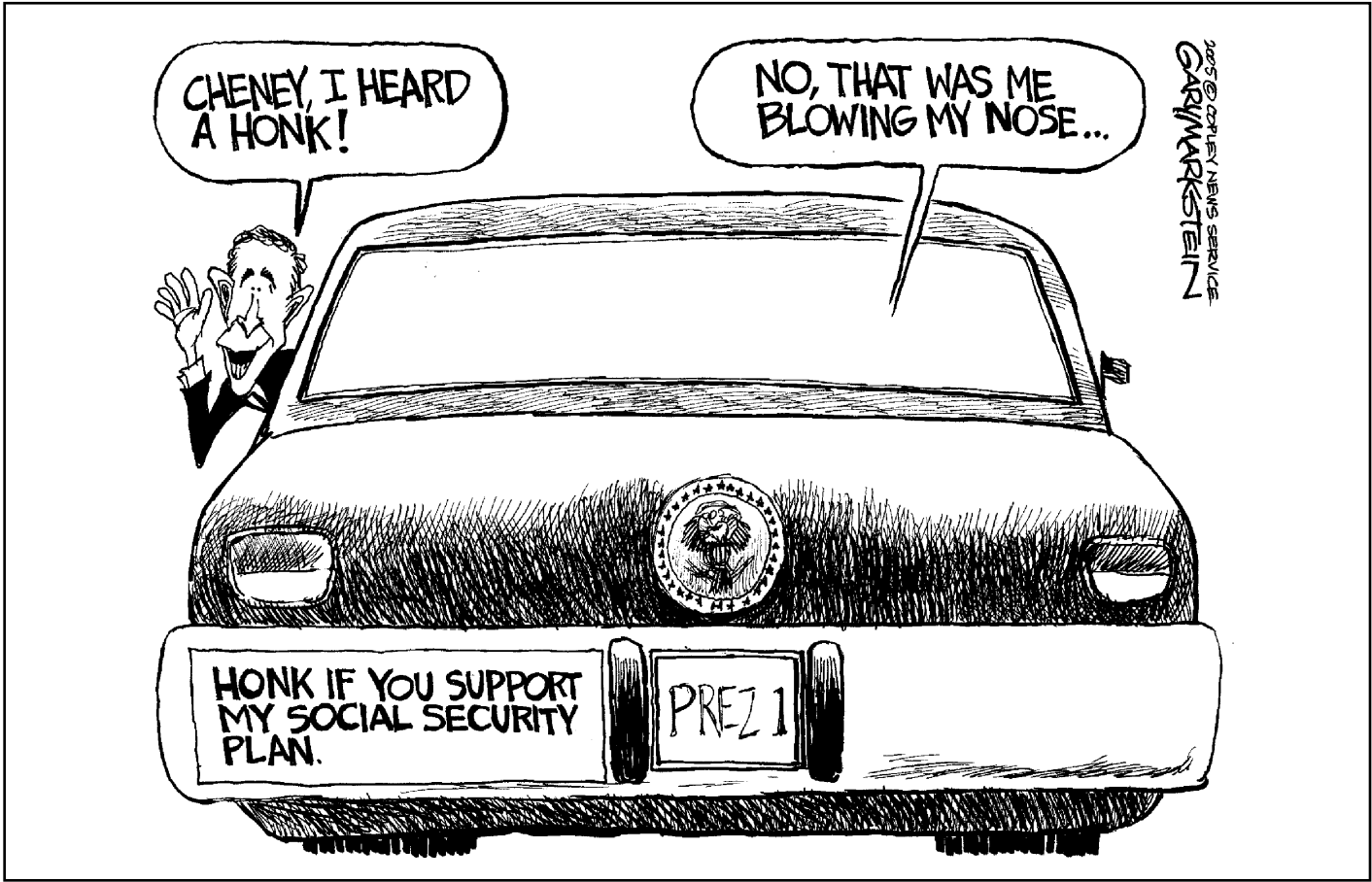
any students who were around during the first go around. At this point, attempts at student involvement appear nothing more than a placatory afterthought rather than a genuine search for input. Ryder visited Burton One recently to help answer questions about the proposed change, but was woefully uninformed about key issues such as the timeline of the decisionmaking process. The fault is not his, for he is new to his position, but MIT clearly should have sent a representative with more background knowledge.

It is time that MIT’s allegedly student-supportive departments learn that their constituents deserve, at the very least, to be heard in matters that directly impact their daily lives. Far and away the biggest concern here involves community awareness and involvement. It is obvious that the Institute did a financial cost analysis on the project. They are no doubt required to do so. However, it is also clear, both in the plan itself and in the methods they are using to execute it, that the cost on the dormitory community was not taken into account. For all of DSL’s talk about trying to foster student community at MIT, any plan that does not take into account present, active, and vital student communities and their views is simply unacceptable.

To this point, discussions with administrators have witnessed a universal lack of accountability, with few, if any, claiming to have a fundamental understanding of the decisionmaking process. Someone in DSL or another department needs to step up and take responsibility for the grievous error of not seeking timely student input. After all, student life policies and decisions should factor in students’ opinions on their own lives.

Let’s start the process over. Let’s scrap plans to begin construction as early as June. Let’s discuss our desires and concerns like civilized people, organizations, and communities. Let’s reach a decision — together.

Now, less than four years later, it appears that the administration is repeating its mistakes, either out of ignorance or a blatant disregard for students — the “S” in DSL.



News
Opinion
Sports
Arts
Campus Life
Photography
Business
Technology
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Innovation is an MIT Tradition, Too

Chen Zhao

There is always controversy after the premiere of the Brass Rat simply because people have different tastes and people value different memories. However, I am astounded and utterly disappointed that there are people who are upset enough about the fact that there is a woman and a man on the ring that they would be willing to stage a walkout at the Ring Premiere and send a mass email to start a petition to alter the design.

Why should the ring have two men on it? As far as I understand, because it is tradition. I have said many times and will continue to say that tradition is one of the worst justifications for an action. Yes, I do value certain traditions, and I recognize that they are an integral part of society. However, traditions and symbols are not and should not be static. When a tradition or symbol is no longer representative of that society or is blatantly prejudiced in some way, it needs to be changed.

Let me bring up an example. The Constitution says that black people are worth the equivalent of three-fifths of a white person. Also, according to the Constitution, black people cannot vote. I hope everyone agrees that this is just plain wrong. Fortunately, some time back in history, other people also realized the inappropriateness of those sections in the Constitution, and amendments were made. The Founders, when drafting the Constitution, also realized that they would make mistakes. So, they allowed for amendments, like any rational people would.

Deciding when to change a tradition is a

tricky business, I'll admit. There are no clear guidelines, and there are those annoying gray areas. I'll borrow a quote from Justice Potter Stewart to make my point here. When asked how he knew when something was pornographic, he said he used what he called his "Casablanca Test," meaning "[He] knows it when [he] sees it." At this point in the history of MIT, it is clearly past time to ensure that the seal on the Brass Rat reflects the true population of the Institute.

