The Weather

Today: Warm, rainy, 69°F (21°C) Tonight: Rain ending late, 50°F (10°C) Tomorrow: Clear, breezy, 60°F (16°C) Details, Page 2

Volume 122, Number 17

Cambridge, Massachusetts 02139

Tuesday, April 9, 2002

Mattapan Man Shot, Killed Near Campus

Nineteen-year-old Mattapan resident Iran Gray was fatally shot outside the Rhythm and Spice bar and nightclub on Massachusetts Avenue in Cambridge at approximately 1:45 a.m. Friday morning.

The case is still being investigated by Cambridge Police and State Police from Middlesex county, said the Middlesex District Attorney's office.

The cause of the shooting remains unclear. Robert D. Jones '86, president of Rhythm and Spice, interviewed staff members on duty that night. Jones said "based on what we know, the event had nothing to do with any activities in Rhythm and Spice." Jones said that 15 minutes prior to the shooting, there was a minor altercation inside the club, allegedly over a woman. "Employees determined who started the fight and ejected one of the two quarreling parties," he said. In a press release issued later, Jones said that Gray was never in Rhythm and Spice that night.

However, witnesses who were also interviewed by Cambridge Police placed Gray in the party ejected from the bar. "I heard shouts and saw a large group that had just left Rhythm and Spice," said a local employee. Officer Frank Pasquarello, public information officer for Cam-

MIT Tops

U.S. News

Rankings

For all the time, energy, and money MIT spends trying to change

the Institute - especially housing, dining, and construction - some things are better off being the same

year after year. MIT topped U.S.

News & World Report's annual rank-

ing of graduate engineering programs

for the 14th consecutive year, ranking

first in nearly every engineering spe-

University and the University of Cali-

fornia, Berkeley, to take the top spot,

with an overall score of 100 to the

the magazine's methodology. Among the 10 engineering specialties in

which MIT placed in the rankings,

aeronautical/astronautical engineer-

ing, chemical engineering, computer

engineering, electrical engineering,

materials engineering, mechanical engineering, and nuclear engineering.

they reflect the perception of the

"I think for what they're worth

ranked

MIT bested rival schools Stanford

By Kevin R. Lang

EDITOR IN CHIEF

cialty

bridge Police, said that the matter was still under investigation.

The employee said that the argument continued, and one man pulled a gun. He then apparently approached Gray, who sat in the driver's side backseat of a car, and shot him in the throat. Witnesses say they heard around five or six gunshots. "There were first two shots, a pause, and then more came very quickly," said the local employee. One stray bullet hit a window. The assailant apparently fired the gun so close to Gray that he did not shoot out any car windows.

Students hear shots, see suspect

Random Hall resident Jenna N. Matheny '05, who awoke to the sounds outside Rhythm and Spice, saw the suspect run down Front Street between the MIT Museum and Cambridge Bicycle. "I initially thought they couldn't be gunshots," she said, "but then I saw a large group in front of Rhythm and Spice and the car."

The Cambridge Police arrived first on the scene, with State Police soon to follow, between 30 seconds and two minutes after the shots, witnesses said. As the police arrived, one witness said Gray stumbled out of the car and laid down in the street. Soon after the police arrived, two patrol

Shooting, Page 17



Cambridge Police, with the help of MIT Campus Police, secured the scene of a shooting near Random Hall early Friday morning. Iran Gray, 19, of Mattapan was killed in the shooting.

Hack Attempt Thwarted By Theft Of Paw From MIT Beaver Costume

By Dan Cho

MIT's mascot Tim the Beaver lost a foot on Saint Patrick's Day during a hack attempt gone awry. Class of 2004 Ring Committee member Amal Dorai '04 and several other MIT students brought the Institute's beaver mascot costume to Harvard Square, where the paw was stolen by an unknown male.

The incident took place after the 2004 Ring Premier, when Dorai was left with the care of the beaver costume which had been rented from the Campus Activities Complex. "I decided to have a little fun

with the costume before returning it," Dorai said in an e-mail addressed to a number of living group mailing lists.

Dorai, dressed in the beaver suit, traveled with a group of friends to Harvard Square, planning to take photographs with the statue of John Harvard.

Once the MIT students arrived at

Harvard Square, said hack participant Erin Rhody '05, Dorai removed the hands and feet of the beaver costume in order to climb the John Harvard statue. He then commenced a simulated sex act with Harvard's seated likeness while the other students either supported Dorai under the statue, took photos or sang the Engineer's Drinking Song in front of a crowd of about 15 onlookers, Rhody said.

Harvard student turns tables

While the students were engaged in these activities, an unidentified male grabbed one of the foot pieces of the costume, which sat unguarded

Beaver, Page 16

KAT Takes Sidney-Pacific, AEPhi Declines Dorm Offer

By Jennifer DeBoer

STAFF REPORTER

Members of the Kappa Alpha Theta sorority will move into the new graduate student dormitory at Sidney and Pacific Streets next fall.

In addition, Chancellor Phillip L. Clay PhD '75 announced that applications are now being taken for juniors currently on campus to move to graduate nousing next year, in order to help alleviate crowding in undergraduate dormitories.

KAT relocates from Sig Ep annex

Kappa Alpha Theta president Sheila Viswanathan '04 said approximately 25 sisters will be moving to Sidney-Pacific. Those who formerly rented part of the Sigma Phi Epsilon annex will no longer live there.

"There is the down side of being farther from dorm row, but there's also the upside of living with a group of your friends," Viswanathan said.

'It Ithe KAT section of Sidney-Pacific] should be similar to the annex," said Anne M. Latham '02,

AEPhi declines offer in Ashdown

Before spring break, Alpha Epsilon Phi was seriously considering moving some members into Ashdown House. After discussion with Ashdown authorities, AEPhi decided against it, AEPhi President Karen H. Riesenburger '03 said.

"We were really interested in moving, but the offer didn't match our needs," Riesenburger said.

"It would have been great to have a common meeting place," she added. "As it is we are constantly reserving rooms around MIT.

"I think it happened because they had never lived together as a group before and they were happy in their individual dorms," said Ann Orlando,

Crowding, Page 14



WAN YUSOF WAN MORSHIDI-THE TECH

Allin Yang '02 performs jazz and ballet during Dance Troupe's Pulse for Campus Preview Weekend in Little Kresge last Thursday. More Dance Troupe photos, page 11.

Rankings, Page 14

first



Institute Professor Phillip A. Sharp discusses the new McGovern Institute.



Comics

Page 6

OPINION Akshay Patil discusses the white board on his dorm room door.

Page 5

World & Nation2
Opinion 4
Events Calendar 8
Arts
Sports

WORLD & NATION

Palestinian Dies in Gun Battle At Church of the Nativity

BETHLEHEM, WEST BANK

The blood and fire of the Israeli-Palestinian conflict invaded hallowed ground Monday.

Six days after the standoff at the Church of the Nativity began, predawn gunplay at the besieged church left a Palestinian policeman dead and two Israeli soldiers wounded. A fire caused by the skirmish damaged a Catholic parish building in the religious compound, which is believed to mark the birthplace of Jesus.

And the psychological and public relations war here escalated, making the outlook increasingly ominous for almost 80 priests, monks and nuns inside who are either unwilling hostages, benevolent hosts or some uncomfortable combination of the two.

About the only thing Israelis and Palestinians agreed on Monday was that the violence resulted in the standoff's first death within the compound itself

But the Israeli military said Palestinian snipers shot two Israeli border policemen deployed on a rooftop outside the compound, provoking an exchange of gunshots and grenades that caused the fire. In contrast, Palestinian leaders and some priests inside said Israelis attempted a sneak attack over a rooftop, set off the blaze and left bullet holes inside the fourth-century Church of the Nativity.

Traficant Case Goes to Jurors

In the final minutes of his closing argument Monday, Rep. James A. Traficant Jr., D-Ohio, waved a roll of toilet paper in the air for the jury

"I'll leave this here for you because this is all they have," said Traficant, who despite not having a law degree represented himself in his trial on federal corruption charges. During the proceedings, Traficant had berated U.S. District Judge Lesley Wells for siding with the prosecution and charged that she was making a mockery of the Constitution.

The 10-count indictment of the nine-term congressman includes allegations that he made on-the-clock congressional staffers shovel horse manure on his farm, helped a convicted felon get federal contracts, filed false tax returns and forced one staffer to kick back half of his \$2,500 monthly salary as a condition of employment.

Throughout the 10-week trial and into his final remarks, Traficant, 60, attempted to argue what he called a "vendetta defense," his contention that the government had been out to get him for 20 years. He was warned repeatedly by Wells that he could not introduce his theory in court.

Andersen to Lay Off 7,000

Staggering from the damage done by its role in the collapse of Enron Corp. and a subsequent criminal indictment, accounting firm Andersen announced Monday that it will fire 7,000 workers, or 27 percent of its staff.

Andersen, the nation's fifth-largest accounting firm, said the staff reduction will conserve cash as it struggles to become a smaller, audit-focused firm.

A criminal indictment last month on an obstruction-of-justice charge from the alleged destruction of Enron documents

has crippled Andersen. The firm is fighting the indictment and the case is set for trial May 6.

In the meantime, Andersen has lost more than 140 of the large public company clients that make up the bread and butter of its business.

The accounting firm served as both a consultant and auditor for Enron and has been linked to Enron's strategy of hiding billions of dollars of debt and hundreds of millions of dollars in losses in a series of secretive partnerships.

Sharon Vows West Bank Action To Continue, Ignoring Demands

By Tracy Wilkinson LOS ANGELES TIMES

Israeli Prime Minister Ariel Sharon, in his strongest defiance yet of Washington, D.C., vowed Monday to press ahead with a massive military offensive in the West Bank. As if to underscore the point, Israeli combat helicopters pummeled a refugee camp and infantry took hundreds of Palestinians prisoner.

Sharon ignored demands from President Bush and other world leaders to end Israel's invasion of Palestinian cities, and instead expanded the deployment of tanks throughout the West Bank countryside. In a speech to his Parliament, Sharon suggested that far from withdrawal, Israel's occupation is open-ended.

But as pressure mounted, the Israeli army announced early Tuesday that it would begin pulling out from two small cities, Tulkarm and Kalkilya, which had remained relatively quiet. The White House said

In Nablus, the West Bank's largest city, fighting that had raged for four days began to subside Monday. Scores of men - fighters and civilians - surrendered. Inside the bloodied Casbah, the old labyrinthine center of the city, wounded lay dying at a mosque.

In Jenin, by contrast, Israeli troops, armor and gunships continued to battle stiff resistance from lightly armed Palestinian fighters hiding in a crowded refugee camp. Israeli and Palestinian officials estimated at least 100 Palestinians were killed in the last couple of days in the Jenin camp. On Monday, two Israeli soldiers were killed and four wounded.

Palestinian gunmen "seem to have decided to fight to the last, to make the battle as bloody as possible," Israeli Brig. Gen. Eyal Shline said of the Jenin operation. He said several men feigned surrender, only to blow themselves up in suicide attacks on soldiers.

At the Church of the Nativity in Bethlehem, which tradition holds is the birthplace of Jesus, a huge fire erupted during a gun battled between Palestinians and Israeli soldiers. At the Vatican, Pope John Paul II said violence in the Holy Land had escalated to "unimaginable and intolerable levels."

In Jerusalem, Sharon went before a special session of the Knesset, or Israeli Parliament, to lambaste Palestinian leader Yasser Arafat and announce he was taking his government farther to the right with the inclusion of three new right-wing ministers.

Sharon dedicated most of his hourlong speech, in which he frequently was heckled, to harsh criticism of Arafat. He reiterated that he regards it as impossible to make peace with Arafat, a position that deeply complicates this week's diplomatic mission by U.S. Secretary of State Colin L. Powell.

He said he will not call off the offensive "until the mission has been accomplished, until Arafat's terrorist infrastructures are uprooted" and until fugitives have been

Bomb Kills Several in Apparent Afghan Assassination Attempt

By David Zucchino

and Rone Tempest

LOS ANGELES TIMES

JALALABAD, AFGHANISTAN

In what appeared to be an assasagainst sination attempt Afghanistan's defense minister, a fiery bomb exploded Monday in a lunchtime market packed with flagwaving schoolchildren dispatched to greet the official.

At least five people were killed, including two children and a teenage boy, and 64 people were injured. The bomb missed the heavily armed convoy of Defense Minister Mohammed Qassim Fahim by just 200 yards.

Tensions had been high in this eastern provincial capital because of opposition to a government crackdown on opium poppy cultivation and simmering hostility toward Fahim, an ethnic Tajik deeply resented by Pashtuns who dominate the region. In the last two nights, unsigned posters have appeared,

warning that anyone supporting the government risks death and that 'killing government officials is legitimate.

In an attempt to build crowds for Fahim, teachers emptied class-

The bombing came just days after the interim government round-ed up about 300 members of the Hezb-i-Islami political party, most of them Pashtuns, on charges of plotting to overthrow the government. Hezb-i-Islami officials described the arrests as an anti-Pashtun campaign by ethnic Tajik ministers. About 160 people remain in custody.

The ethnic conflict added a new layer of fear and anxiety to a country on edge because of armed factions jockeying for position ahead of a national assembly scheduled in June.

In an interview Sunday night, Haji Mohammed Zaman, the regional security chief, had dismissed security concerns with a

That evening, Zaman's officers tried and failed to organize soldiers in ill-fitting uniforms into a coherent formation during a dress rehearsal for the defense minister's visit. Their poor training was evident in the moments after the bomb exploded, when attempts to turn around the convoy of dignitaries produced gridlock as victims lay bleeding and

Vehicles bumped back and forth for several minutes before security officials finally drove Fahim to a military base outside Jalalabad. He delivered a scheduled two-hour speech on ethnic unity, then returned to the capital, Kabul, by helicopter a day earlier than planned.

They killed civilians and students who were there in the spirit of happiness, and they made it into a sad occasion," Fahim said. "The attack was meant not only to kill me. They wanted to cause a disruption and send a message."

WEATHER

Springing Forward Into April

By Greg Lawson

Though we have begun to receive some much-needed precipitation of late, Massachusetts officials are still suggesting voluntary water conservation in the event that more severe drought conditions might set in - the winter's weather patterns proved to be anomalous and fickle, and no chances should be taken in regards to this season's patterns. But the outlook is not so bad as Boston has already received over an inch of rain this month (even a little snow), and today and tonight will make further contributions to the effort. A developing low pressure center is to our northwest, leaving us in its warm sector, the area between its cold front and warm front. Things have set up nicely to ensure a nice rest of the week.

Today, the low's healthy southwesterly winds are bringing in warm, moist air spawned over the Gulf of Mexico. Today will feel like a day in mid-May, complete with warm temperatures, warm winds, and light rain. The precipitation will peter-out overnight as the low passes out over the Canadian Maritimes and a high pressure system builds into the region.

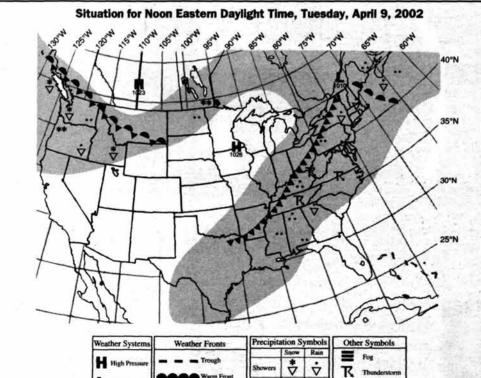
Extended Forecast

Today: Overcast and rainy. Warm and humid. Strong southwesterly breeze. High of 69°F (21°C).

Tonight: Rain ending late. Wind slowing and shifting to northerly. Low of 50°F (10°C). Wednesday: Mostly clear. Light winds. High of 60°F (16°C). Low of

40°F (4°C). Thursday: Partly cloudy. High in the upper 50s F (14° to 16°C). Low in the lower 40s F (5° to 7°C).

Friday and beyond: More of the same until Saturday when the next batch of rain looks like it may arrive.



*

**

OO Haze

Iraq Adds to Mideast Tensions By Halting Crude Oil Exports

By Michael Slackman

CAIRO, EGYPT

Iraq suspended oil exports on Monday to protest Israeli military actions in the West Bank, a strategic decision that caused the world price of crude to jump and increased pressure on Arab regimes to take action against Israel and the United States.

In a speech beamed by satellite to all corners of the Arab world, Saddam Hussein sought to present himself as the only Arab head of state willing to act on behalf of the Palestinians. His go-it-alone embargo is expected to have a far greater impact on the tense political landscape of the Middle East than on world oil supplies.

The price of oil increased by about \$1 to \$26.98 a barrel after the Iraqi announcement, but it closed in New York at \$26.54, a 33-cent increase. Perhaps a more telling barometer of the decision's impact came in a statement issued by the radical Islamic group Hamas. It accuses Arab leaders of treason to "Allah and the nation of Islam," praised the Iraqi gesture and called on other regimes to follow suit.

Throughout the 18-month Palestinian intifada — including Israel's current offensive — Arab regimes

have resisted taking any tough measures such as imposing a coordinated oil embargo or opening their borders to allow volunteers to fight alongside the Palestinians. Those steps have been perceived as against their political, social or economic interests.

But as the Israeli operation continues, that calculation is changing. Egypt and Jordan, the only two states to have signed peace treaties with Israel, are under pressure to expel Israeli diplomats and sever all ties with the Jewish state. Both have indicated that they will have to respond to pressure from the street if Israel does not soon relent.

Pulitzers Dominated by Coverage Of Sept. 11 From New York Times

By Howard Kurtz

THE WASHINGTON POST

The Pulitzer Prizes were dominated Monday by the Sept. 11 attacks, with the New York Times winning seven, including the public service medal for its special "A Nation Challenged" section, and The Washington Post winning two awards, one for national reporting of the war on terrorism.

The Wall Street Journal won the breaking news prize for publishing broad coverage on Sept. 12 of the attacks, after the collapse of the World Trade Center destroyed the newspaper's offices.

The seven prizes won by the Times were an extraordinary haul that shattered the previous record; no newspaper has ever won more than three in a single year. And they underscored the extent to which the attacks on New York and Washington overshadowed most other journalistic work in 2001: Six of the seven were related to terrorism and the war in Afghanistan.

The Washington Post's second Pulitzer, for investigative reporting, went to Sari Horwitz, Scott Higham and Sarah Cohen for exposing the D.C. government's role in the neglect and deaths of 229 children placed in protective care. The Los Angeles Times also won two prizes.

The awards, administered by Columbia University, also included seven arts prizes, including the biography award to David McCullough for his book on John Adams.

It was an unusual year in that

small and regional newspapers, which usually win a couple of awards in an attempt at geographic balance, were shut out. Twelve of the 14 prizes were grabbed by four of the largest and richest papers, all published in New York, Washington and Los Angeles.

At the New York Times, foreign affairs columnist Thomas Friedman won his third Pulitzer for his writing after Sept. 11 about the roots of terrorism. Correspondent Barry Bearak won the international reporting award for his chronicles of life in war-torn Afghanistan, and the Times staff won the explanatory reporting category for work on global terrorism. The newspaper also won both photography awards for work related to Sept. 11.

Detainee Will Not Be Charged

THE WASHINGTON POST

WACHINGTON

Justice Department officials have decided not to charge the American-born prisoner who was transferred from a U.S. military prison in Cuba to a Navy brig in Norfolk last week, concluding that the U.S. government lacks enough incriminating information about him to support a criminal prosecution, officials said.

That leaves the detainee, Yaser Esam Hamdi, 22, in legal limbo as government lawyers try to determine whether there is a way to charge him under U.S. military law. Another option is to turn him over to authorities in Saudi Arabia, where he has lived most of his life, government officials said.

Hamdi was captured by U.S. forces in Afghanistan five months ago while fighting for either al-Qaida or the Taliban, and since then he has told interrogators he was born in Louisiana. Federal agents recently located his birth certificate in Baton Rouge, and last week authorities flew him on a heavily guarded military transport to the Norfolk Naval Base.

International lawyers said the fact that Hamdi is a U.S. citizen grants him a number of rights not available to the 299 detainees still held at the Guantanamo Bay Naval Base — and also limits the U.S. government's ability to hold him. Government officials did not describe the legal basis they would cite for detaining a U.S. citizen who has not been charged.

House Expected to OK Easing Donation-Reporting Rules

LOS ANGELES TIMES

VASHINGTON

The House is poised this week to approve legislation that would ease donation-reporting rules for a broad class of political groups, opening a new front in the campaign finance debate.

Critics say the measure, coming just weeks after the enactment of a landmark law to limit donations to national political parties, could encourage certain groups to receive huge contributions from wealthy donors while escaping effective scrutiny.

The groups in question are tax-exempt political organizations that claim not to be involved with federal campaigns. While many focus on purely local matters, some of the groups do align themselves with parties or advocate positions on important social issues, such as abortion rights or gun control.

Some campaign reform advocates fear these groups will soon become new magnets for the unlimited political donations known as soft money. Under the new law, federal candidates and national parties will no longer be able to raise soft money after this fall's elections.

But this latest twist in the campaign finance debate has more to do with disclosure rules than with donation limits.

Nearly two years ago, Congress passed a law requiring these political groups — known as "527 committees" for the section of the tax code that governs their activities — to report their sources of financial support and their expenditures to the Internal Revenue Service.

Introducing . . .

Talk²us

It's a new, better
way to make
an appointment in
Mental Health

When you need someone to listen...

today

just call us, weekdays 9-5.

One of our professionals will call you back that day, listen to your concerns, and make an appointment with the right therapist for you within a week—or sooner.

Prompt appointments including evenings.

24 Hour urgent care including
weekday 2-4 pm walk-in hours.

Mental Health Talk²us 617.253.2916

It's smart to reach out.



OPINION



Chairman Jordan Rubin '02

Editor in Chief Kevin R. Lang '02

Business Manager Rachel Johnson '02

Managing Editor Joel C. Corbo '04

NEWS/FEATURES STAFF

News Editors: Jennifer Krishnan '04, Eun J. Lee '04, Brian Loux '04; Associate Editor: Christine R. Fry '05; Staff: Harold Fox G. Vijav Shilpiekandula G, Naveen Sunkavally G, Dan Cho '02, Dana Levine '02, Helana Kadyszewski '03, Keith J. Winstein '03, Jeffrey Greenbaum '04, Vicky Hsu '04, Richa Maheshwari '04, Flora Amwayi '05, Vincent Chen '05, Jennifer DeBoer '05, Aaron Du '05, Tom Kilpatrick '05, Amerson Lin '05, Jing-Helen Tang '05, Qian Wang '05; Meteorologists: Robert Korty G, Greg Lawson G, Nikki Privé G, William Ramstrom G, Michael J. Ring G, Efren Gutierrez '03.

PRODUCTION STAFF Editors: Ian Lai '02, Joy Forsythe '04; Associate Editors: Anju Kanumalla '03, Andrew Mamo '04, Shefali Oza '04; Staff: Gayani Tillekeratne '03, Eric Tung '04, David Carpenter '05, Hangyul Chung '05, Jennifer Fang '05, James Harvey '05, Nicholas R. Hoff '05, Jean Lu '05, Mandy Yeung '05, Ed Hill, Nur Aida Abdul Rahim.

OPINION STAFF

Editors: Kris Schnee '02, Jyoti R. Tibrewala '04; Columnists: Daniel L. Tortorice '02, Philip Burrowes '04, Akshay Patil '04, Stephanie W. Wang '04; Staff: Basil Enwegbara G, Michael Borucke '01, Matt Craighead '02, Christen M. Gray '04, Ken Nesmith '04, Andrew C. Thomas '04, Tao Yue '04, Vivek Rao '05, Maral Shamloo, Khoon Tee Tan.

SPORTS STAFF

Staff: Robert Aronstam '02, Adeline Kuo '02, Rory Pheiffer '02.

ARTS STAFF

Editors: Sandra M. Chung '04, Daniel S. Robey '04; Associate Editors: Fred Choi '02, Jeremy Baskin '04; Staff: Erik Blankinship G, Lance Nathan G, Bence P. Olveczky G, Sonja Sharpe G, Bogdan Fedeles '02, Amandeep Loomba '02, Bess Rouse '02, Veena Thomas '02, Winnie Yang '02, Daniel J. Katz '03, Jane Maduram '03, Amy Meadows '03, Chaitra Chandrasekhar '04, Jed Horne '04, Pey-Hua Hwang '04, Izzat Jarudi '04, Allison C. Lewis '04, Devdoot Majumdar '04, Atif Z. Qadir '04, Chad Serrant '04, Eric Chemi '05, Annie Ding '05, Patrick Hereford '05, Jorge Padilla '05, Ricky Rivera '05, Joseph Graham.

PHOTOGRAPHY STAFF

Editors: Nathan Collins G, Wendy Gu '03; Associate Editor: Jonathan Wang '05; Staff: Erika Brown G, James Camp G, Krzysztof Gajos G, Wan Yusof Wan Morshidi G, Michelle Povinelli G, Samudra Vijay G, Stanley Hu '00, Kailas Narendran '01, Aaron D. Mihalik '02, Matthew Mishrikey '02, Yi Xie '02, Roshan Baliga '03, Scott Johnston '03, Ekaterina Ossikine '03, Pedro L. Arrechea '04, Miguel A. Calles '04, Roy Esaki '04, Brian Hemond '04, Dalton Cheng '05, Annie Ding '05, Roger Li '05, Michael Lin '05, Timothy Suen '05, Amy L. Wong '05, E-won Yoon '05, Jason LaPenta.

Aaron Isaksen G, Solar Olugebefola G, Xixi D'Moon '01, Bao-Yi Chang '02, Jumaane Jeffries '02, Lara Kirkham '03, Duane Tanaka '03, Alison Wong '03, Sean Liu '04, Tina Shih '04, Nancy Phan '05.

BUSINESS STAFF

Advertising Manager: Aye Moah '05; Operations Manager: Jasmine Richards '02; Staff: Kedra Newsom '02, Huanne T. Thomas '02, Dashonn Graves '03, Joey Plum '03.

Director: Ming-Tai Huh '02; Staff: Frank Dabek G, Kevin Atkinson '02.

EDITORS AT LARGE

Senior Editor: Eric J. Cholankeril '02: Contributing Editors: Rima Arnaout '02, Annie S.

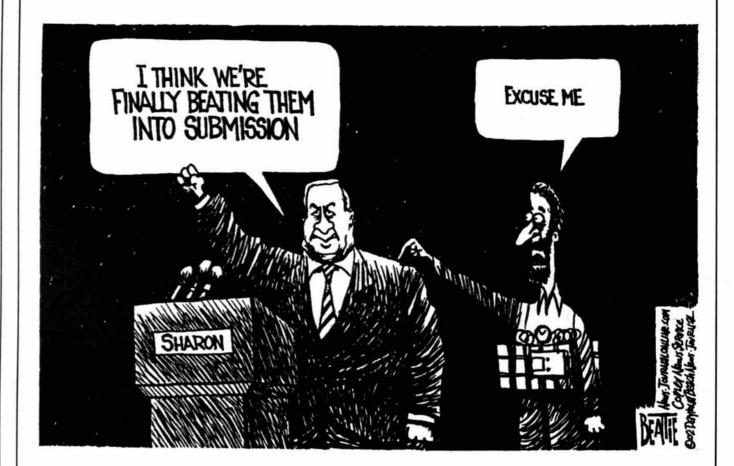
ADVISORY BOARD

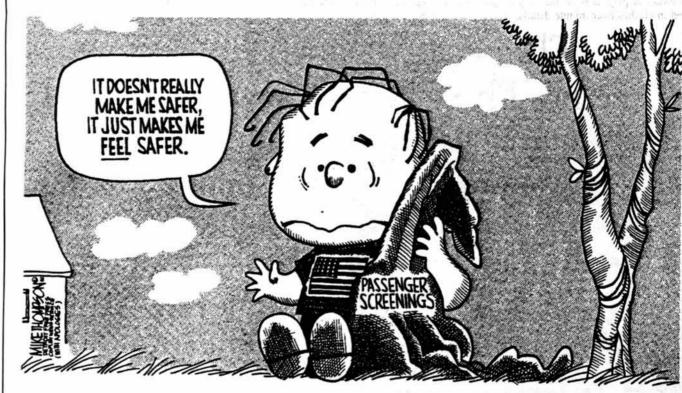
Paul E. Schindler, Jr. '74, V. Michael Bove '83, Barry Surman '84, Robert E. Malchman '85, Jonathan Richmond PhD '91, Vladimir V. Zelevinsky '95, Anders Hove '96, Saul Blumenthal '98, Eric J. Plosky '99, Joel Rosenberg '99, Ryan Ochylski '01, B. D. Colen.

PRODUCTION STAFF FOR THIS ISSUE

Night Editors: Jordan Rubin '02, Anju Kanumalla '03, Joel C. Corbo '04.

The Tech (ISSN 0148-0607) is published on Tuesdays and Fridays during the academic year (except during MIT vacatoons). Wednesdays during lanuary and monthly during the summer for \$43.00 per year Third Class by The Tech, Rosen W20-483, 34 Massachinerts, w. C., Cambridge, Mass. 02139. That Class postage paid at Roston, Mass. Pernit No. 1. POSTMASTER: Please send all address changes to our mailing address. The Tech, P.O. 10s. 1970.92, Cambridge, Mass. 02139-7093. Telephone (617) 253-1541. editorial; (617) 258-8229, business; (617) 258-8226, facumite. Adversing, and Servicion, and specieting rates available. Enter contents C 2002 The Tech. Printed on recycled paper by Charles River Publishing.





AIRPORT SECURITY (BLANKET)

Opinion Policy

Editorials are the official opinion of The Tech. They are written by the editorial board, which consists of the chairman, editor in chief, managing editor, executive editor, news editors, features editor, and opinion editors.

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

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

Letters to the editor are welcome. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. Submissions are due by 4:30 p.m. two days before publication.

Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. No letter or cartoon will be printed anonymously without the express prior approval of The Tech. The Tech reserves the right to edit letters. Once submitted, all letters become property of The Tech, and will not be returned. The Tech makes no commitment to publish all the letters received.