We should congratulate the Ring Committee for taking this innovative step forward in the true spirit of the Institute. Critics of the woman on the seal say that the altered seal is not representative of our heritage. From what I have experienced, what MIT is all about is innovation, taking risks and pointing out the right direction for the future. The Ring Committee has evidently realized that being true to how MIT students think is more important than being true to a 141 year old seal.

Why is it appropriate to have a woman on the seal? Quite simply, women make up almost half of the population at MIT. Let me throw out some statistics. Women constitute 49 percent of the class of 2007 and 43 percent of undergraduates. Women have attended MIT since 1871, merely after a decade after MIT's founding, and MIT has never adopted the policy that it is a single-sex institution. This year, we have seen the inau-

guration of our first female president, Dr. Susan Hockfield. It is beyond obvious that women are a significant presence on this campus, and the ring that adorns our fingers and represents the Institute to so many outsiders should reflect this fact.

Does this mean that our ring should now be completely politically correct? No, not

necessarily, but we should do what is reasonably in our power to make sure that it represents MIT. For instance, some have pointed out that there are no African Americans on the ring. Well, for one thing, the design is not in color. Secondly, there are only two people on it, so it would be

difficult to represent every ethnicity. Two people, two genders does seem to work quite nicely though.

The founders of MIT called for a "cooperation of intelligent culture with industrial pursuits." Women are just as much a part of this intelligent culture as men at MIT. We work as hard as men do, we contribute as much as men do, and we deserve to be incorporated as much as men do in every aspect of this place. Women are not "the current hot political issue." The movement for women's equality is centuries old. We are half of the world's population, almost half of MIT's population, and an integral presence in society that deserves to also be an integral part of that which represents a specific society.

From what I have experienced, what MIT is all about is innovation, taking risks and pointing out the right direction for the future.

Letters To The Editor

Continued from Page 6

to represent our class's characteristics and experiences on the ring. If we stumbled, hey, we were 10 people working by ourselves for half a semester. However, I don't remember ever designing our brass rat to make up for failings in the 2005 design — we were only concerned with doing the best job for the class of 2006.

At the 2007 Premiere, the reception for certain features on this year's brass rat was pretty cold. I really think that part of the class's dissatisfaction came from the 2007 RingComm's not having spent enough time putting all the things they *wanted* on the ring, as opposed to merely avoiding things the class did not want. The same applies to each class's experience at MIT. Instead of so often resorting to comparing ourselves to other classes, perhaps we should focus more on those things that are wholly unique to our own class.

Meng Mao '06

From Your "One Glaring Exception"

In response to last Friday's article "'The Vagina Monologues'— Matter Reclaimed from The Black Hole," I was both offended and appalled that such a misdirected account of the show could be published. The article's author, Monica Byrne, chose one small line from the production to misquote and use as a representation of what she called "sinister sentiment." As the actress who addressed the audience with the words in question, I find it utterly shocking that anyone would so obviously misconstrue my message.

I would like to clarify the single line upon

which she bases her entire argument. First and foremost, the line was delivered in a tone of clear jest. It was not intended as a statement of any sort, and I feel that her (inaccurate) reproduction of my words without any mention of the manner in which they were delivered is a clear exploitation of the joking nature of my piece.

Second, her interpretation of my line, and of the Vagina Monologues as a whole, left much to be desired. She states, "The current gender-polarized society denies as much to men as it does to women." Yet, the VMs never once addressed what society has denied women. Jobs, equality, and general opportunity are never mentioned. What the VMs are truly focused upon, and what my comments throughout the show hoped to support, is the empowerment of women to speak up about sexuality and speak out against violence, both sexual and otherwise.

Another misrepresentation of my performance comes from where she says that my Vagina Happy Fact (the scientific comparison between the number of nerve endings found in the clitoris and those found in other parts of the body; the penis was not the only one mentioned), was "repeated like a mantra throughout the play." She failed to mention that after my first appearance, I only returned to stage when requested by the audience. She also seemed not to notice that I was more often called back to stage by men than by women, a surprising finding if my piece did, in fact, "alienate men."

The haphazard configuration of this article, in culmination with the inclusion of several unrelated topics such as the state of the U.S. government, could only lead me to the question, exactly who is it here that took the "cheap shot?"

Danielle Pigneri '07

Where to Find Bike Safety

I am responding to the article about bicycle facilities in the Feb. 25 issue of *The Tech*.

First, let's dispel some confusion in the *Tech* article by distinguishing between bike lanes, which are in the street, and bike paths. I would like to know on just what basis Robert Simha and other MIT planners conclude bike paths adjacent to the street — "bicycle sidewalks" — are safer than lanes in the streets. MIT does not do itself credit as a first-class scientific and engineering institution by supporting this position. Every scientific study that has compared the safety of streets with that of bicycle sidewalks has determined that the streets are safer. I applaud the City's opposition to MIT.

For those who may wish to explore this topic further, a critique of the bicycle sidewalks on Vassar Street, which were installed over the objections of knowledgeable bicyclists, may be found at <http://www.truewheelers.org/cases/vassarst/index.htm>.

A review of research on the subject of bicycle sidewalks may be found at <http://www.bikexpirt.com/bikepol/facil/sidepath/index.htm>.

A tutorial on how to ride a bicycle safely in mixed traffic may be found at: <http://www.bikexpirt.com/streetsmarts/usa/index.htm>.

I'm sure that MIT students are intelligent enough to learn how to ride safely. The Institute would do much better to orient you in how to ride safely in the streets, than to promote, finance, and construct facilities that are less safe.

John S. Allen '75

Check one:

☐

Stick it to the Man

☐

Apply gingerly to the non-gender-specific Authority Figure

Write Opinion for *The Tech*
opinion@tt.mit.edu

COMMITTEE ON CAMPUS RACE RELATIONS



Celebrate...
diversity
uniqueness
strength
unity
achievement
struggle
knowledge

CCRR week

March 5 - 12
2005

Join the Committee on
Campus Race Relations for a
week of events and
programs celebrating race
and diversity.