To Reach Us

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

Erratum

The article "Ashdown House Launches Non-Aramark Meal Option" [April 51 incorrectly states that Vijay Shilpiekandula G first proposed the idea for the new dinner plan. Housemaster Ann Orlando originally proposed the idea in an Ashdown executive committee meeting.

Achieving broad agreement is

important; if one cannot accept both

the only option is all-out war. Broad

agreement has been reached before,

only to be hijacked by extremist

groups on both sides.

Fighting for Peace

Khoon Tee Tan

Apportioning blame in the current Middle East conflict is as thorny an issue as it is hopelessly useless, all the more so when conflicting one-sided views are espoused with little or no regard for the other side of the story. By the time this issue goes to print, the situation may have improved slightly, but for now, intense fighting rages on in the West Bank cities with no end in sight to the violence. This should be a time for those with the luxury of distance from conflict to reflect on the graveness of the situation and to attempt to soothe, not exacerbate, the tensions of those directly affected. At this stage, lamenting the historical incidents (some call them accidents) which have played various roles in leading to the current Middle East situation, will do little in bringing peace to the region. The past may offer some lessons but it is no excuse for ignoring the realities of the present.

"Enough is enough," declared President George W. Bush last Thursday, in a powerful speech that, among other things, outlined a broad vision for peace in the region. "This can be a time for hope, but it calls for leadership, not for terror." He was critical of Yasser Arafat, sounding the need for a consistent approach at curbing terrorists, while also demanding an immediate end to Ariel Sharon's military incursions in the West

It is time to understand and to acknowledge that a military response to terrorism is no substitute for a political solution or any attempt to address the legitimate grievances of Palestinians and Israelis. Nobody wants to live in fear of the next suicide bombing, but then again, nobody likes to see their homes demolished and be subjected to harsh living conditions in refugee camps. No pregnant woman deserves to be denied the right to medical attention by checkpoint guards. Grievances at this level lead to closed hearts and closed minds, promoting the kind of terror tactics seen in the current conflict.

In a messily complex conflict with so many issues at play, it is all too easy to get tangled in clashes over minute details, while

losing sight of the bigger picture, which is for a viable Palestinian state at peace with Israel and vice versa. Achieving broad agreement is important; if one cannot accept both Israeli and Palestinian statehood, then the only option is one without the other - allout war. The fact is, broad agreement has been reached before, only to be hijacked by extremist groups on both sides, resulting in more attacks on Israeli civilians, and unabated Israeli settlement activity in Palestinian

When the Oslo agreement was signed in

1993, it was widely seen as a sign to the end of occupation and the beginning of a peaceful solution to a long and bloody conflict. If such views were held by twothirds of the Palestinian public then, today expectations of a permanent settlement have dipped to a mere 11 percent, if not lower. On the other hand, the popularity Palestinian

Islamists and nationalist opposition groups has soared to 31 percent, surpassing the 30 percent attained by Arafat's Fatah movement and its allies (Shikaki, Foreign Affairs Jan./Feb. 2002).

It is virtually impossible to control terrorism and to curb terrorist activities under such deteriorating public perception of the peace process. A populace angry with harsh and humiliating treatment provides fertile recruitment ground for terrorist organizations. Restoring faith in peace requires an end to the current conflagration in the West Bank, and the renewal of negotiations. Winning the hearts and minds of the Palestinians is imperative if peace for all is to have any hope. The hawks and hardliners will call it "appeasement," but Israeli policing of Palestinian territory is as unacceptable as allowing the kind of situation to develop in which bigger pools of the dispossessed offer themselves to militant groups that target Israeli civilians. No amount of Palestinian Authority crackdowns, Israeli "targeted assassinations" and international condemnation will curtail the flow of terror if the people themselves continue to be left in a hopeless situation.

True, in negotiations as in many things, the devil lies in the details. The thorniest issues which remain to be resolved are the political status of Jerusalem, the future of Israeli settlements and the right of return of Palestinian refugees. But today, there exist initiatives from within the region which could pave the way to a meaningful peace,

initiatives to which Palestinians and Israelis should give serious thought. The recently Israeli and Palestinian statehood, then concluded Arab Summit Beirut offers a glimmer hope: demanding an Israeli withdrawal from occupied Arab territories, a just solution to the problem

of Palestinian refugees and the establishment of a sovereign and independent Palestinian state, the Arab nations in return agree to sign a peace agreement and to establish normal relationships with Israel.

Even if this initiative were to be followed through, there may be some further attacks by extremist groups and criticism from the hardliners of both sides, but the best way to discredit them, to remove their sources of support and to put in place the foundations of a long-term solution, is by giving people hope for a peaceful settlement, in the way that the Oslo accords did. Both sides need to signal to one another their seriousness and commitment towards achieving peace; the Israelis by halting settlement activities throughout the West Bank and the Palestinians, by curbing terrorist organizations. Unless hope is restored, the alternative is perpetual turmoil in the Middle East, a regional conflict with global implications.

The 'Fair-rewards Policy' And The Cost-shared Lunch

Guest Column **David Gordon Wilson**

If a group of, say, 24 people of modest means have lunch together regularly but pay individually, they are likely to choose some form of economy special, for instance an egg-salad sandwich for \$2.99. But if someone suggests that, to save time, the waiter should put everything on one bill and then everyone pays an equal share, someone will quickly find out that she/he can order a dou-

ble-lobster for \$26.99, but the bill for each person increases by only a dollar. The cost-shared lunch is a bargain until everyone else discovers the same truth, everyone has lobster, the cost-shared bill for each becomes \$26.99, and people are asking each other, "Why is eating out

suddenly so expensive, and why am I putting on weight?'

The more altruistic are then likely to learn another lesson from the cost-shared lunch: that if one person returns to having the egg-salad sandwich, her/his bill is reduced by only a dollar.

This analogy applies very closely to our present situation. The incentives to wasteful activity nationwide are greatly increased when the cost is shared among 280 million people, because the "increase in the bill" from one person's selfish actions is undetectable. Many of us drive SUVs and trucks because we, as a nation, have chosen (perhaps unwittingly) to share much of the cost of providing the roads, the fuel, and of the cost of the defense establishment needed to safeguard the sources of that fuel. We are sharing, also, the costs of the hostility of people who do not believe that we have a right to be there to defend what seems to them to be a gluttonous and hedonistic way of life. As a result of these low perceived prices and the consequent profligate consumption, the United States uses about a quarter of the world's energy, and produces about a quarter of the world's

pollution. The same pattern is broadly true for electricity, natural gas, water, timber, and for the mining of minerals and fuels.

We teach our students to look at all possible solutions to problems, including those at the ridiculous extremes, and to pick an optimum somewhere along the spectrum. One ridiculously extreme solution to the problem of energy shortages is rationing and regulation of everything, as practiced by the former Soviet Union. We know that that doesn't work, there or here. The other extreme, not ridiculous but highly flawed, is a completely

Taxes on nonrenewable

energy could be made

progressive and popular if

introduced properly.

free market. However, technological developments about benefits to the users, and penalties or costs, so-called "externalities," to nonusers. The use of fossil fuels in motor vehicles brings about a host of externalities, including pollutant emissions, usage of finite

resources, accidental injury and death to nondrivers, increased defense costs to pay for "our" oil supplies, huge losses of time and a great reduction in the quality of life for nonusers, and so on. Some economists have assessed just the quantifiable externalities as being on average between \$0.60 and \$1.00 per mile driven for every U.S. vehicle.

A simple energy tax to internalize these externalities would introduce other problems; poor people in particular would suffer. This has been a major reason why proposals for higher U.S. energy taxes (which would certainly reduce demand efficiently) have been repeatedly rejected: they would be "regressive." Such a tax would also transfer enormous funds to the government to be used, mostly, for unproductive purposes, and it would be inflationary.

However, taxes on nonrenewable energy could be made progressive and popular if introduced properly. First, they would be imposed on a gradually rising scale over a period of months, perhaps years, so that individuals and businesses could plan ahead. Next, the proceeds of the taxes would be put into an impregnable trust fund, immune from being used for Congressional "pork." The trust fund would be reduced to zero at the end of every month through rebates (via a negative income tax) allocated in equal amounts to every legal adult citizen in the country.

We could call this the "Fair-rewards Policy." Because energy use and, therefore, the additional taxes paid, increase with wealth and income, the hypothetical "average citizen" would receive a rebate exactly equal to his or her energy taxes (assuming no change in his or her consumption, and assuming that the costs of the tax collection and distribution would be small). Rich and high-income people would receive a rebate less than their energy taxes. Poor people would, on the other hand, receive a rebate larger than their increased expenditures. They would get richer, and the tax would thus be progressive. Everyone, rich and poor, would have an incentive to reduce the use of nonrenewable energy and to invest in energy-saving measures. There would be a free-market boost for new-technology business, and employment would increase. Many government programs to develop better technology could be phased out. Traffic jams would decrease. It would become fashionable to walk short distances. Buses would run faster and more frequently. Energy supply and demand would come into balance. Welfare programs could be scaled back because everyone, including the poor, would now have something approaching a guaranteed annual income with no strings attached.

The same principles could be applied to shortages in other resources, including road space (congestion taxes would become feasible and popular), and to emissions (where the economics justified taxes to reduce pollution).

The fair-rewards policy would produce all kinds of incentives favoring socially beneficial activities, and would put the United States far ahead environmentally. We would have high employment and prosperity. We would no longer need Middle East oil, and we could bring our troops back home. Most of the irritants that produce militants would have gone.

David Gordon Wilson is a senior lecturer in the Department of Mechanical Engineering.

Leaving A Marking

Akshay Patil

People who complain that there is not enough communication within the student body here at MIT have obviously never read the message board hanging on the door of my room. There we find the spirit of idea exchange alive and well, even flourishing if I may be so bold. On its white surface periodically appear messages of all sorts of natures, promoting a flow of information between me, my roommate, and those who decide to grace our board with their creative input.

Yes, there's nothing more gratifying than to come back from a long day of classes to find that someone has lovingly scribbled "UZ A HO" on your white board. Sometimes in a fit of cultural enrichment, others will write "PUTO! Where are you?!" Yes, there is much to be learned from the message board.

People also use the board as a way to express their artistic side. Creative drawings frequently appear on our board, occasionally graced with a variety of color, signifying that the artist was unwilling to remain constrained by the blue marker under our board and took it upon him/herself to demonstrate a more diversified range of color in their imaginative depiction. And in the spirit of community, others will often add to the drawing, modifying it in such a way to use the pre-existing image as a foundation for their creative message. Strangely enough, this often involves enlarging certain aspects of human anatomy, but who am I to question the validity of art?

Instead of drawings, however, others turn to song lyrics in order to convey to me and my roommate how they are feeling at the time. The eighth letter of the alphabet raised to the power of "izzo" was, for a time, a popular expression to appear on our board. What the mathematical significance of this expression is still eludes me, since no one seems particularly keen on defining their variables. Of course, other meaningful

Creative drawings frequently appear on our board, and in the spirit of community, others will often add to the drawing, using the pre-existing image as a foundation for their creative message.

lyrics such as Peter Gabriel's "Don't you know you've got to shock the monkey" also grace our board from time to time.

The night before a major problem set is due, the message board often becomes a place of true learning, with traditional Greek letters and strange math symbols being laboriously marked in blue ink. Sometimes, interesting derivations or circuits last a few days, menacing the occasional passerby with the firm assertion that yes, we do go to MIT. This is of course until my roommate (pronounced "Sloanie") erases it all.

On rare occasions, friends even use our message board to leave factual messages. These range from polite messages reminding us that we owe someone money to aggravated messages reminding us we owe someone money Every so often the flow of communication is reversed, and we leave messages for other people on our board, such as "Don't come in, I'm naked," or "SHHHH!!! Akshay is asleep." Thus our board acts as a portal of information between us and the outside world. Friends even try to keep us up to date with late breaking news such as "You suck," "I'm a monkey!" or "Your pen is dead" from time to time.

And let us not forget that aesthetically pleasing moment that comes from a freshly erased white board. A vast open canvas ready to come alive. With a felt-tipped marker (and if it's not dry-erase, heaven help you when we find you) in your hand you have the freedom to initiate. Who knows what will happen when you mark something on the board? Will people ignore it? Will they respond to it? Will they add to it? The possibilities are finite.

Ah yes, there's nothing like a message board on your door to promote communication within the student body. An open forum to anonymously share one's feelings and emotions with those who regularly read the board. A free channel of communication available for the artistic expression of the MIT community. A medium for the exchange of ideas be they philosophical or pornographic. Just whatever you do, don't steal our pen.













April 9, 2002



Page











INTEGRAL FORCE

AHWONG



















pooplets & pooplibds and









BREAK

Great party Only one. last night, eh The music Alex? Talk to was really any girls? too loud to-

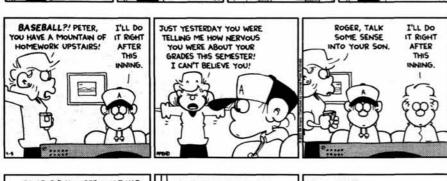


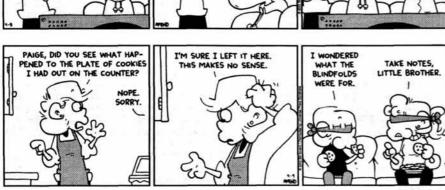




FoxTrot by Bill Amend







Dilbert® by Scott Adams



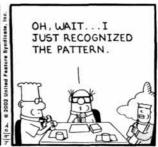












Crossword **Puzzle**

Solution, page 17

ACROSS

- Fete Laconian city
- 11 Squealer
- 14 Seth's pop 15 Superimpose
- for the money... 17 Zero
- 18 Implanted
- 19 Condemnation from the church 20 Presidential subsidy
- 22 Moderate
- 23 Malicious sarcasm
- 24 Mountain subdivision
- 25 Fill too much
- 26 Fries' companion
- 27 Eur. nation
- 30 Commercial wares 33 Previous spouses
- 35 Rise up
- 36 Nile wading bird
- 37 Preventive against thyroid
- 40 Night flyer
- 41 Entrapped
- 42 Opening
- 44 Hayes or Hunt
- 45 Root-flavored candies 50 Belligerent god
- 51 Gamblers' destination
- 52 Drinks counter 53 Language of Mogadishu
- 54 Congregation feedback
- 55 Giant with a retired number 56 Pulverizes
- 57 Sacrifice time
- 58 Sure enough! 59 Still

- DOWN
- Criminal collectives
- Festoon
- Hawaiian island
- Recompense
- **Broken into fragments** Broke new ground
- Robert and Alan
- Philbin of TV
- Word used to distinguish sloths 10 Plus
- 11 One of the Bee Gees
- 12 Deadening of pain
- 13 Superlatively sore
- 21 Side in a contest
- Gras 24 Stocking flaw

- 20
 - 26 Pilot in a gondola
 - 27 Jerry Lewis comedy
 - 28 Free from blame
 - 29 Dangerous situations
 - 31 Network with an eye for its logo
 - 32 Congestive maladies
 - 34 Fathers
 - 38 Buddhism branch
 - 39 Made haste 43 Other suitors

 - 45 Madagascar primate
 - 46 Substanceless
 - 47 Bit part 48 Perfect places
 - Domingo
 - 51 Action's cause 53 Health haven

MIT Laboratory for Computer Science

UROP SUMMER STUDIES PROGRAM 2002

This summer program is intended for undergraduate students who are interested in participating in research projects in the Laboratory for Computer Science. Although no prior experience is necessary, pay under this UROP Summer Studies Program is commensurate with experience, and the program is open to all undergraduates not currently or formally associated with the Laboratory. Students are expected to continue work in the Fall semester (either for credit or for pay). We hope to identify creative and energetic undergraduate students interested in computer science and to encourage their development.

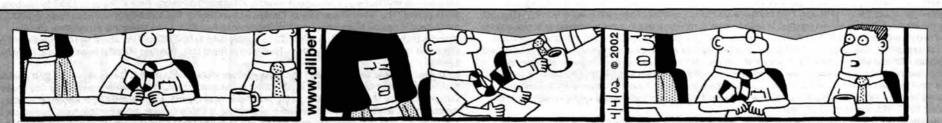
An informational meeting will be held:

Wednesday, April 10 Building NE43, Room 518

Refreshments: 3:00 pm Presentation: 3:30-5:00pm

If you are unable to attend but are still interested in the program, send e-mail to beth@hq.lcs.mit.edu.

Laboratory For Computer Science http://www.lcs.mit.edu/> General UROP Information http://web.mit.edu/urop



Want to see the full picture?

Join The Tech Production staff and read Dilbert® and the rest of the paper before your friends do! Stop by Room 483 of the Student Center or call us at 253-1541 and ask for Eric.

The Tech

COMPCS * FUN PACES

Events Calendar es, including, but not limited to, damages resulting from attendance of an event. Contact information for all events is available from the Events Calendar web page. Visit and add events to Events Calendar online at http://events.mit.edu

Tuesday, April 9

7:30 a.m. - 5:00 p.m. - The 2002 MIT Research Directors Conference. This annual, two-day event features leading MIT faculty and researchers and highlights various research projects underway at MIT. \$1,450 (Free to MIT Community). Room: Kresge Auditorium. Sponsor: Office of Corporate Relations/ILP.

12:00 p.m. - 1:00 p.m. - Quick Start Class: Learn to Post Your Events Online. See how easy it is to post your MIT event online using the MIT Events Calendar. Free. Room: Building N42 (Demo Room). Sponsor:

12:00 p.m. - 1:00 p.m. - Simplify your life. Feeling trapped by schedules, obligations, finances? Explore how to simplify your inner and outer worlds and focus your energies. Free. Room: 12-102. Sponsor: MIT Medical. 12:00 p.m. - 2:00 p.m. - Life Sciences in the 20th Century: A New Look at an Old Topic. Dibner Institute Lunchtime Colloquium, Free, Room; E56-100, Sponsor; Dibner Institute,

12:15 p.m. - 1:30 p.m. - The Impact of MCAS on Inquiry-Based Science Education. A panel discussion on the impact of the MCAS on inquiry-based education, especially in the sciences. Free. Room: 56-114. Sponsor: The Technology and Culture Forum at MIT.

2:00 p.m. - 3:00 p.m. - EECS Special Seminar "A Lagrange Multiplier Theory for Constrained Optimization." Lagrange multipliers are central to analytical and computational studies in linear and nonlinear optimization and have applications in a wide variety of fields, including communication, networking economics, and manufacturing. The main research in Lagrange multiplier theory focuses on developing general and easily verifiable conditions which guarantee that the optimization problem of interest can be analyzed using Lagrange multipliers. This talk presents a new development of Lagrange multiplier theory that significantly differs from the classical treatments. As a starting point, we present a set of optimality conditions, which are stronger and more general than the classical Kuhn-Tucker conditions. Based on these optimality conditions, we introduce new criteria that emerge as central within the taxonomy of significant characteristics of constraint sets of optimization problems. Free, refreshments at 1:45 p.m. Room: Grier Room A (34-401A). Sponsor: EECS, Digital Signal Processing Group.

3:30 p.m. - 5:00 p.m. - "Political Islam in Central Asia." Dr. Olivier Roy is Research Director in the Humanities & Social Sciences sector of the Centre National de la Recherche Scientifique in Paris and has been a consultant with the French Ministry of Foreign Affairs since 1984. He undertook several journeys in Afghanistan during the Mujahideen resistance to the Soviet invasion of 1979 and then embarked on numerous trips to the ex-Soviet Central Asian republics, notably Uzbekistan and Tajikistan. He was Special Representative of the Organization for Security & Co-operation in Europe (OSCE) in Tajikistan in 1993-94 and headed the OSCE Mission to Tajikistan in 1994. Dr Roy has delivered lectures and seminars at leading institutions in Europe and the United States, and is the author of numerous articles and books. Free Refreshments will be served. Room: E38-615 (CIS conference room). Sponsor: Center for International Stud-

4:00 p.m. - 5:00 p.m. - MTL VLSI Seminar Series. DSP based on a Residue Number System with "One-Hot" Encoding or The Chinese Remainder Theorem and You. Free. Room: 34-101. Sponsor: MTL VLSI Seminar. 4:15 p.m. - 5:30 p.m. - GTL Seminar. Unsteady Flow and Whirl-Inducing Forces in Axial-Flow Compressors. Free. Room: 31-161. Sponsor: Gas Turbine Laboratory.

4:30 p.m. - 6:00 p.m. - Democratization and the Likely Dynamics of Future Civil-Military Relations in Pak-Istan. Program on Human Rights and Justice at MIT Spring Speakers Series. Free. Room: CIS 7th FLoor Conference Room, E38, 292 Main Street. Sponsor: Program on Human Rights & Justice.

6:00 p.m. - 7:30 p.m. - Toastmasters@MIT Evening Meetings. Room 5-134. Free. Sponsor: Toastmasters. 6:30 p.m. - "Gunnar Asplund and the Laws of Modernism." Architecture lecture by Nicholas Adams, historian, Vassar College. Free. Room: Rm 10-250. Sponsor: Department of Architecture.

Wednesday, April 10

7:30 a.m. - 12:30 p.m. - The 2002 MIT Research Directors Conference. This annual, two-day event features leading MIT faculty and researchers and highlights various research projects underway at MIT. \$1,450 (Free to MIT community). Room: Kresge Auditorium. Sponsor: Office of Corporate Relations/ILP.

12:00 p.m. - 1:30 p.m. - The Precautionary Principle for Protection of Health, Safety, and the Environment. The European Environmental Agency's January 2002 report Late Lessons from Early Warnings: the precautionary principle 1896-2000 scrutinizes 14 case studies of issues like PCB, TBT, CFC, Mad Cow Disease, and asbestos. Each case is analyzed historically with respect to knowledge or lack of knowledge at any given time and what decisions and actions or lack of actions were taken at that time. The case studies constitute false negatives; that is, what was anticipated to be harmless turned out to be harmful. These histories are analyzed with respect to understanding how the "precautionary principle" could have been applied in order to learn from past events and diminish the risk of similar negative experiences in the future. "Mad Cow Disease" and "Hormones as growth promoters" will be highlighted with respect to the European Union and the US situation and the WTO's trade disputes arising from different interpretations of the principle. Free. Room: Room E40-496. Sponsor: Laboratory for Energy and

12:00 p.m. - 1:00 p.m. - MIT Artists Behind the Desk: Francis Doughty, instrumental guitar. Performing originals and arrangements from his new CD "Under the Sky," on 6- and 12-string guitars. Doughty is administrative staff assistant in the Research Lab of Electronics. Doughty's instrumental CD "Under the Sky" has just been released. Doughty's guitar-playing style is riveting and instantly engages the audience. His performances present a mix of his own instrumental compositions, stories about the songs, his life and other musings, mixed in with an occasional song by Kottke, Fahey, Ed Gerhard, or the traditional or slide piece. His masterful playing is complemented by his easy, down-to-earth, and genuine stage manner. Doughty was selected to perform at the Falcon Ridge Folk Music Festival Artists Showcase in 2001. He was also chosen to perform at the 1999 Boston Folk Festival Coffeehouse Showcase. Doughty grew up in Roslindale, Mass. and now lives in Wendell, MA in the house he built together with his wife, Laura. They have two cats and nine hens. Doughty works part-time at MIT as administrative assistant to Prof. Donald Troxel, and as course secretary to EECS course 6.111. Free. Room: Killian Hall. Sponsor: Working Group on Support Staff Issues. 12:10 p.m. - 1:10 p.m. - Physical Oceanography Sack Lunch Seminar. No seminar. Free. Room: 54-915. Sponsor: Physical Oceanography

1:15 p.m. - 2:00 p.m. - Theory of Computation Seminar. Cynthia Dwork, Microsoft. "Zero-Knowledge and Proof Auditors." Free. Room: NE43-518. Sponsor: Theory of Computation, LCS.

1:15 p.m. - 2:45 p.m. - Special EECS Seminar. "Photonic Crystals: On the Road from Theory to Practice." Photonic crystals are periodic dielectric structures engineered to forbid the propagation of light in a range of wavelengths, the photonic band gap; they illuminate a fascinating intersection of classical electromagnetism, solid-state physics, materials technology, and even computer science and numerical methods. In this talk, we explore some of the twists and turns taken by these ideas on their way to practical realization. In addition to new phenomena and applications, we identify symmetry principles and semi-analytical techniques for a higher level of understanding of such systems, supplementing the myriad computational algorithms that come into play. Free. Room; RLE Conf. Room, Room 36-428. Sponsor: EECS.

with Applications to Medical Image Analysis. An important problem in image processing is the segmentation/partition of an image representing a real scene into regions with sharp boundaries. In order to solve this problem, D. Mumford and J. Shah proposed an energy, whose minimizers are "optimal" piecewise-smooth approximations of the given image. The unknowns are the segmented image, and a set of curves, representing the edges. A closely related problem is called active contours, where a curve is evolved to detect objects and extract their boundaries. A common level set formulation for active contours and image segmentation will be presented. The speaker will introduce an active contour model, based segmentation, that can detect contours with and without gradients. It will be shown how this model can be generalized to Mumford-Shah image segmentation, proposing a new and efficient multi-phase level set formulation. Problems of vacuum and overlap, naturally arising in computational multi-phase problems, have been overcome. Experimental results of object detection, shape extraction and segmentation of medical images will be presented. Free. Room: NE43-941. Sponsor: EECS, HST.

3:00 p.m. - 5:00 p.m. - spouses&partners@mit: Work and Family. Professor Jean Jackson, Anthropology, will come to discuss "The Changing Economy of Family Life in America," and how it compares to family structure and economics in your home country. Childcare provided. Free. Room: W20-400. Sponsor: spouses&partners@mit.

3:00 p.m. - 5:00 p.m. - Aero Astro Freshmen Open House. This Course XVI event is open to freshmen exploring majors. There will be lab tours, demos of various student projects, door prizes, food, etc. Faculty and students will be at hand to answer questions about Unified Engineering. Free. Room: Seamans Lab (33-116). Sponsor: AeroAstro.

4:00 p.m. - Annual Minta-Martin Lecture: Al Haggerty. 30th annual Minta-Martin Lecture: "Lean Engineering has Finally Come of Age (Or, Why We Can't Ignore 80 percent of a Product's Cost Anymore!)" Speaker: Allen C. Haggerty, Jerome C. Hunsaker Visiting Professor. Refreshments @ 4 p.m., Lecture at 4:30 p.m. Free. Room: 34-101. Sponsor: AeroAstro.

4:00 p.m. - 5:00 p.m. - SMA HPCES Seminar. "Matrix operations of optimal order my means of the hierarchical matrix technique" by Wolfgang Hackbusch. Free. Room: MIT Rm 3-133. Sponsor: AeroAstro. 4:00 p.m. - 5:00 p.m. - SMA HPCES Seminar. "Matrix operations of optimal order by means of the hierarchical matrix technique," Free, Room; MIT Rm 3-133, Sponsor; Singapore-MIT Alliance/HPCES.

4:15 p.m. - 5:15 p.m. - Locally Unitary Groups and Regular Polytopes. Refreshments will be served at 3:30 p.m. in Room 2-338. Free. Room: Room 2-338. Sponsor: Combinatorics Seminar. Department of Mathemat-

4:30 p.m. - 6:30 p.m. - Exploring the many dimensions of sustainable development: Technology, Growth, and Environment. Second in a series. Free. Room: E51-395. Sponsor: The Technology and Culture Forum at

Events Calendar appears in each issue of The Tech and features events for members of the MIT community. The

Tech makes no guarantees as to the accuracy of this information, and The Tech shall not be held liable for any loss-

April 9, 2002

5:00 p.m. - Emerson Advanced Music Performance Student Recital. Graduate student Ada Au, plano. J.S. Bach's "Partita No. 6 in Em, BWV 830"; a collection of Liszt's original work and transcriptions; S. Prokofiev's "Sonata No.3, Op. 28 in Am." Free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

7:00 p.m. - The Ice Storm. In the weekend after Thanksgiving 1973 the Hoods are skidding out of control. Benjamin Hood (Kevin Kline) reels from drink to drink, trying not to think about his trouble at the office. His wife, Elena (Joan Allen), is reading self help books and losing patience with her husband's lies. Their son, Paul (Tobey Maguire), home for the holidays, escapes to the city to pursue an alluring rich girl from his prep school. And young, budding nymphomaniac, Wendy Hood (Christina Ricci) roams the neighborhood, innocently exploring liquor cabinets and lingerie drawers of her friends' parents, looking for something new. Then an ice storm hits, the worst in a century. Things get bad. Free. Room: 26-100. Sponsor: LSC, Comparative Media Studies.

7:00 p.m. - The Right Wing Attack on Affirmative Action. Panel includes: Jean Hardisty, PhD, founder and President of Political Research Associates and a widely published author (Her most recent book is Mobilizing Resentment: Conservative Resurgence from the John Birch Society to the Promise Keepers (Beacon Press, 1999)) and Nikhil Aziz, PhD, a Senior Researcher at Political Research Associates. Free. Room: 4-231. Sponsor: Women's Studies Program.

7:00 p.m. - "Glimpses of India." Readings by Writer-in-Residence Stephen Alter (http://web.mit.edu/humanistic/www/faculty/alterstephen.html), Professor Anita Desai

(http://web.mit.edu/humanistic/www/faculty/desai.html) and Professor Robert Kanigel (program head, Program in Writing and Humanistic Studies, http://web.mit.edu/humanistic/www/faculty/kanigel.html). Free. Room: Bartos Theater. Sponsor: Program in Writing and Humanistic Studies.

8:00 p.m. - 10:00 p.m. - IFILM Film Seminar. Screening of an international movie accompanied by a discussion about it. Free. Room: 4-237. Sponsor: Graduate Student Council, International Film Club.

Thursday, April 11

9:30 a.m. - 12:00 p.m. - Catherine N. Stratton Aging Successfully Lecture. "The Aging Skin" is the topic of the 15th Annual Catherine N. Stratton Aging Successfully Lecture. Discussion will cover What's New and What's True?; Misbehaviors of Older Skin: What to Do About Them; and Surgical Approaches to the Aging Face. Three dermatologists with vast academic and clinical experience will be the guides for this panel discussion moderated by Dr. William Kettyle, Director of MIT's Medical Department. Coffee will be available in the lobby, before the lecture, at 9:00 a.m. A question-and-answer period will follow the presentations. Free. Room: Wong Auditorium (E51), Jack C. Tang Center. Sponsor: MIT Medical, MIT Women's League. 12:00 p.m. - 1:30 p.m. - Infant-Toddler Child Care Briefing. An introductory discussion for expectant parents

and those new to parenting or child care, covering types of care, costs, finding and evaluating care, and parental leave. Pre-registration is required. Free. Room: Family Resource Center (16-151). Sponsor: Family Resource Center.