Saturday, March 5
Haitian Drum and Dance
A performance presented as part of
the Western Hemisphere Project's
Series on Haiti.
Room 50-354A, 2:00pm

Monday, March 7
**Dinner and Discussion, Hosted by
the Arab Students Association**
McCormick Hall, 8:00pm

Tuesday, March 8
**The Haitian Revolution, 1791-1804:
Issues and Aftermath**
Presented as part of the Western
Hemisphere Project's Series on Haiti.
Room 4-237, 7:00pm

The Color Purple
Film screening presented by
Advocates for Awareness (AFA)
and the CCRR.
Room 2-105, 6:30pm

Wednesday, March 9
Professor Toni Lester
The author discusses her new book
*Race and Sexuality: Charting
Connections*. A Q&A session and infor-
mal reception follows the discussion.
Room 14E-204, 5:30pm

Charles Holt in *Black Boy*
A one-man show depicting the
troubles of African Americans in the
South. Followed by a Q&A session.
Morss Hall, 5:00pm

Even the Women Must Fight
Film screening and discussion on racial
stereotypes of Vietnamese women.
Room 6-120, 7:00pm

Thursday, March 10
**Evelyn C. White, Author of *Alice
Walker: A Life***
The author, with MIT Professor
Helen Lee, discusses the life of
the first Black woman to win the
Pulitzer Prize in fiction.
Room 6-120, 5:00pm

Friday, March 11
Human Rights in Haiti
A talk presented as
part of the the Western Hemisphere
Project's Series on Haiti.
Room 4-237, 7:00pm

Saturday, March 12
Yo Soy Latina
A play about women trying to make
sense of what it means to be a
Latina in America.
Room 10-250, 7:00pm



web.mit.edu/ccrr/ccrr/events.html

Trio

TRIO WEBSITE: ALUM.MIT.EDU/WWW/EMIE

by Emezie Okorafor



by Brian Loux



by A.K. Turza



BizToons

BY JENNIFER LÓPEZ



Get the BizToons book, "You Can't Fire Me, I Still Have Business Cards Left!" now at Amazon.com and the MIT Press bookstore !

One Screw Loose

by Josie Sung



FoxTrot

by Bill Amend

Dilbert®

by Scott Adams

KRT Crossword

Solution, page 14

ACROSS

1 Clerical vestments

5 Granite block

9 Cast a shadow

14 Singer Falana

15 ___ Alto, CA

16 Increased staff

17 Paid players

18 North Carolina university

19 Suspect's story

20 Start of Bertolt Brecht quote

23 Strengthen by tempering

24 Makes a lap

25 Proofreader's marks

28 New Orleans team

32 Part 2 of quote

35 Elicits

37 Flit

38 Catchall check-box

40 Part 3 of quote

41 Cleveland suburb

42 Weaving machine

43 Lay down fresh tracks

45 Part 4 of quote

46 ___ State Building

48 Ermine in summer

50 Six-shooters

52 Wistful

56 End of quote

61 Homeric epic

62 Part of U.A.E.

63 Tiny insect

64 "Divine Comedy" poet

65 Streamlet

66 Wolf modifier

67 Come in

68 Joint with a cap?

69 Work units

DOWN

1 First Greek letter

2 Actress Sophia

3 Mishandled

4 Pageant bands

5 Relieved

6 Tra followers

7 Baseball family name

8 Deep tolls

9 Type of daisy

10 Landscape slope

11 Operatic melody

12 Cotillion newbies

13 Correct proofs

21 Formula Western

22 Snake's warning

26 Use a diapason

27 Glasgow populace

29 ___ a one

30 Family diagram

31 Sports fig.

32 Perforation

33 Bomb type

34 Mall unit

36 Coup d'___

39 Relocate abroad

41 Stubble

43 Big budget item

44 Fit for drinking

47 Steering mechanism

49 Get goosebumps

51 Greg Norman's nickname

53 Mexicali mister

54 Plucked sound

55 Politico Kefauver

56 Take cover

57 Distinctive flair

58 "___ Too Proud to Beg"

59 ___ go brag!

60 Bundled package

MIT Kinaesthetics Lab’s “Laws of Motion” Concert



The final performance of the MIT Kinaesthetics Lab’s “Laws of Motion” dance concert will be held this evening at 8 p.m. in Kresge Little Theater. Counterclockwise from above:
William B. Ouimet G, Stephanie S. Chiesi, and Elizabeth MacEnulty (left to right) perform in “Listen.”
Lisa Morse performs the first part of “The Clown Bride.”
Anna D. Bergren ’05, Irit Rappley, and William B. Ouimet G (top to bottom) perform in “Transient.”
Irit Rappley stands on William B. Ouimet G in “Transient.”
Irit Rappley performs in “Conversation Piece.”
Martin Case plays a musical accompaniment for a portion of the Kinaesthetics Lab show.
Photography by Omari Stephens



Athena Hack Shows Little, Called ‘A Moral Failure’

Athena from Page 1

“My advice to people, if they’re a little bit uncomfortable, is to change their password,” Schiller said.

Schiller said they are not yet sure whether the person responsible for last week’s attack was involved in this one. He declined to comment on the steps IS&T is taking to catch those responsible or on the number of people believed to be involved in order to avoid compromising the investigation.

‘We were aware of the risk’

Though the group’s e-mail suggested that they had discovered a failure in Athena security and were asking IS&T to fix it, Schiller said that they have always been aware of the risk of allowing root access.

It’s a “situation that we’ve been in for the 20 years we’ve had Athena workstations,” Schiller said. However, in the past “we’ve had a community that is reasonably respectful,” he said. “We were aware of the risk 20 years ago.”

Schiller said that the decision to publish the root password was made because “it wouldn’t matter,

they’d become root anyway,” referring to Athena users’ persistence. Publishing the password, he said, removes the challenge and also suggests to designers that they take into account the possibility “that the person sitting in front of them is the enemy.”

Though there are alternatives to password verification, they are costly and still do not provide complete security, Schiller said. One such alternative would be SecurID Authentication, which uses a device that can be attached to a keychain.

“To go to that type of system would be significantly expensive,” Schiller said, and the cost would be to the MIT community. Schiller estimated the cost in software alone to be hundreds of thousands of dollars, in addition to administrative and upkeep costs.

Even with a system such as SecurID, users would still be able to put harmful programs and viruses on machines to do things such as copy someone’s files.

Schiller said that the incident is “not a clever technical thing” but instead a “moral failure” on the part of the person responsible. He

said that the group did not point out anything that IS&T did not already know and were simply “behaving in a threatening way, and that’s not appreciated.”

If caught, expulsion a possibility

Schiller said that those responsible violated a clear rule against tampering with public workstations as well as principles of the MIT community in general.

He said that once the perpetrator is caught, the situation can be handled in any number of ways, depending on the individual. Possible punishments range from community service to referral to the Committee on Discipline.

Chair of the Committee on Discipline Margery Resnick said that IS&T has the option of referring any case to the COD and will review anything brought to them, though they don’t seek out cases. Resnick also said that the COD would be involved only if the responsible individual is a student.

Schiller said that once the case is referred to the COD, the student could face expulsion. “If they were expelled, I wouldn’t be surprised,” Schiller said, noting that the person

E-Mail Sent to IS&T

The following e-mail was sent late Tuesday night to officials in IS&T, and copied to the Student Information Processing Board and The Tech. It was sent from a Yahoo! e-mail account and included a file containing 628 Athena usernames and passwords.

Athena security sucks. Bring bitbucket back. We don’t need bitbucket to haxx0r your passwords. Here are some passwords. It took us less than 24 hours to get all of these. Please fix athena so that this doesn’t happen. And by fix, I don’t mean change the root password. If we can gain access to your computers, we can root them. Using not just passwords for authentication is a good start. Good luck resetting 600 or so passwords.