12:00 p.m. - MIT Chapel Concert: Alexey Shabalin, violin. Ysaye's "Sonatas No. 2, 3;" Bach's "Partita No. 2." Free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

1:00 p.m. - 2:00 p.m. - EECS Special Seminar "Redundant Signal Representations in Digital Signal Processing." Redundant linear expansions are a common signal-processing tool. They appear in applications where orthogonal bases are not rich enough to accommodate the design requirements and in applications that require robustness to various forms of degradations. We discuss the theoretical foundations of redundant linear expansions and present some of their applications, including oversampled A/D conversion, orthogonal frequency division multiplexing, perceptual soundfield reconstruction, and representation of speech waveforms for robust speech recognition. Free, refreshments at 12:45 p.m. Room: Marlar Lounge, 37-252. Sponsor: EECS, Digital Signal Processing Group.

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

1:00 p.m. - 2:00 p.m. - Weight Watchers at Work meetings at MIT. New and returning members are always welcome at this weekly meeting on weight control. Friendly, relaxed lunch hour meetings. More info: tpriest@mit.edu. Room: Building 8-219. Sponsor: Information Center.

4:15 p.m. - 5:30 p.m. - Seminar: Kinematics and Lubrication of Cam and Follower Mechanisms. Spring 2002 Sloan Automotive Lab/Energy Systems Seminar Series. Free. Room: 31-161. Sponsor: Sloan Automo-

4:15 p.m. - 5:15 a.m. - Follow the Leader for Online Algorithms. ORC Spring Seminar Series. Seminar followed by reception in the Philip M. Morse Reading Room (E40-106). Free. Room: E51-145. Sponsor: Opera-

4:15 p.m. - Physics Colloquium. The Pappalardo Distinguished Lecture in Physics. "New Perspectives on Cosmological Structure Formation." Modern cosmology is founded on an understanding of how gravity affects the distribution of matter in the universe. The currently accepted paradigm is that gravitational instabilities amplify small ripples imprinted in matter and radiation in the early universe, and these fluctuations eventually evolve into the observed web of cosmic structures. I will review this paradigm. I will also discuss recent development in our understanding of the nonlinear clustering properties of galaxies and dark matter, and the implications for upcoming cosmic microwave background measurements. Free. Room: 10-250. Sponsor: Physics Department.

5:00 p.m. - 6:30 p.m. - "Keeping Caring Caregivers: A Mid-Term Evaluation of a State Policy Initiative to Support Workers and Nursing Facility Residents." Spring Seminar Series: Work Redesign. Free. Room: E51-057. Sponsor: MIT Workplace Center.

5:00 p.m. - 6:00 p.m. - Who owns the sky? Peter Barnes, founder of Working Assets, and author of "Who Owns the Sky?" Free. Room: E51-395. Sponsor: The Technology and Culture Forum at MIT.

5:00 p.m. - Artist's Talk by Isaac Julien, Julien, an installation filmmaker from London known for his mediations on popular mythology, history, race, and high culture will discuss his installation and video work, focusing on his new interactive documentary for the Independent Film Channel, "Baadassed Cinema," which examines Blaxploitation film. Julien was awarded the 2001 Eugene McDermott Award in the Arts by the MIT Council for the Arts. Currently, he is a visiting lecturer on Afro-American Studies and Visual and Environmental Studies at Harvard University. Free. Room: Rm 2-105. Sponsor: Comparative Media Studies.

6:00 p.m. - 7:00 p.m. - Land of the Gods: A Photographic Exploration of the Religious India. Susanne Gansicke works at Museum of Fine Arts, Boston, and is a Photo Artist in her spare time. She has widely travelled and covered many subjects including art, architecture, life and people. This slide show presents a selection of her slides from her latest visit to India. She weaves a compelling story around the slides that depict a diversity of religious beliefs and rituals in the daily life of people in India. Free. Room: 4-231. Sponsor: Grad-

7:00 p.m. - poetry@mit: Charles Simic. Born in 1938 in Belgrade, Yugoslavia, Simic arrived in America with his mother and brother when he was 16 to rejoin his father. Simic is the author of more than 60 books, and his work has won numerous prestigious awards, including: the Pulitzer Prize in Poetry in 1990 for his book of prose-poems "The World Doesn't End," Elected a Chancellor of The Academy of American Poets in 2000, his many awards include fellowships from the Guggenheim Foundation, the MacArthur Foundation, and the National Endowment for the Arts. Since 1973 he has lived in New Hampshire, where he is Professor of English at the University of New Hampshire. Free. Room: Rm 6-120. Sponsor: Program in Writing and Humanistic

8:00 p.m. - "Music for Decapods." The Ithaca College Woodwind Quintet performs music by Ligeti, Farkas, Shifrin, Berio, and Husa, The Ithaca Wind Quintet is the resident faculty woodwind ensemble for The Ithaca College School of Music. Founded in 1963, the Ithaca Wind Quintet is one of the oldest woodwind quintets in the country. In addition to its regular series of concerts at Ithaca College, the ensemble tours throughout the Northeast.In 1993, the ensemble participated and performed at the Symposium for New Woodwind Quintet Music at the University of Georgia and gave the world premiere performance of Dana Wilson's "Mirrors" at the National Flute Association Convention in Boston, In April of 1992, the Ithaca Wind Quintet participated in the world premiere of Karel Husa's chamber piece, "Cayuga Lake (Memories)" at Lincoln Center. In March of 1992, the ensemble recorded its first compact disc. Pre-concert talk/demonstration by Evan Ziporyn at 7:15 p.m. Free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

8:00 p.m. - 10:00 p.m. - The Abortion-Breast Cancer Link: Hard Science, Hardly Known. Prof. Joel Brind will speak about research linking abortion and breast cancer. Free. Room: 4-270. Sponsor: Pro-Life, MIT. 8:00 p.m. - Charlie and Algernon. Debut production by The Tech Players of the musical based on Daniel Keves' novel "Flowers for Algernon." Director: Jean Marie Barnwell: Vocal Director: Cemocan S. Yesil. This musical grabs the audience's heart and takes them on an enchanting journey through the mind of Charlie Gordon. Charlie Gordon, a man with the mind of a child, is given innovative surgery. His intelligence rapidly increases to genius level paralleling that of Algernon, a lab mouse, who has had the operation earlier. The interweaving of the fate of the mouse and the man and the love that grows between Charlie and his teacher, Alice Kinnian, make a most unusual, intelligent and romantic musical. First performed in London by Michael Crawford. Free. Room: TBA. Sponsor: The Tech Players.

8:00 p.m. - 10:00 p.m. - IFILM Film Seminar. Screening of an international movie accompanied by a discussion about it. Free. Room: 4-237. Sponsor: International Film Club.

April 9, 2002

Freshman Open House Tuesday, April 9, 2002

Civil and Environmental Engineering



Bush Room 10-105

3:30 to 5:00 PM

Free CEE T-shirts and Food

THE ARTS

FILM REVIEW ★ ★½

Smoochy Must Die

The Irish Mob and Children's Television

By Sandra M. Chung

Death to Smoochy
Written by Adam Resnick
Directed by Danny DeVito
Starring Robin Williams, Edward Norton, Jon
Stewart, Catherine Keener, Danny DeVito

he star of the film is a wholesome children's television icon, but *Death to Smoochy* is a decidedly adult flick.
Warner Brothers markets the film's

mascot as a adorable plush rhinoceros in a body bag, a symbol evocative of the guilty laughs and twisted humor that characterize the movie. Smoochy viewers will raise eyebrows or do double-takes at twisted concepts like the involvement of the Irish mob, Edward Norton dressed as a giant rhinoceros, and Danny DeVito, in this hilarious satire of the children's television industry.

Randolph Smiley (Robin Williams) leads a posh life when he's not ruling the airwaves as "Rainbow Randolph," the celebrated star of the most popular children's show on television. But when the FBI uncovers his shady deals with the mob and overzealous parents, the network boots his scandalous, multicolored self off the air. Kidnet executives Stokes (Jon Stewart, The Daily Show) and Nora (Catherine Keener, Being

ly begin the hunt for a new, squeaky-clean protagonist of children's programming. Their search ends in a Coney Island methadone clinic, where Sheldon Mopes (Edward Norton) spreads kindness, responsibility, and organic foods in the guise of Smoochy the fuchsia rhino (think Barney with a phallic yellow horn).

Smoochy's show is a smash hit, quickly turning Sheldon into a beloved, highly profitable public icon. The naïve Sheldon tries to politely pitch his ideas to Kidnet programming executives, but makes no progress in

the power struggles and money-grubbing reality of the industry. Undaunted, Sheldon adopts the "if you can't beat 'em, join 'em" philosophy and hires Burke (DeVito) to serve as a more forceful agent in his dealings with the network.

As Burke garners more control over Smoochy's show and image, Sheldon is reluctantly drawn into the same web of shady deals that brought Randolph down. In the meantime, the destitute Randolph plots revenge against his replacement, unsuccessfully resorting to Neo-Nazism, phallic cookies, and self-immolation. Will Mopes, with his wholesome naivete, ultimately prevail over the same evil that tempted and destroyed Randolph? Or are all children's television stars doomed to live their later years as mentally unstable bums and hitmen?

Death to Smoochy appeals to the Cadbury eggs among adults: the hard, sophisticated chocolate shell and the sweet, creamy child within. While much of the film's humor is exceedingly crass and mature, the developing relationship (read: obligatory love story) between Sheldon and Nora makes for touching moments rendered only slightly ridiculous or bittersweet by circumstances (a love scene with giant purple feet, an alcohol-elicited overture of friendship and almost-kiss). And Norton's trademark Smoochy pose, with widespread arms and open-mouthed grin in a plump fuchsia costume, is alarmingly adorable.

Williams, Stewart, and Norton are cast against type, to varying effect. Williams is both offensive and hilarious as the deranged wash-out Smiley. Reveling in his unique brand of over-the-top, lightning-quick humor, he seems exceedingly thrilled to not be playing another Patch Adams. Stewart plays the overgroomed executive Stokes with just the

right amount of restraint. Norton, however, is never completely convincing as the organic, superhappy Mopes. His highly talented portrayal of the seemingly guileless yet deeply loyal and motivated good guy is unfortunately inappropriate. In a film populated by purposely one-dimensional characters, Norton seems to be the only one who isn't in on the joke.

Overall, however, the casting is impeccable. Look for appearances by Harvey Fierstein (Bullets Over Broadway) as a nefarious charity pusher and the creepy Vincent Schiavelli (Tomorrow Never Dies) as a deteriorating relic of earlier children's programming. Don't be deterred by the twoand-a-half star rating; though not exactly an Oscar contender, Smoochy delivers exactly what it intends to deliver. This is a movie that begs not to be taken seriously, and if anyone does, the joke is on him.



John Malkovich) immediate- Randolph Smiley (Robin Williams) accosts the lovable rhino Smoochy (Edward Norton).

To JUNIORS Living on Campus... Senior Segue

Open House

4:30 pm & 7:30 pm Thursday, April 11, 2002 Transitions Lounge (1st floor, Student Center)

Learn about the opportunity to live in Graduate House * Free Food and Tours *

More information at web.mit.edu/rlslp/segue.html

WAREHOUSE

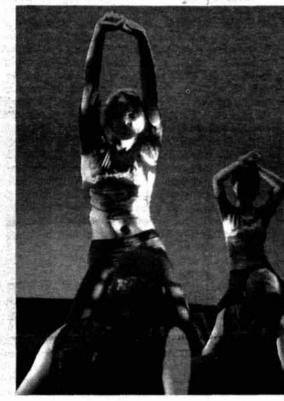
Sidney & Pacific

Ashdown

TANG



RA RANGE OF SHARE





PHOTOS BY WAN YUSOF WAN MORSHIDI—THE TECH

Dance Troupe put on its spring show, *Pulse*, in Little Kresge for Campus Preview Weekend last Thursday. (Above, clockwise from top) Catherine H. Chen '04, Christine Chang '04, Joanna J. Liang '04, and Helen Zhou '04; Elizabeth D. Rouse '02 (left) and Anna D. Bergren '05 in a synchronized chair dance; Cindy Gibbons paired with Daniel D. Lowrey '02 while Michelle Chang '04 paired with Alex Skorokhod '04 for the high-energy hip-hop and jazz opening dance. (Below, left to right) Vikash Sodhani supports Kris Helenek in the Popping/Breaking routine; Anna R. Kuperstein '05 (left) and Anna D. Bergren '05 perform a ballet piece.





FILM REVIEW**

Panic Room

Half Suspense, Half Comedy, Half Enjoyable

By Brian Loux

Written by David Koepp Directed by David Fincher Starring Jodie Foster, Kristen Stewart, Forest Whitaker, Jared Leto, Dwight Yoakam

ne aspect of working with a simple story is that authors and directors have an almost divine mandate to make it deeper. For example, Shakespeare took Hamlet, a common and trite story about revenge, and reflected on the meaning of life. Director David Fincher (Fight Club) does something similar with Panic Room.

The story is just about told in the trailer: Meg Altman (Jodie Foster, Contact) and daughter Sarah (Kristen Stewart) purchase a luxury apartment with an impregnable room installed by the previous owner, who was more rich and paranoid than most in the neighborhood. Just as they move in, a trio of angry thugs breaks into the house searching for the former owner's riches, and the pair barricade themselves in the room. Unfortunately, the thieves are headed straight for that room. Now the battle begins between the Altmans with their steel wall and (alas!) uninstalled security system and the driven thieves.

The problem is that for the first half of the movie, Fincher decides to develop a comedy, which doesn't really fit well with the story's tension. The botched heist and dead security system bring about such surges of stupidity that I was worried one of the characters was going to ask, "Dude, where's my car?" Equally inexplicable are the impressive moments of

Meg Altman (Jodie Foster) and her daughter Sarah (Kristen Stewart) cower in the panic room.

mental clarity from some characters to get them out of jams and stop the movie from becoming too ludicrous. Both protagonists and antagonists flip flop from a combination of the Keystone Kops and the Three Stooges to a combination of Solid Snake and McGuyver when the plot deems it necessary. I still cannot comprehend how in one scene Foster grasps at her cell phone underneath the bed like she has a flipper for an arm and then an hour later moves silently about the house laying traps and carrying a sledgehammer in ninja fashion. While much of the foolishness and ingenuity is meant to give insight into some characters' psyches, the scenes often play out as hilariously overboard.

Aside from their blunders, we learn little about these characters in the first half of the script. This unfortunately establishes them as one-dimensional, and the actors must fight to show you they are not. It feels like we've seen the criminals before: inept leader and crybaby Junior (Jared Leto), maniac Raoul (Dwight Yoakam) and blue-collar-turned-thief-with-aheart-of-gold Burnham (Forest Whitaker, Ghost Dog). Even when we later learn that Sarah and Meg have more problems than just being trapped in their own house, it is hard to empathize with them when all we know is that they are Upper West Side elite.

The movie finally picks up at the halfway point with an unexpected plot twist. From then on, suspense lives up to expectations, plot kinks are intriguing rather than comical, and character enrichment lessens their onedimensionality. Whitaker really begins to shine and almost becomes the male lead (if there really is one) as he begins to question

his motives for taking the assignment and whether the promise of a better life justifies what has happened to the Altman family.

Though the last part of the thief saga is spectacular, the ending leaves much to be desired. Since the supposedly impervious panic room proves to be susceptible to attack, a director like Hitchcock could have easily left you with the feeling that nowhere is perfectly safe from evil. Fincher decides to just end the story in no particular fashion, only notifying the audience that it's time to go home. While thrilling and fun for a while, Panic Room falls short of its ultimate potential and is overall, forgettable.



Jeremiah Freed performed at Bill's Bar in Boston on April 5.

MUSIC REVIEW

Jeremiah Freed

The Essence of Rock

By Andrew Selbst STAFF WRITER

Jeremiah Freed Universal Records Released March 26, 2002

eremiah Freed's self-titled major label debut is a nothing less than a celebration of all things rock. From melodically rich intros to emotional lyrics and singing, it has everything that a fan of the genre could ask for. The album exhibits influences from all over the rock spectrum, including many of the classic greats, such as Led Zeppelin, The Who, Aerosmith, and Lynyrd Skynyrd. Many of the songs are quite different from each other, roaming in opposite directions, yet unified by the drive and emotion behind the entire album.

The band consists of five guys, all around twenty years old, all having graduated from the same high school in June, 2000. They came together in their sophomore year of high school to worked toward careers as musicians. Their frontman is Joe Smith, on vocals, and behind him are Nick Goodale on lead guitar, Jake Roche on rhythm, Matt Cosby on bass, and Kerry Ryan on drums. Smith and Goodale grew up together, and met each of the others in school, joining together to form Jeremiah Freed.

The relationship between Smith and Goodale comes through in their music. Before the band was formed, it was just the two of them singing and playing guitar. It's easy to imagine them writing songs that had to sound good without drums or bass, and working to make the voice and guitar complement each other fully. While the other three instruments put everything together, most of the songs are centered around a powerful combination of the lead guitar and vocals that come out of a lifelong friendship.

A fluid style of guitar dominates the album, with many of the songs centered around intricate melodic riffs with an occasional chord thrown into the mix. Several songs, including one of the singles, "Again," begin with full guitar intros, which are often referred to again in the song. These intros are pleasant, skillfully played, and illustrative of the breadth of the band's influences. In "Wait For Me," between the straightforward drumbeat and opening guitar sound, the song could easily have continued into something on a John Mellencamp album. However, "Eyes, Life, Change" contrasts starkly with "Wait for Me" with an opening that must have been inspired by "Foxy Lady."

Nirvana's intention was to take music back to the sixties, or more specifically, to the Beatles, while bringing a new feel to it. Jeremiah Freed managed to accomplish a similar goal very well. While there is no question that their album is new rock, and distinctly their own, it is easy to tell that a great deal of their influences come from the era of classic rock. They bring a new feel to all of the old classics, appealing to rock lovers of different generations.

INTERVIEW

Spin Doctors

Chris Barron on bringing the band back together

By Devdoot Majumdar

t's kind of hard to picture that guy on MTV who preached the famous "just go ahead now" telling his daughter to go watch "Blues Clues" because Daddy's on the phone. But then again, that was ten years ago, and this is the Chris Barron of today. The lead singer of the Spin Doctors took a few minutes to sit down and talk to The Tech from his home in New York.

The Tech: Spin Doctors pretty much ceased to exist a few ears back when you were unable to sing because of a paralyzed vocal chord. How was the rehabilitation?

Chris Barron: Well I did acupunture, acupressure, chinese herbs, steroids - you know traditional Western medicine, psychotherapy, anything you can probably name. I have no idea what worked. Basically, I had a fifty-fifty chance of making it back.

TT: Did you just wake up one morning with

CB: It was a gradual process. I lost my voice about this time of year in '99 and it started coming back around October, and over the course of the next three or four months. At first, I started sounding like the Godfather. And it just got better and better - I recovered slowly. It's not a chronic condition. A paralyzed vocal chord has a one in eight million chance of happening, so it was rare.

TT: And the band? Is Spin Doctors back together for good or is this a temporary reunion?

CB: Well, we're just doing these eight shows to see what

TT: How have things been going since your concert last

CB: Well you know we did the show at Wetlands, and everyone had a ball. And we're really looking forward to doing more shows.

TT: Are you guys doing any new songwriting?

CB: No ... yeah, yeah we're sort of talking about writing and goofing around with that, but there're no formal plans for making a record at this moment, but some of us are sort of goofing around with writing.

TT: What can audiences expect to hear from Spin Doctors? CB: We are going to focus on the material from our live record, Pocket Full of Kryptonite, and Turn It Upside Down, our second record. And basically we're going to be getting around to how we used to play.

TT: How do you feel the band has developed over the last

CB: At this point in time, it's more of a matter of getting



Chris Barron (second from left) and the Spin Doctors.

back into where we came from rather than developing. We started out as this bar band — this nightclub kind of band with this meteoric rise. I think right now we're sort of getting back to rocking audiences as hard as possible.

TT: Do still enjoy singing "Two Princes?"

CB: I love singing it. Oh I love it. I really enjoy singing it. I really like the melody of it. It's a fun song, it's a little bit

Chris Barron's Daughter: Who are you talking to?
CB: I'm talking to a guy named Dev. He lives In Boston. He's interviewing me for a newspaper.

CB: Um, I don't know, I guess they must be interested in what I have to say in Boston. Anyhow, Dev, you were saying?

TT: "Two Princes" ...
CB: Oh man, I never get tired of singing that tune. I know it probably sounds really corny. It'd probably be more cool to be really jaded and say I wish I never had written that song and I'm so bored of singing it. I've sung it a thousand million times. But you know I really love that tune. I like the melody, it's got a real upbeat tune.

TT: If you had to do anything over, what would you do differently?

CB: When we started making our second record, we did a sion in Memphis with a producer named Jim Dickinson. We basically made our second record and Epic kind of held it back. We were totally burned out from the road and we were in this really heavily burned out, dark headpace. And so Epic heard that record and they were like "whoa." They saw this really dark side of the band that they were really unprepared to hear. If I could change anything, I'd probably have put that version of the second record out. It was dark, and dirty and nasty and ... harsh. It was this side of the band that's very real.

I think people kind of think of us as the "Two Princes, "Little Miss Can't Be Wrong" kind of band, but I think that our fans that followed the band a little more closely that really got into our show know that we also have this dark side. I think if we put that record out second, we might have

shown people what Spin Doctors is really about.

Devdoot Majumdar '03 is a co-chair of the Spring Weekend concert committee.

MUSIC REVIEW

Welcome to My Party

Rap Music With A Melody

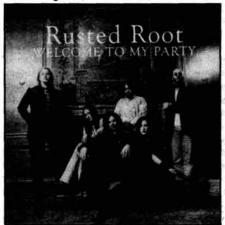
By Allison Lewis

Rusted Root Welcome to My Party Island Records Released April 9, 2002

ou may or may not have heard of Rusted Root. They're an almost indescribable band that has developed a huge fan base of mostly college kids. They've been compared to Dave Matthews Band and described as indie, worldly, and organic. Comparisons aside, Rusted Root does its own thing.

Rusted Root's members are Mike Glabicki (lead vocalist, guitarist, songwriter), Liz Berlin (vocalist, songwriter), Jim Donovan (drummer, percussionist), Patrick Norman (guitarist, bassist), Jenn Wertz (vocalist, songwriter), and John Buynek (multi-instrumentalist, vocalist). Their album When I Woke (1994) featured the hit song "Send Me On My Way," and went platinum in 1996. Now they've teamed up with producer Jim Bottrell (Sheryl Crow, Shelby Lynne) to create Welcome to My Party, an intricate and awesome album. I'll admit it; I've developed an addiction to it.

"Union 7," the first song on the album, has rock guitar, a Caribbean drum beat, a



rough and twangy lead male voice, and two women crooning in sexually charged voices. It sounds like some drunken karaoke night at the hippest club on the strip, or long-haired twenty-somethings rocking out in a bar. It sounds like foreplay.

Rusted Root's songs combine several different styles: African, Latin, Blues, and rock, to name a few. Welcome to My Party features an electric guitar and computer sounds, in contrast to the acoustic sound of earlier albums. The band feels these additions make this album stand out from their others. Mike Glabicki takes the lead; his strong voice vibrates, sounds whiny at times, but mostly, he just sounds sexy, in a lots-of-facial-hair way. The rest of the band gels, grooves, and rocks, as their strong instruments snap together like a puzzle. The end result is manic and filled with energy. African-influenced percussion gives it a characteristic, hypnotic vibe. It's hip-hop for white people.

Some songs sound like drugged-out parties on deserted islands covered with islanders chanting and drumming Calypso beats, and some sound like a hayride through green country grass, on a wagon with squeaky wheels. "Blue Diamonds" is a love ballad sung by Glabicki and Wertz, who say it's their favorite song to perform live. It isn't a delicate love song; instead, it's rough and honest, two strong and solid voices trying to overpower each other. But, like the rest of Welcome to My Party, this off-the-beatenpath technique makes "Blue Diamond" exquisite, beautiful, and crazy.

Welcome to My Party is passionately uninhibited, percussive, and loosely layered. The words don't always make sense, and, if they do, they're nothing new - just sex, drugs, and rock n' roll set to a vibe. But the words don't matter; the meaning is in the

Welcome to My Party is rap music with a melody. It's fresh and cool, and won't ever go out of style. You'll be hooked. You'll keep listening. You'll wanna put on a hula skirt and dance barefoot.

FILM REVIEW***

Dude, Where Are Jules and Jim?

Y Tu Mamá También Redefines the Teen Movie

By Jed Home STAFF WRITER

Y Tu Mamá También Written and Directed by: Alfonso Cuaron Starring: Diego Luna, Gael García Bernal and Maribel Verdú NR, contains explicit sex and language

hen their girlfriends leave for a summer in Italy, Tenoch (Diego Luna) and Julio (Amorres Perros' Gael García Bernal), two doped-up and horny friends, convince Tenoch's scorned cousin-in-law to accompany them on a road trip to an imaginary beach on Mexico's Pacific coast. Along the way the three

friends learn to live, laugh and love.

Okay, so maybe the plot does sound a little like Britney Spears' new movie, even if these randy teens do more than just talk about sex. But what Y Tu Mamá lacks in setup and loses in teeny-excess is more than compensated for by an unusual sobriety (and, arguably, a sense of humor) rarely found in American teen movies. So think Dude Where's My Car's latent homoeroticism done intelligently and American Pie's cum jokes made (almost) tastefully, switch the soundtrack from Blink 182 to Flaco Jimenez, and you've almost got this one figured out.

But a sense of humor and emotional earnestness don't lift a movie out of an otherwise stagnant genre. Y Tu Mamá También has enough aplomb to at least try for something more. One touch is the setting, wonderfully chosen and evocatively shot. I have made an almost identical road trip before, from Mexico City to Acapulco, and it's hard to imagine a treatment more true to form or more poignant.

The other saving grace of this film is its deft reverence to its predecessors. The opening shot is of a poster for Harold and Maude, perhaps a not-so-subtle hint at the age difference between the two boys and the much older Luisa (the once beautiful Maribel Verdú of Belle Epoque). Truffaut's transcendent Jules et Jim, the standard by which all subsequent cinematic love triangles must be assessed, is evoked in the narration, which often interrupts the dialogue mid-sentence and winds, Amélie-style, through the lives of minor characters.

And if some of the film's political points are a bit simplistic, its wandering lens captures a circumstantial backdrop that is, perhaps intentionally, more emotionally poignant than the main threads of story. Y Tu Mamá También ties together characters as far removed as the President of Mexico and a poor fisherman in the anachronistic and immediate drama of twenty-first century Mexico.

The movie's inspiration is as diverse as that of Mexico's last contribution to world cinema, the less scatter-shot and considerably more intense Amorres Perros, which borrows pages from Kieslowski's The Three Colors trilogy and Pulp Fiction. Both dwell on the uniquely Latin sense of fatalism, a binding thread of the lower and upper classes in Mexican society. Both attempt to encompass the breadth of human experience and emotion.

But, as flawless as Amores Perros was, Y Tu Mamá has it beat for entertainment value hands-down. It's that much more aggravating then, when the film's emotional poignancy and political relevancy are occasionally dulled by a few-too-many sex jokes.



>your first time traveling abroad, that is.

>europe from \$55 a day! our textbooks cost more than that, contiki has 100 worldwide trips to choose from and you can do it with people your own age. with such a great deal what are you waiting for?!??!!!

14 days from \$969

>wnere > greek island hopping > mediterranean highlights 14 days from \$859

> > simply italy 13 days from \$749

> european getaway 8 days from \$589

> see your travel agent call toll-free 1-888-CONTIKI visit www.contiki.com





Freshman Open House Department of Aeronautics and Astronautics Wednesday, April 10, 2002 Refreshments, Ouestions & Answers 3:00 - 4:00 pm. At the Seamans Lab (33 - 116) Lab Tour Leaves from 33-116 at 4:00 pm.

Find out what Unified Engineering is like See the exciting opportunities in Aero/Astro

April 9, 2002 Page 14 THE TECH

MIT Science, Business Programs Also Ranked Highl

Rankings, from Page 1

quality, the strength, the overall preeminence of our departments," said Dean for Graduate Students Isaac M. Colbert. "I'm delighted to see that we continue to be so strong.'

think the rankings could really differentiate between the top four or five schools with great accuracy.

Still, he said that the consistency in the engineering rankings reflected well on MIT's graduate programs. "It reinforces that perception of our coninence," Colbert said. "It says that we are able to maintain programs, faculty, staff, research resources that are second to none.'

Sciences also earn top rankings

Top honors for the Institute con-

MIT ranked first for mathematics (including a tie for first in the applied math ranking). MIT tied for first with the California Institute of Technology in physics, taking first in the atomic/molecular/optical/plasma physics specialty rankings.

Although MIT ranked first in computer engineering, U.S. News put MIT into a four-way tie for first with Carnegie Mellon University, Stanford, and Berkeley for computer sci-

Professor Arthur C. Smith, graduate officer for electrical engineering and computer science, said his department was not terribly concerned with the rankings, as long as MIT stayed at or near the top. "We don't pay much attention, but if they changed drastically we probably would," he said. "If we dropped to 20th, we would be concerned.

"We don't ... agree with the criteria they use to do the rankings,"

However, Smith said that Course VI "can't be terribly dissatisfied" because the department's various specialties are continually at or near the top of the U.S. News charts. "The small differences in those numbers don't matter much."

Smith said the schools tied with MIT for computer science were worthy peers. "I think they do good research and for the most part good teaching, and they certainly attract good students," Smith said.

Colbert said he was not surprised by the other three top-ranked schools. "We educate a lot of the competitors," he said, noting that many faculty at peer schools are MIT alumni.