Email us back if you have any questions.

Sincerely,

The Athena Insecurity Squad

would not be the first to be expelled “for misbehaving in cyberspace.”

Schiller also said that rarely will IS&T make the decision to take away somebody’s Athena account. Instead, they will “write them up to normal disciplinary matters.” He said that students should understand that they are not so much putting their Athena account at risk as putting their membership in the

community at risk.

Previous hacks mostly harmless

Schiller said that this type of hack has happened over the years, though usually on a much smaller scale, and are often harmless.

For example, in 1989 the Athena owl on the login screen was replaced with a grumpy fuzzball. The owl was also inverted once on Friday the 13th.

JOHN TRAVOLTA UMA THURMAN

BeCool

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MUSIC BY JOHN POWELL EXECUTIVE PRODUCERS F. GARY GRAY ELMORE LEONARD AND MICHAEL SIEGEL PRODUCED BY DANNY DEVITO MICHAEL SHAMBERG STACEY SHER
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IN THEATRES FRIDAY, MARCH 4TH

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Lobby 10 Lounge '05 Gift Recipient

By Michael Snella
STAFF REPORTER

The Senior Gift Campaign kicked off on Tuesday, Mar. 1 and has already received pledges from 4.8 percent of the Class of 2005, partly in support of a new lounge planned for the Cashier's Office space.

Senior Gift Advisor Richard J. Jacobson said the campaign's goal is a 50 percent participation rate, the highest in 20 years. Last year's class had a 30 percent participation rate with \$32,597 in gifts, which was up from 25 percent and \$29,312 the previous year.

Seniors can designate their gift to support several MIT programs. "They can give to any part of MIT," Jacobson said, including the Undergraduate Research Opportunities Program, athletic and student groups, and living groups through contributions to the Independent Residence Development Fund.

New lounge is 2005 project

Contributions can also be made to the Class of 2005 Lounge Fund, which will go towards the creation of a public lounge adjacent to Lobby 10 in what is currently the Cashier's Office.

"The lounge is already approved and going forward," said Jacobson, but the design is still in the works.

Funds will go towards the construction and future renovation of the lounge, as well as for furnishings.

Fibonacci Challenges

Students are being encouraged to take the Fibonacci Challenge, a five year pledge starting with a \$10 gift before graduation. Annual contributions increase from another \$10 after graduation to \$20, \$30, and \$50 during subsequent years. "We've been doing the challenge since the class of 2000," said Jacobson, who said it is a successful way to raise funds and increase participation.

Gregory E. Moore '73, former chair of the Alumni Fund Board, is this year's Fibonacci Challenger. Moore will match \$50 per gift if the Campaign achieves 50 percent participation.

MIT Western Hemisphere Project

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CC+R

MIT Committee on Campus Race Relations

THIS PROJECT RECEIVED FUNDING FROM CCR.

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MIT Figure Skating Club

presents

SKATING EXHIBITION

Sunday, March 6th

2pm at

The Johnson Athletic Center

Massachusetts Institute of Technology

FREE ADMISSION

Solution to KRT Crossword

from page 11

ALBS	SLAB	SHADE
LOLA	PALO	HIRED
PROS	ELON	ALIBI
HEWHO	LAUGH	SLAST
ANNEAL	SITS	
	STETS	SAINTS
HAS	EDUCES	DART
OTHER	NOT	BEREA
LOOM	RETAPE	YET
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	GUNS	TRISTE
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Students Enjoy English Culture

CME, from Page 1

ences department joined the CME program this year because of student interest, said Professor Mary C. Potter, coordinator for CME in Course IX. Enders said that Course IX may have two or three applicants.

She said that Course XII and perhaps Course XVII will be included in CME next year. In Cambridge, the Biochemistry Department joined CME this year.

Enders said that there seemed to be a large number of applicants from Course X and Course VI this year.

A different life in Cambridge

Enders said that students will be chosen to study in Cambridge next year based mostly on “whether the student will thrive” in a different learning environment.

Potter said that such a student needs to be “mature, confident about time management, and capable of getting along in a brand new situation.”

John T. Wong ’06, who is studying in Cambridge this year, said that “there is more free time at Cambridge. There is not less to do, but a lot of academic things are self-structured.”

Moir K. Kessler ’06 said that the transition was hard, because there is more independence in academics and students do not work together as much.

Enders said that undergraduate research opportunities, which MIT students have missed at Cambridge in past years, were available last year at Cambridge during the summer. She said Cambridge is becoming more and more interested in providing undergraduates with research opportunities.

Both Wong and Kessler have had opportunities to travel. Kessler said that the two five-week breaks

in Cambridge’s academic year allowed her to travel to Paris and Italy, as well as Dublin on a long weekend. Wong traveled to Paris and Egypt.

Wong said he strongly recommends the Cambridge-MIT Exchange to other students. Kessler said she recommended the program, but also said, “make sure

you are going to concentrate on your major.”

Wong and Kessler both said they feel more cultured. “You experience the culture of the rest of the world after you leave the U.S., see what others think of America,” Wong said. Kessler said that she has become “surrounded by the British culture.”

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2005 Student Art Awards

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The Laya and Jerome B. Wiesner Student Art Awards are presented annually to up to three students (undergraduate or graduate), living groups, organizations or activities for outstanding achievement in and contributions to the arts at MIT. Established in 1979, these awards honor President Emeritus Wiesner and Mrs. Wiesner for their commitment to the arts at MIT. An endowment fund provides a \$1,250 honorarium to each recipient.

<http://web.mit.edu/arts/about/awards/wiesner.html>

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The Louis Sudler Prize in the Arts is presented annually to a graduating senior who has demonstrated excellence or the highest standards of proficiency in music, theater, painting, sculpture, design, architecture or film. The Prize was established in 1982 by Mr. Sudler, a performer in the arts and an arts patron from Chicago. An endowment fund provides a \$1,250 award to the honoree.

<http://web.mit.edu/arts/about/awards/sudler.html>

Please send nominating letters by Friday March 18, 2005 to:
Susan Cohen, Director, Council for the Arts at MIT- E15-205
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The Wang Theater
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MacVicar Professors Build New Curricula

MacVicar, from Page 1

Mathematicians spend most of their time being confused and trying to see the light. That image isn't conveyed very well in most of their other math classes," he said.

Miller hopes the class will soon be approved as an Institute Laboratory in Course XVIII, in which there are currently none.

Miller has also been a major contributor to the development of computer tools for classes such as 18.03 (Differential Equations), which he teaches about once every other year. He hopes that these tools will help students integrate subject material across different course.

"I have the dream that they'll become commonly used in beginning engineering classes as well, and that's starting to happen," he said.

Miller is also the director of education in the math department and the departmental liaison for the Cambridge-MIT Exchange program.

Perry, who has been at MIT since 1972, founded the Program in Women's Studies in 1984. She has also been deeply involved in curriculum development for numerous literature and women's studies classes.

Perry's dedication to her students has gone beyond the classroom. She often takes her students to museums and lectures at other universities, she said, including one semester when she covered transportation costs so that her students could attend a series of lectures at Harvard given by Toni Morrison.

Perry also recalls teaching a class on the Western tradition, in which she asked students to make a board game out of one book of Dante's *Divine Comedy*. "I still have a dart board" from one such project, she said.

Pesetsky, who been on the MIT faculty since 1988, has helped vastly expand the linguistics program at MIT.

"When I arrived at MIT, there was very little in the way of linguistics offerings for undergraduates," he said. In his years as a member of the department, he has developed numerous classes, including a field methods class he taught last semester in which students had the chance to interact with a speaker of Tagalog, which he called "an incredible hit."

Pesetsky also looks forward to the development of a second semester undergraduate class in syntax.

Teaching rewarding for Fellows

The three new Fellows spoke to the rewards of working with MIT undergraduate students.

Pesetsky said linguistics is unique at MIT in that most undergraduate students have no background or intent to study the subject before they arrive on campus. Linguistics is a "topic lots of students kind of stumble into" at MIT, he said.

Several times, he said, he has seen a student who took a first linguistics class with him go on to become a professor of linguistics, and "that's a pleasure," he said.

Perry said that teaching in the humanities at MIT means that students who take her classes are "self selected," since MIT has no literature requirement.

"MIT kids are really intellectually curious. One of the things you can do is to bring to them some of your own intellectual dilemmas, issues about reading or meaning that are true quandaries for you. MIT students respond really well to genuine intellectual issues," she said.

Miller said he finds much of his reward in developing a meaningful

curriculum. He strives toward "finding and conveying the mathematical content of pieces of mathematics that are very applied" so that mathematics "doesn't seem artificial."

Miller said one of his most rewarding experiences as a teacher has come while lecturing 18.03. In the class, he said, flash cards are distributed to students, and he periodically asks questions during class to which students are asked to show their answers. Should there be disagreement, he asks students to discuss amongst themselves. It is this moment that is gratifying, he said, "because you know that learning is happening," and there is "discussion about mathematics going on."

Fellows discuss challenges ahead

Miller stressed uniting and the "building of bridges" between academic disciplines as a current challenge in education.

"The challenge is reaching things that really matter to the students in their education," he said. "Links between different classes is a challenge."

Moreover, he said, programs such as the iCampus and d'Arbeloff grants, of which the 18.03 computational tools are a result, have engendered new innovations and improvements in education, and the "challenge is to integrate what we've learned and continue that excitement about teaching that the grants produced."

Some of the greatest challenges in teaching, however, can come simply from the subject matter itself, said Perry.

"I'm teaching about problems that have no solutions," she said. "The human issues, metaphysical problems that great writers write about are problems that are insoluble." Although MIT students, as engineers and scientists in training, may find this situation at first unfamiliar, "once you can convince them that this is a different kind of thought, and that these are insoluble problems, then everyone's fine with that." Thinking about literature is "a different kind of thought, but a very important one," she said.

Teachers today must also respond to changing technologies and a changing student body.

The fellows embraced the notions of traditional education and classrooms, even while recognizing the benefits of new educational technologies such as OpenCourseWare.

"Part of who we are is we're social creatures," said Pesetsky. "I suspect that if we know what we're doing, then there will always be classrooms."

Miller said the same, particularly about the future of a class the size of 18.03.

"A large lecture can be very powerful, and we haven't seen the end of the large lecture at MIT," he said. The traditional lecture format of teaching highlights the "strength of communal experience" and individual teaching, he said.

Programs honors MacVicar

The first MacVicar Faculty Fellowships were awarded in 1992, following the 1991 death of the late Professor Margaret MacVicar '65 at age 47. MacVicar was the first dean for undergraduate education and founder of the Undergraduate Research Opportunities Program.

MacVicar Faculty Fellows receive financial support over the ten years of their awards and participate in six luncheons a year to discuss ways to facilitate and improve undergraduate education and educational policies.

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Tai A. DaCosta '08 holds a board for Joey Y. Zhou '07 to break at the Consumption Function (C-function) at Walker Memorial on Thursday, Mar. 3. DaCosta and Zhou were displaying Tae Kwon Do techniques with the MIT Tae Kwon Do Club at the C-function, which was sponsored by the MIT Sloan Korean Society.

CHRISTINA KANG—THE TECH



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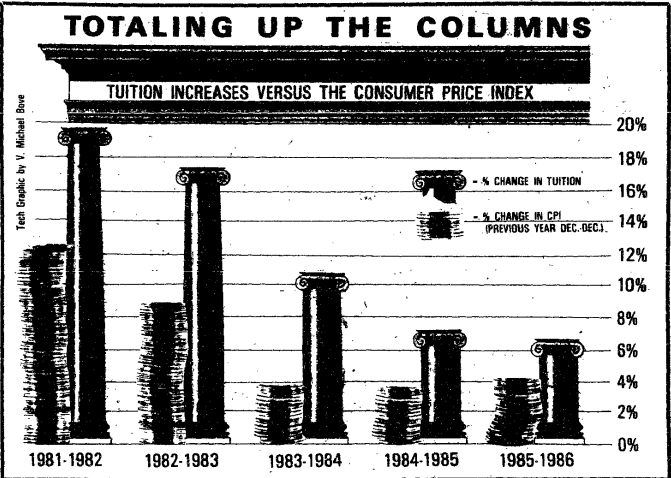
Tuesday, March 5, 1985

Tuition increase announced

By Ben Stanger
President Paul E. Gray '54 announced Friday that the total cost of tuition, room and board at MIT will rise to \$15,230 next year. That is an \$830, or 5.8 percent, increase over last year's fees. The figures, however, do not include the cost of books, travel and miscellaneous items. Tuition will increase to \$11,000 — a \$700, or 6.8 percent, jump. Room and board will increase by an average of \$130 to \$4230, a 3.2 percent increase over last year's average cost of \$4100. The self-help level will rise 6.5 percent to \$4900. Gray announced the increases Feb. 28 after approval by the MIT Corporation Executive Committee. The MIT Academic Council recommended the increases. The Academic Council met Feb. 19 to discuss tuition and self-help levels for 1985-86. Undergraduate Association President David M. Libby '85 attended the meeting. "The Academic

Council is basically an advisory council to Gray . . .," Libby said, " . . . but that's where the decisions are made." Libby said the committee members discussed several alternatives. They considered the Institute's "financial picture." They looked at how a variety of combinations of tuition and self-help would affect the Institute's budget and student welfare, he said. Gray said there were several factors involved in the final decision: the effects of increased costs on students' enrollment at MIT; the tuition at other selective universities; and the anticipated operating costs of the Institute. "You have to make some judgements about what the economic circumstances will be like," he said. Gray said 12 percent of tuition revenues are given as scholarships annually. MIT Vice President Constantine B. Simonides said \$90 million of MIT's \$600 million operating budget came from tuition. Other funds used toward education came from interest returns on the endowment — about \$37 million — and gifts — about \$22 million.