Though rival schools ranked higher, MIT still fared well in other science rankings. MIT was ranked second for biology behind Harvard, and tied for second with CalTech for chemistry.

Sloan School ranked fourth

The Sloan School of Management ranked fourth among business schools, behind Stanford, Harvard, and Wharton. However, Sloan took top marks for some of the more technical management disciplines, including management information systems, productions/operations management, and quantitative analysis.

Other categories published in the 2003 edition were not newly ranked this year.

Rankings valuable for recruiting

While some at MIT have long questioned the validity of the magazine's points-based ranking system for both graduate and undergraduate programs, the rankings are thought to have value in attracting new students.

"I think it's probably a very good tool for attracting new students," said Graduate Student Council President Dilan A. Seneviratne. "Once students are in here, the rankings don't matter that much.'

He said that nearly every factor in the rankings could be traced back to the quality of MIT's students and faculty, which helps to attract more top students in the future. "One of the main things that faculty are concerned about is attracting top graduate students," Seneviratne said. "For the Institute ... to maintain those rankings, they have to make sure they have a good in-flow of top-quality students.'

Colbert agreed, saying, "I think this will really help with our recruitment of the best and brightest students around the world."

Rankings based on experts, data

The magazine said the rankings are based on "expert opinion about program quality and statistical indicators that describe the strength of a school's faculty, its research, and the performance of students both as they enter and leave." U.S. News said it interviewed thousands of faculty in determining the rankings, in addition to performing its own data analysis.

For the engineering rankings, for example, the magazine rated graduate programs based on a formula which includes faculty and recruiter ratings of program quality on a one to five scale, mean GRE scores, acceptance rate, faculty-to-student ratios, percentage of faculty in the National Academy of Engineering, number of PhDs awarded, and research expendi-

Up to 100 Seniors May Move

Crowding, from Page 1

housemaster of Ashdown.

"I don't think that was the problem at all," Riesenburger said. "Everyone was really excited about moving. The trouble was that there were no singles in Ashdown, and ... a lot of upperclassmen were looking forward to having singles."

"We looked into moving into Simmons as a group, but that would have been really complicated," she added. "Getting space together, transferring new members in, and things like that would have made it difficult.'

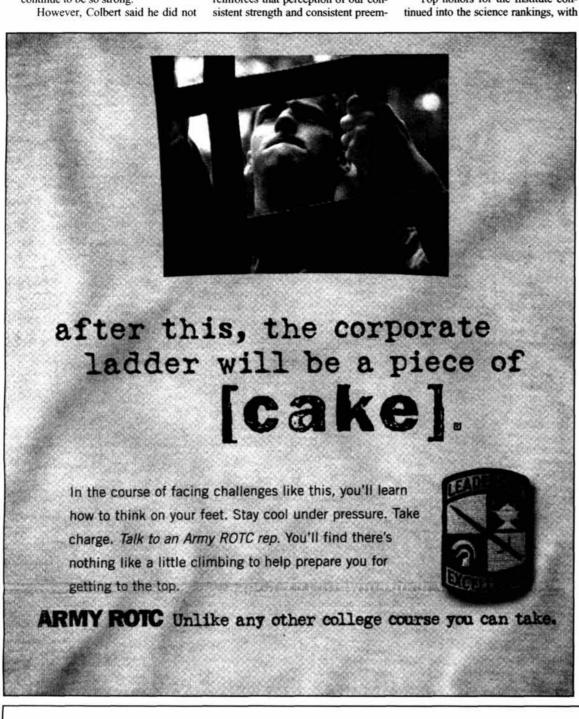
"I see this as an interim step to having our own house," Latham of KAT said. "Just before Sigma Kappa got their house, they were housed in a grad dorm. This proves that we are willing to live together and we're ready to move to a house together."

Riesenburger said when the MIT chapter of AEPhi becomes older, it could garner enough support from its national chapter for its own house.

MEng students guaranteed space

As many as 100 rising seniors are expected to move as well, Clay said. They will be divided between Ashdown, Tang Hall, Sidney-Pacific, and the Warehouse.

They will be guaranteed housing for their first year of graduate school, avoiding both the difficult graduate housing lottery and expensive local



URBAN STUDIES AND PLANNING @ MIT FRESHMAN OPEN HOUSE

how do cities recover after trauma? how are planners so crucial? what issues do developing nations and communities f consensus building and planning coincide? what do city planners do? how can we bridge the economic divide? what is

















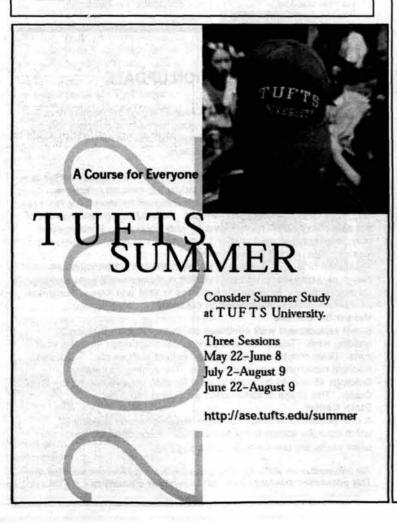
What's it all about? Why major in Urban Planning? Meet professors and students over refreshments.

April 17th 3-5pm, Stella Room [7-337] http://dusp.mit.edu

U.S. News & World Report Best Graduate Schools, 2003 Edition

Business	4th
Entrepreneurship	6th
Finance	5th
Management Information Systems	1st
Productions/Operations Management	1st
Quantitative Analysis	1st
Engineering	1st
Aerospace/Aeronautical/Astronautica	l 1st
Bioengineering/Biomedical	2nd
Chemical	1st
Civil	3rd
Computer	lst
Electrical/Electronic/Communications	s 1st
Environmental/Environmental Health	
Materials	1st
Mechanical	1st
Nuclear	1st
Applied Mathematics	1st (tie)
Biological Sciences	2nd (tie)
Biochemistry	7th
Cell Biology	3rd (tie)
Molecular Biology	3rd
Chemistry	2nd (tie)
Inorganic	1st
Organic	4th
Physical	3rd
Computer Science	1st (tie)
Artificial Intelligence	1st
Systems	2nd (tie)
Theory	1st
Economics	1st
Microeconomics	
Macroeconomics	1st 3rd
	10.000
Industrial Organization	1st
International Economics	3rd
Public Finance	2nd
Geology	2nd
Geophysics valuas? antidare	drum Indeed ranks fourth
Geochemistry	4th
Hydrogeology	8th (tie)
Sedimentology/Stratigraphy	6th (tie)
Tectonics/Structure	1st
Mathematics	1st
Physics	1st (tie)
Atomic/Molecular/Optical/Plasma	1st
Condensed Matter/Low Temperature Elementary Particle/Nuclear	2nd 2nd
Political Science	11th (tie)
	11th (tie)
Psychology	

Not all rankings are new for 2003. Some specialty rankings are from previous editions. The headings and specialty rankings appear as they do in the magazine.



Get A Life. Win A Porsche. @ REAL WORLD 101.



A Free Career Jump Start.

One hundred and one minutes packed with savvy techniques that will fire up your post graduate career launch.

Fun. Informative. Entertaining.

And you really could win a Porsche or other great Pencil Olympics prizes and grab good grub to boot!

Downtown Boston s

Thomson Solutions Center

745 Boylston Street, Suite 300 Boston

April 23, 24, 25, 27, 2002



Mixer + Pencil Olympics + Info-Swap

For reservations & details: call 888.427.8200 or visit www.dbmrealworld101.com.



MIT Graduate Student Ring



Jostens will be on campus to assist you with your MIT GRADUATE RING.
Save \$25* OFF 14K & 18K rings.
Mon-Tues April 8-9
11-4pm Kendall COOP
Wed April 10
11-4pm Sloan

Valid during above sales dates only.

attention all seniors last chance! attention all seniors last chance! attention all seniors last chance!

ATTENTION GRADUATING SENIORS

POSITION AVAILABLE IN THE OFFICE OF ADMISSIONS

now accepting applications for the position of Admissions Counselor.

This is a one-year full-time position beginning in July 2002. Duties include:

- evaluating applications and participating in admissions committee decisions
- traveling throughout the country for recruitment purposes
- coordinating MIT student involvement in the reception area and Campus Preview Weekend
- · conducting question and answer sessions

Applications are available in the Admissions Office, 3-108, with Kirsten Derrickson and should be returned no later than Friday, April 12, 2002

Applications can also be found online at: http://web.mit.edu/bubblie/www/acsearch.html

Note: This is for 2002 (January or June) MIT graduates.

attention all seniors last chance! attention all seniors last chance!

attention all seniors last chance!

SENIORS!

It's time to elect your alumni class officers who will represent the Class of 2002 between graduation and your 5th reunion!

Available offices for election:

President

Secretary

Vice President

Treasurer

Also looking for volunteers for the executive committee.

Deadline for nominations is 12pm on Friday, April 19th!

Send your nomination to Heather Kispert at hkispert@mit.edu or visit

http://web.mit.edu/alum/connect/classes/.

Class elections will be held online May 1-16.

Sponsored by the MIT Alumni Association.

RingComm Charged \$650 for Losing Paw

Beaver, from Page 1

on the ground. The man ran with the foot towards a nearby group of Harvard dormitories. None of the MIT students were able to stop the thief or to get a good look at him.

"I was too busy holding up the beaver," Rhody said. "Basically we had enough people there. We could have stopped it."

Dorai and several other MIT students ran in pursuit of the thief.

"We just basically went into each entry way and kind of popped our heads in and to see if we could see anyone who was laughing hysterically with a brown furry thing under his arm," Dorai said.

The students found no trace of the thief or the stolen paw.

Greater disaster averted

In the meantime, Rhody and Teresa A. Fazio '02 remained behind to guard the remainder of the beaver suit, which Dorai had removed and placed in its garment bag. Rhody and Fazio, wary of the drunken Saint Patrick's Day crowd which was growing rowdier by the minute, decided to leave the immediate area, Rhody said. Two male Harvard students followed them and repeatedly threatened to take the beaver suit from the two women.

"They were pretty standard Harvard wankers," Fazio said. "We thought they were kidding at first."

One of the Harvard students, however, made a lunge for the garment bag containing the costume. Fazio, a Marine ROTC candidate, said he grappled with the would-be thief, seizing the Harvard student's genitals. The stunned assailant broke free and fled into the night with his partner, Fazio said.

Hack proves expensive

CAC staff were troubled to learn of the paw's disappearance, said Phil Walsh, director of the CAC. Their main worry was that the suit would be unavailable for Institute events.

"When you don't have the full suit, it creates a bit of a problem for others who want to use the costume," Walsh said.

The CAC was able to obtain a new set of paws from the costume's maker in about a week, avoiding disruption of the mascot's appearance schedule. The price of the replacement paws was \$650.

CAC staff were also concerned when they discovered how the beaver paw was lost.

"I think the circumstances surrounding the loss of the shoe is clearly an inappropriate use of the mascot," said Walsh. "In the time we've had the mascot — about three years — this is the first time that it's occurred."

In addition to charging the Class of 2004 Ring Committee \$650 for the new paws, CAC and RingComm members will soon meet to discuss whether the RingComm will be permitted to rent the mascot for the Ring Delivery event on May 5.

Dorai appeals to student charity

Dorai sent an e-mail to several Institute mailing lists recounting the theft and requesting donations to help defray the cost of the stolen paw. The e-mail included several photos of the beaver-suited Dorai with the John Harvard statue.

Dorai is attempting to raise the \$650 sum on his own, rather than using Ring Committee funds that were earmarked for the Ring Delivery event.

"We'd rather give [the Ring Committee funds] to the class instead of just having it go through us," said Douglas J. Quattrochi '04, chair of the 2004 Ring Committee. "We're absolutely gong to pay though, so that's not an issue. I mean we or Amal."

Donations are being collected through Ring Committee members and via Paypal. Last night, Dorai reported receiving \$120 in donations, \$100 of which came from a single, anonymous source.

Students unmoved

In spite of Dorai's fund-raising success thus far, reaction from many students has been dismissive. Few seem willing to contribute money replace the paws.

"For something that stupid, I'm sorry," said Rossana Ivanovia '05.

"I think \$650 is a lot of money, but I think it's his responsibility," said Celia Macias '04.

"That's what they get for prancing around Harvard in a beaver costume," said Orlando Jaquez '05. Jaquez added, however, that "if its desperate enough, I'm willing to give a dollar."

In spite of these reactions, Dorai said he hopes that "maybe a few people would think it's kind of funny and donate a few bucks to the cause."

"Our egos were slightly bruised by the fact that a Harvard student absconded with out paw," Dorai said, "but overall I think a pretty good time was had by all."

MIT FACILITIES CAMPUS CONSTRUCTION UPDATE

NStar Transmission Line project

Cable installation is scheduled to be finished during the week of April 8-12. Activities at individual manholes along the route to complete splicing and pulling in of fiber optic cable will continue until the end of the month. Lane restrictions may cause traffic delays.

Dreyfus Chemistry Building

Installation of finishes and mechanical, electrical, and piping materials is in progress on all floors. Moving of faculty into new lab spaces is ongoing. Some of the sections of the building will be sealed due to decontamination and asbestos removal. Accessibility to certain areas of the east corridors will be restricted as work continues. Periodic noise may occur between the hours of 7 a.m. and 5 p.m.

Zesiger Sports & Fitness Center

Installation of tile wall finishes in showers and bathrooms continues. Rough plumbing is in progress. Installation of limestone/granite cladding on the first floor is in progress. Accesses to W34 and Kresge Auditorium may be congested as construction continues.

Vassar St. Utilities

Sewer replacement work continues on Vassar St. from Building 42 heading west. Traffic flow and parking will be affected near the work zone. Drain construction is underway in front of Stata site. Truck and machine movement may cause delays. The parking lot between Buildings 45 and 48 is closed to allow for utility construction for the Stata Center. This phase of construction will extend into June.

A new pedestrian walkway has been installed outside Building 57, which changes access to the Alumni Pool. Police detail will be on site when trucks are present at Stata loading area.

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

Prefrosh, Residents of Random **Hear Shots From Outside Bar**

Shooting, from Page 1

cars sped off towards Boston in search of the gunman, said Random Hall resident Jillian L. Dempsey '05.

MIT Campus Police arrived at 1:51 a.m., according to the police incident log. CPs assisted in crowd control and blocked off the corner of Landsdowne Street and Massachusetts Avenue to protect the integrity of the crime scene, said MIT Chief of Campus Police John DiFava. At this point, witnesses estimate at least a dozen patrol cars from MIT, Cambridge, and State Police were at the scene.

Dempsey said that at around 2:00, an ambulance from the Cambridge Fire Department arrived. Shortly thereafter, 20 to 30 customers that had exited Rhythm and Spice began to quarrel on the sidewalk. "This fight appeared to be between friends [of Gray] and people from the other group," Pasquarello said. "It was a push and shove incident and bottles were thrown, but the police broke it up very quickly."

Almost immediately after the fight was dispersed, a professional ambulance arrived on the scene, Dempsey said. Witnesses said the ambulance stayed at the scene over 10 minutes after placing Gray on a stretcher. "It was pretty obvious that the man was already dead. There was no need to go to the hospital," one witness said.