About one-third of the operating budget is used for educational purposes. The remainder is used for research on campus and at the Lincoln Laboratory. Simonides said the rise in tuition results from salary increases, new programs and compensation for poor returns on the endowment and gifts. Gifts do not increase significantly even in a strong year, he said. But salaries, utility costs and new pro-



Students protest movie

By Harold A. Stern
Over 25 people protested pornography at MIT Saturday afternoon. Pro-femina, a women's group on campus, sponsored the demonstration. The protest coincided with the Lecture Series Committee's (LSC) showing of *The Opening of Misty Beethoven*, a sexually explicit film. Members of several MIT and non-MIT groups gathered in front of the Julius A. Stratton '23 Student Center and walked to

26-100, the site of the screening. The protesters entered the lobby of Building 16, where tickets for the movie were being sold. Approximately 20 of the demonstrators bought tickets for the first showing, according to Gordon E. Strong '85, an LSC representative. The protesters walked around the room before the showing began. "When the movie started, a few of them jumped up onto the table on the stage," Strong said. "When they would not take their seats, we turned on the lights and had the Campus Police escort them out." LSC refunded the protestors' money, he added. The protestors proceeded to the house of President Paul E. Gray '54, where they remained until the next showing. There were no further incidents at any of the later screenings.

A statement prepared by Pro-femina said: "Pornography is a direct cause of violence against women . . . at MIT, many women have been both verbally and physically harassed before and after the showing of pornographic films." The statement cited the "misrepresentation [of women which] changes the way men think about women and the way women think about themselves" as a cause of harassment. Laura Hastings G and Gretchen Ritter G, two participants in the demonstration, said the lack

of awareness on the MIT campus of the extent of sexual harassment is a problem. "There is a lot of subtlety to harassment . . . A lot of things are not open or recognized by men, or by women, as harassment," Hastings explained. Hastings and Ritter hoped the protest would "help people to come together and realize what it means to feel degraded," Hastings added. The effort "will not stop after the movie," Ritter said, predicting "the fight is going to go on for a long time." The major problem, Hastings said, is the attitude of students. The women on campus "want to become one of the boys," and do not want to do anything that will "get them noticed," as far as speaking out about harassment. Ritter also said that men's attitudes toward women here are "horrendous." Pornography is "symptomatic of the larger disease of male attitudes towards women at MIT," Ritter said. The two, who were undergraduates at Harvard University and Cornell University, respectively, believed that the situation is much better elsewhere. Emily Frier of the Wellesley Women's Alliance agreed. She said "intercollegiate attitudes at MIT are weird as all hell." She believed men's opinions of women are "based on fantasy," and that men at MIT are unable to

Income Under \$45K Means Yale Costs \$0

By Greg Winter
THE NEW YORK TIMES

In an effort to outdo its rivals, Yale University said Thursday that it would no longer require parents earning less than \$45,000 a year to pay anything toward their children's educations.

Harvard announced a similar program last year, freeing parents who earn \$40,000 or less from paying anything, and the change helped raise its applications to record levels. Several of Yale's other competitors, including Princeton, have taken a slightly different approach by no longer requiring loans for low-income students, and they also believe the move helped increase applications.

Yale's change comes after its students demanded financial relief and is arguably more generous than many of the financial aid overhauls at other schools, public and private universities alike. The University of North Carolina, for instance, no longer requires students from families of four earning about \$37,000 or less to take out any loans to cover school expenses. Rice did the same but set the

income bar at \$30,000.

"We wanted to signal that we're serious about access," said Richard C. Levin, Yale's president. He also said Yale would reduce what it expects parents earning between \$45,000 and \$60,000 to pay.

Only about 15 percent of Yale students' families earn little enough to benefit from the changes, but that is precisely the point, Levin said. The hope is that once low-income students know that going to Yale will not financially burden their families, more will apply. Longer-range hopes are for a more diverse Ivy League and a more equitable society.

"Harvard got great value from what they did," Levin said of Harvard's gain in applications from low-income students. "We said at the time that we were going to watch and see what happens. Well, we're convinced."

Levin also said Thursday that Yale would greatly expand its overseas programs to encourage all undergraduates to study or work abroad, regardless of their ability to pay.

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Immunization notice

The MIT Medical Department announced today that two community members have contracted the measles. Dr. Mark A. Goldstein urges students needing immunization shots to get them as soon as possible. Students should either call x3-4481 or walk in between 8:30 am-5 pm Monday through Friday this week.



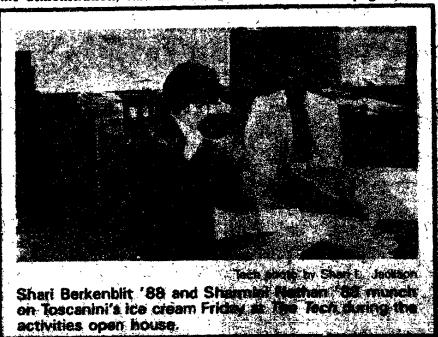
Students protest on the Student Center steps Saturday the showing of *The Opening of Misty Beethoven*.

Visual Arts Center unveiled

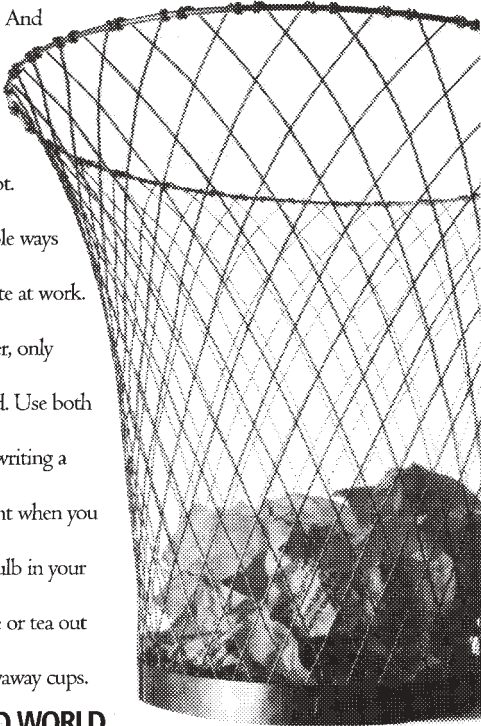
By Donald Yee
Members of the MIT community dedicated the Albert and Vera List Visual Arts Center last Friday afternoon. The center is located on the lower two floors of the unfinished Arts and Media Technology Building. Workers will complete construction on the rest of the building in October of 1985. President Emeritus Jerome B. Wiesner, chairman of the MIT Council for the Arts, sparked the dedication ceremony with an introductory address. He emphasized the importance of the arts at MIT. "It's hard not to get caught up in the arts at MIT," he declared. "I once asked a freshman who was interested in music and music why he chose MIT instead of Yale, and he replied, 'Because the music's better.'"

President Paul E. Gray '54 said the center "should not serve as a warehouse for visual arts at MIT, but as a showcase and magnet." The ground floor of the center contains three galleries: the new Hayden Gallery, which has nearly twice the floor space of the old gallery in Building 14; and the Sculpture Archives and the Reference Galleries, two new additions to exhibition space at MIT. The offices and archives of the Committee for the Visual Arts are also located on this level. A sculpture garden lies to the east of the building. The garden currently contains no works. The lower level houses a sloped, 196 seat film/video theater. "This facility is carefully treated acoustically with the potential for abundant media projection," the dedication program stated. Two dedication's principal speakers were Marcia Tucker, director and founder of The New Museum of New York City. She

discussed the nature of contemporary art. She said, "Art and beauty are no longer synonymous . . . there is little visibility and glamour. For art to succeed, its creator must fail. It moves us to think. To think is to learn, and to learn is to grow." Following Tucker's speech, Gray and MIT Corporation President David S. Saxon '41 presented the Lists with a Reverie bowl, and two identical portraits of the Lists standing before a painting from their collection. The ceremonies then moved into the atrium of the new center, with the unveiling of two donor plaques, honoring the Lists' large contributions in support of the center. The center's exhibitions were opened to the public at 5:30 pm. Currently showing at the new Hayden Gallery is "Giacometti to



Shari Berkenblit '88 and Sharmay Nathan '88 munch on Toscanini's ice cream Friday at The Tech during the activities open house.



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Kinaesthetics Follow “Laws of Motion”



The final performance of the MIT Kinaesthetics Lab’s “Laws of Motion” dance concert will be held this evening at 8 p.m. in Kresge Little Theater.

(left) Kojo Dufu G (left) and Anna D. Bergren ’05 perform in “Blue.”

(below) Lisa Morse adjusts one of several “mannequins” during “Window Dressing.”

Photography by Omari Stephens



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SPORTS

Tae Kwon Do Does Well Despite Injuries

By Sandra M. Yu
TEAM MEMBER

Despite losing key players, including Taras Z. Gorishnyy G and co-captain Richard Sinn '06, due to injury, the MIT Sport Tae Kwon Do Club placed eleven competitors in forms and six teams in sparring to take a close second at the fourth tournament of the year, held at Princeton University last Saturday.

The team gave its usual strong showing in forms, placing at least one competitor in seven out of ten divisions. Johanna N. Przybylowski '05 took second in women's yellow belt forms. Jessica G. Chinsomboon '07 and Ziyang Chu '07 took second and third in women's green belt forms.

Rene R. Chen '07 and Jerry W. Chao '05 each placed second in blue belt forms. Stephanie Lee '06 and Radhika Jagannathan '05 placed second and third in women's red belt forms. Ryan B. Huang '06 placed third in men's red belt forms. Erica Y. Chan '07 and Wendy M.G. Pierce '05 took second and third in women's black belt forms. Chen and Chan have placed in forms at every tournament this year.

Rookies Chu and Forrest W. Liao '05 gave standout performances, using sophisticated strategies to control their opponents in the beginners' sparring division. Chu, with teammates Chinsomboon and Przybylowski, barreled through the women's C Team division to take first place.

Although his team did not place, Vladimir V. Barzov '06 stunned the club by pounding his opponent 25-4 in his debut sparring match.

"All our hard training paid off," Bobby B. Ren '05 said. "Our beginner teams showed their dominance by working the other schools."

In B Team sparring, Huang, John C. Ho G, Liao and Tri M. Ngo '06 fought their way to a third place finish. In the women's division, Jagannathan, Sharon A.



STEPHANIE LEE—THE TECH

Jessica C. Boon '08 of the MIT Sport Tae Kwon Do Team delivers a kick to a Brown University team member at a tournament held at Princeton University.

Lawrence '07 and Sandra M. Yu '06 lost closely to Cornell in the finals to place second.

MIT placed two women's teams in the A Team division. Jagannathan, Lawrence, and Rosemary E. Pike '07 took fourth, and Chan, Yu, and Pierce lost to Cornell in the finals to finish second.

Ren, who got his black belt last December after starting with the club three years ago, anchored his team — Conor Madigan G and Nathan Hanagami G — to the A Team finals, including a hair-raising victory against Cornell's lightweight. They finished second.

The team realizes that their strength in the league isn't just due to the talents of the individual members and instructors. What really pushes them forward is the strength of team unity. At every tournament, MIT is the loudest and rowdiest team.

"No one should be sitting on the bleachers," said Sabumnim

Dan Chuang. "Everyone should be up supporting their teammates, from C4 to A1."

"The team experience is amazing," Ren said. "Beginners who had just joined the club out of the PE class immediately bonded with the rest of the team, and by the end of the tournament were cheering just as loud and talking as much shit as the rest of the MIT competitors."

MIT is 226 points behind Cornell University in the league standings, for a total of 1579. New York University is third with 457 points.

"This tournament was a wakeup call," said Ren, who keeps the League Cup in his room. "You can bet that we are training harder than ever, so that we can have a sweeping comeback victory and keep the Cup at MIT, where it belongs."

If the club can pull it together to win the last two tournaments, the Cup will stay at MIT for the third consecutive year.

Red Sox Lineup Is Looking Good

By Chris Bettinger

"Jesus, a Dominican, and a Country Boy are playing some baseball." No, it's not the first line of some off-color joke; it's the projected starting outfield for the Red Sox in 2005.

Johnny Damon, Manny Ramirez, and Trot Nixon have been familiar faces on the Red Sox in recent years. Each of them brings a unique personality, and they can also bust out the big sticks when healthy. Their contributions on and off the field have led to a championship and made them fan favorites in Red Sox Nation.

Manny Ramirez has perfected the "Manny is just being Manny" personality. His constant defensive lapses and inexplicable actions often leave us scratching our heads (carrying a water bottle out with him to left field) or pulling our hair (dropping routine fly balls in the World Series). But this lackadaisical personality has its perks. Who else could put up ridiculous numbers in a season after he was put on waivers? We can pretty much pencil in his minimal offensive production for 2005 without any hesitation: .300 batting average, .400 on-base percentage, and .600000000 slugging percentage.

However, one interesting statistic worth tracking for 2005 is Ramirez's strikeout total. His strikeouts from 2001-2004 (147, 85, 94, 124) correlated with his home run totals over the same time period (41, 33, 37, 43). But swinging for the fences affected his OBP last year, as it was off by 60 points from his career-high set in 2000

with the Cleveland Indians. Since established baseball minds (Billy Beane, Paul DePodesta, et al.) suggest that each on-base percentage point is worth three times that of each slugging percentage point, it would behoove Manny to exercise a little patience at the plate this year.

Manny's defense isn't really worth even talking about with the exception of how he effectively plays balls off the Green Monster. Manny already secured a couple of plays for his defensive highlight reel, the most memorable of which was when he robbed Miguel Cairo of a home run in a regular season game at Yankees Stadium last year.

Johnny Damon spent time growing his hair and his gut before last season. The result: a slower, chunkier, Johnny Damon who looked more like the missing link between primates and humans than a baseball star. Reports indicate that he took it easy in the 2003-2004 off-season after that nasty collision in the 2003 ALDS. His offensive performance last year resembled that of a middle of the lineup slugger rather than a lead-off hitter. He nearly doubled his home run total and increased both his SLG and OBP, achieving an .857 on-base plus slugging (OPS), which is pretty ridiculous for a lead-off hitter.

But, in the infinitely wise words of the rock band Poison, "Every rose has its thorn." Damon's defense and base-running suffered as a result of his bulkier physique. His zone rating (the percentage of balls fielded by a player in his typical defensive "zone," as measured by STATS, Inc.) dropped significantly, and his stolen success rate

dropped from 83 percent in 2003 to 70 percent in 2004. Does this really matter that much? Well, baseball statisticians argue that the benefit from attempted stolen bases is lost if the success rate drops below approximately 80 percent. Therefore, Damon's transformation into a power hitter significantly reduced his base stealing ability.

Given the top-to-bottom potency of the Red Sox lineup for 2005, this may not be such a bad transition to make. With every starting position player having produced an OBP of .370 or greater in one or both of the last two years, Damon could provide a critical link in the offense between the bottom of the order and the Manny-Ortiz combo.

Trot Nixon is looking to make a rebound from a back injury he suffered last year and return to his efficient offensive performance of 2003, when he posted a career-high OPS of .974. It will be interesting to see how he responds this year, as his 2005 season could very well dictate the rest of his career in the MLB.

The most attractive aspect of having Nixon playing right field for the Red Sox is his affordability. If Nixon returns to his old form in 2005, he will post similar numbers to Gary Sheffield for less than half the price. And, unlike Sheffield, Nixon will be able to actually raise his right arm above his head to do things such as catch fly balls, scratch his head, or show off his World Series ring.

Even if the power numbers for the outfielders slide this year, maintaining a high OBP should bolster what might possibly be the American League's most potent offense in 2005.

Vball Back on Track After Losing A Game

By Paul Dill
TEAM COACH

After dropping their first match of the season last week against nationally 11th-ranked Endicott

College, the MIT Men's Volleyball team looked to get back to their winning form against conference rival Wentworth Institute of Technology.

The Engineers wasted little time in showing their intent as they took control of the first game, winning 30-16. The second game was a much closer affair, as Wentworth became very scrappy defensively in an effort to even the match. They were denied, however, as MIT took advantage of some sloppy play which resulted in the Engineers hammering several mis-hits straight down on the Wentworth side.

After holding off the opposition

to win the second game 30-28, MIT controlled the third until it held a lead of 29-24. At this point, thinking the match was won, the Engineers failed to close the door on Wentworth and instead allowed a comeback that led to a 29-29 tie. MIT kept its composure and finally closed out the game, winning 31-29.

With the win, the nationally #10-ranked Engineers improved to 17-1 overall and 11-1 in conference competition.

Robert M. McAndrew '05 tallied 20 kills, his highest total in three meetings with the Leopards this season. He also contributed one solo and two assisted blocks. Praveen Pamidimukkala '08 registered 13 kills and both of MIT's aces. Ryan G. Dean '08 and Jordan X. Wan '06 each recorded seven digs. Dean added seven kills, while Wan dished out 36 assists.

Spurs, Heat Anticipated Top Dogs in Conferences

By Yong-Yi Zhu
COLUMNIST

With March already upon us, we are nearing the fourth quarter of the NBA season. And with the trade

deadline passed, we now have a good sense of what each team has to work with down the stretch.

The first thing to notice is that the Spurs are still the team to beat in the NBA. They have been a favorite in every game they've played this year, and they've beaten teams by an average of 10.5 points per game.

However, there is more than meets the eye when it comes to this team. Some nights, they will just miss everything. Look at their last three losses; they put up shooting percentages of 38, 39, and 41, compared to their average shooting percentage of 46.

They also have meltdowns by quarters. Because they have often blown teams out, sometimes the players lose motivation or concentration and allow the opposing team to get back into the game.

Still, I like their trade for Nazr Mohammed. While did they get rid of the sentimental favorite Malik Rose, and when have sentiments ever won an NBA championship? This trade allows them to throw more size at opponents and eventually, have a better time dealing with Shaquille O'Neal in the NBA finals.

But wait a minute: don't the Spurs have to go through the Suns, Mavs, Kings, Rockets and Sonics? Let's see.

The Spurs have beaten the Suns in every meeting so far. They have beaten the Mavs by an average of more than 10 points per game. They beat the Kings twice in one week by a total of 40 points. They blew both the Rockets and the Sonics away in their last meetings.

In the playoffs, the Suns will get too tired too quickly, the Mavs will miss Steve Nash dearly, and the Rockets' inconsistency will be exposed. The Kings might have been the Spurs' biggest challenge, because of their size inside, but that's been negated by the Chris

Webber trade. The Sonics will be the biggest obstacle for the Spurs in the West. They can drain lots of threes, and any Sonic can make more free throws than Tim Duncan, Bruce Bowen, and Rasho Nesterovic combined.

On the other side of the country, I don't think it's a surprise to say that the Heat will be the Eastern Conference champs. In the span of two years, they will go from a team off everyone's radar to one playing in the NBA finals, and they have no one but Kobe Bryant to thank for that. Now that Alonzo Mourning has joined them, they are even more of a force.

But there are several teams who may give the Heat a tough time in the playoffs. The Cavaliers have significantly improved this season. Behind their statistical leader LeBron James and their big center Zydrunas Ilgauskas, the Cavs have the solid base for a good playoff team. Add Drew Gooden and Jeff McInnis, and you have a very solid starting lineup. However, the Cavs don't have the experience that Shaq and Zo' can help impart on their teammates.

You also cannot discount the Detroit Pistons. With Wallaces Ben and Rasheed, they have the necessary size. Also, with their experience, the Pistons have pulled it together in the last two months, losing only six games during that stretch. They are just getting into playoff shape, and if they recover last year's form, teams had better watch out.

The 76ers might also look like legitimate contenders, but they have a problem with depth. Even with the Chris Webber trade, there are no consistently reliable guys on the team besides Webber and Allen Iverson. Lack of depth is something the Heat might be able to get away with, but the Sixers will not.

So there you have it: the Spurs and the Heat are the top dogs in their respective conferences. And barring major injuries, I think this may be one of my predictions that will actually pan out. We'll just have to wait and see.

UPCOMING HOME EVENTS

Saturday, March 5

Varsity Women's Gymnastics vs. West Chester, Brockport, and Ithaca
duPont Gymnasium, 2 p.m.