Gray was taken to Massachusetts General Hospital and soon pronounced dead, according to the District Attorney's office. In the morning, the scene looked the same as any other day, Dempsey said. "It was dead and silent. The only thing I noticed was that you couldn't park on the street," she said.

Pasquarello says that the detectives have gathered "information that led up to the shooting" and had promising ballistics information from the stray bullet across the street. Though most clues tend to be found in the first six hours of investigation. Pasquarello said, he was not worried about the case running dry. "We have to check and recheck witnesses and stories to figure out what happened," he said.

MIT, area still seen as safe

The shooting came as a shock to many area residents and employees of local businesses. While a shooting occurred in November 2000 across the street at the Cambridge Port Saloon, many still find the area as one of the safest around.

"It is usually a safe area," said All Asia employee Patty Chen. "It is much better in comparison to others nearby that sell drugs on the corner.'

"I've been in Cambridge for 20 years, and it's a very safe area," Jones

Earn up to \$900 / Month You can help people realize their dreams of starting a family by participating in our Anonymous Sperm Donor Program. To qualify, you must be between 19-39 years old, and enrolled in or graduated from a 4-year college. Donors will be compensated \$75 for each acceptable donation. Contact California Cryobank's Cambridge facility at 617-497-8646 for more information,

> or visit us at: www.cryobank.com/donors No walk-ins please.

Solution to Crossword

from page 7

said. "It's an urban area, so anything can happen. But it is definitely safe."

"Massachusetts Avenue is heavily trafficked throughout the day," said Nina J. Davis-Millis, Random Hall housemaster. "Because of its visibility, I feel safer here than in a more isolated place. I felt more nervous walking down Memorial Drive [when I lived in Westgate]."

Prefrosh shaken by shooting

A number of the prospective freshmen who learned of the incident were upset, and at least two prefrosh did not stay at Random Hall afterward. Another asked that nobody discuss the incident with her parents, fearing they would not allow her to live in Random Hall.

"[Our prefrosh] was very nervous about the incident when she returned to the house," Matheny said. "Her mother had her move to another dorm. Though I'm not sure whether it changed her thoughts about coming to MIT, she definitely had second thoughts about living in Random Hall.

Very few, however, felt the incident deterred them from selecting MIT as their college. "Near Arizona State, my other choice, there has been stuff like that in the past," said prospective freshman Sean Naber. While I've been on campus, I've always seen a police presence." Of the freshmen interviewed, many ranked the surrounding environment and security as important factors in their selection process. "You can't ignore any factor, but then you can't treat them as absolutes, either," said Jeremy B. Jacox. "That happens in any big city, and in comparison [Cambridge] seems pretty calm."

Students among victims in past

The issue raises concern over the threat of violent crime on or near campus. In 1992, Yngve K. Raustein '94 was murdered by two local youths and in 1995, a Northeastern University student was shot (though not killed) outside a party in Walker Memorial. There have been at least five other violent incidents that occurred around on the MIT campus in the past 10 years.

'It's an open campus, and you may have spillage. It's always an issue," DiFava said. "People must always be conscious because it's an

urban area like Boston University and Northeastern."

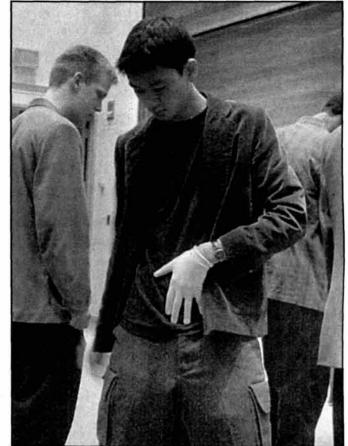
DiFava said he felt the campus was "an extremely safe place," and that he is proud to have pushed for more police presence on campus and two additional traffic units that patrol the garages and lots of the MIT campus. "I believe it will make people feel safer on campus," he said.

"Chief DiFava has done a great job," said Dean for Student Life Larry G. Benedict. "It has been the great effort of our Campus's Police and the diligence of the student body that makes this environment a safe

Residents in some areas of campus have always taken certain precautions. "We encourage students to walk with a friend and use Safe Ride whenever possible," Davis-Millis

"It is ultimately up to students to maintain vigilance when wandering the streets of Boston and Cambridge late at night," Benedict said.

Most students tend to only have slight anxiety about their safety on campus. "I try not to walk back too late at night, but at other times of the day I feel just fine," Dempsey said. "I would walk home just as fast if I lived elsewhere on campus."



David Ngo '02 and The Toons perform the Michael Jackson classic "Billie Jean" in Saturday's Campus Preview Weekend a cappella concert. The Toons were joined by the Logarhythms, Muses, Techiya, Resonance, Cross Products, and Chorallaries.



Kevin Bong '05 and Cory R. Lorenz '03 grill up an assortment of meat during the East Campus versus Senior House "Iron Chef" competition last Saturday.

"We must bear witness"

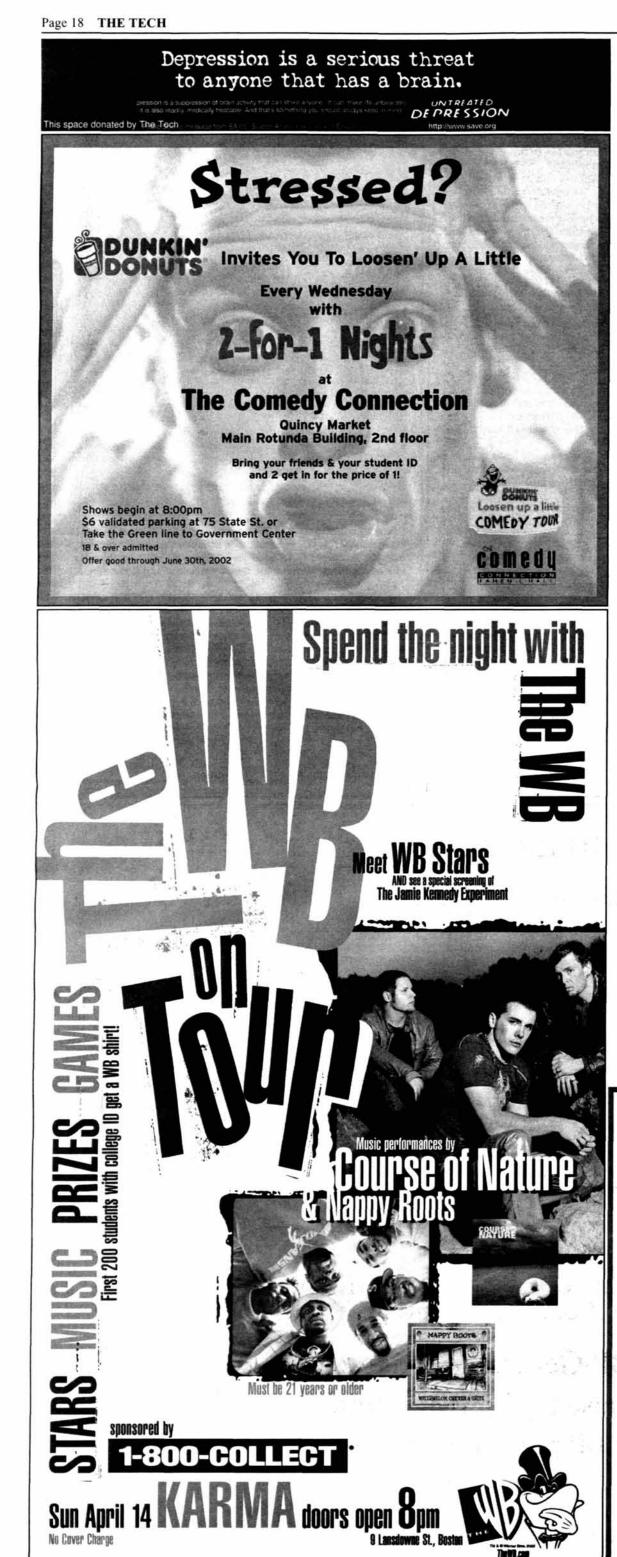


YOM HASHOAH HOLOCAUST REMEMBRANCE DAY **APRIL 9, 2002**

Informational Display and Name Reading **Lobby** 10 10 AM - 4 PM

> Memorial Service 5 PM -- 5:45 PM Chapel

> > Sponsored by MIT Hillel



Sharp Shares Plan For Research Center

At an informal information session yesterday afternoon, Institute Professor and Nobel Laureate Phillip A. Sharp unveiled his vision as director of the McGovern Institute for Brain Research.

Founded in February 2000 with a \$350 million donation by Lore Harp McGovern and Patrick J. McGovern '60, the McGovern Institute will serve to concentrate MIT's neuroscience resources.

While the Institute has yet to break ground for its new facility, six of 16 research appointments have been made in what Sharp anticipates will be "a magnificent expansion of neuroscience research here at MIT."

The McGovern Institute's charter says it will be the new home to 16 leading research scientists and fulltime MIT faculty members working in three interrelated areas: systems and computational neuroscience, imaging and cognitive neuroscience, and genetic and cellular neuro-

Professors of Brain and Cognitive Science Thomaso Poggio, Ann M. Graybiel PhD '71, Emilio Bizzi and Nancy Kanwisher '80 and Assistant Professor James DiCarlo of MIT's Department of Brain and Cognitive Sciences have all been appointed as McGovern investigators. MIT's Department of Biology is represented at the McGovern Institute by Professors Martha Constantine-Paton, H. Robert Horvitz '68, and Sharp, who in 1993 received the Nobel Prize for his work in the field of genetics. The recruitment process for the remaining 10 spots continues.

The diversity of backgrounds of the principal investigators reflects what Constantine-Paton described as an "exciting collaborative approach" to a comprehensive study of the

While part of MIT, the McGovern Institute will have its own nine-member board of directors.

Main/Albany chosen for facility

The McGovern Institute will share 85,000 square feet of space with the Center for Learning and Memory, the Department of Brain and Cognitive Sciences and the Martinos Imaging Center in a new neuroscience complex to be built on MIT's campus at the corner of Albany and Main Streets. The complex has been designed to maximize collaboration and is set to open at the end of 2004 at the earliest. Though the facility will serve mainly house the workspace for faculty researchers, Sharp said "it will definitely be undergradfriendly."

Center to help build field

"Neuroscience at MIT has been a strong department with a long tradition. But as this frontier field continues to expand we are finding that we are sub-critical in terms of the number of faculty researchers," Sharp said. Sharp hopes that the McGovern Institute will attract leading scientists who may benefit from the additional funding.

Constantine-Paton, who studies the central nervous system at the cellular level, came to MIT from Yale University, where she said little effort was made to bring the faculty together across a large specialized depart-

"These days, no one person can be the expert, and standard funding agencies will not fund you until you have proven what your research is meant to prove," she said. Constantine-Paton thinks that the McGovern Institute will address both of these issues and encourage the research of young ideas.



Wednesday, April 17 Friday, April 19

Stratton Student Center

Private Dining Room #1 (3rd Floor)

Sign up for an interview on the bulletin board outside 10-140 by Friday, April 12

10 - 4 PM

Institute Professor and Nobel Laureate Phillip A. Sharp speaks about the McGovern Institute for Brain Research. The new research laboratory for neuroscience, to be located at the corner of Albany and Main Streets, is scheduled to open by the end of 2004.

Student Job Opportunities! Tech Reunions and Commencement 2002

Make Money! **Extend Housing! Network with Alumni!** Have Fun!

May 17 - June 9

Many Positions Available:

Tech Reunions Registration Managers and Registration Coordinators Camp Tech Counselors

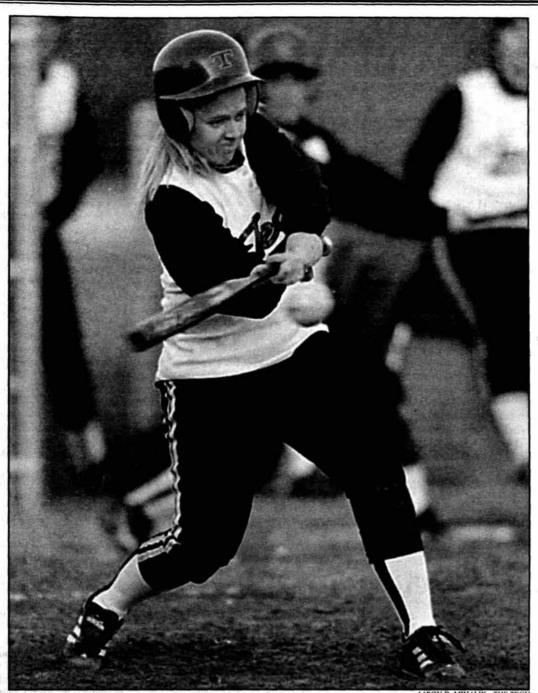
Commencement and Hooding Ambassadors

Applications and job descriptions available online, at The Source and on the bulletin board outside 10 -140. Return completed form to Anne Sechrest in 10-140 by Friday, April 12.

Anne Sechrest at sechrest@mit.edu 617-253-8266

Katie Clapp at kclapp@mit.edu 617-253-3913

http://web.mit.edu/alum/connect/reunions/studentjobs.html



Megan C. Daugherty '03 takes a cut during the softball game against Smith College on Friday. MIT dropped both games of the double header to Smith.

Long Jumper Gupta Qualifies for ECACs

Track, from Page 20

On the infield, the javelin throwers performed well. Finishing in second was freshman Catherine H. Koveal '05. Following, in a fourth through sixth place sweep, were Kelly M. Johnson '05, Gilbert, and Asa-Awuku. In the shot put circle, Imoukhuede returned for another spectacular throw. Imoukhuede finished in second with a throw of 41'5.25", narrowly missing her own varsity letter, but good enough to qualify provisionally for the NCAA championships. Imoukhuede was also MIT's leading point scorer with a total contribution of 19 points. Asa-Awuku and Vigil also scored in the shot put, taking fifth and sixth places respectively.

In the pole vault, Tweedie finished in second place with a vault of 10'6", a height that qualifies her provisionally for the NCAA championships. Dominating the horizontal jumps were Gupta and Nyenke. Winning the long jump, Gupta qualified for the ECAC championship with her 16'4" leap. Returning in the triple jump, Gupta finished in second, with another ECAC qualifying jump of 35'3.25". Gupta was MIT's second leading scorer of the meet, as she contributed 18.75 points. Nyenke finished in sixth in the long jump and fifth in the triple jump, narrowly missing the New England Division III qualifying mark by 1.25".

Gupta returned in the high jump as MIT's sole scorer as she scissor kicked her way to a fifth place finish.

To finish the meet, MIT ran in the 4x400m and 4x800m relays. The 4x400m relay, composed of Kuo, Miller, Silberstein, and Nyenke, finished in second. The 4x800m also finished in second, with Buckley, Espel, Perlmutter, and Lehman representing MIT.



DAN BERSAK

Audrey Wang '03 and Yin Chen '02 represent the Women's Varsity pistol team at last Saturday's Alumni match. Wang, Chen, and Judit Pungor '04 recently took first place in the Women's National Pistol Competition.

Congratulations to the new members of the Massachusetts Beta Chapter of Tau Beta Pi!

Antic, Filip Atkinson, Kevin Bailey, David Baker, Lowell Bartelma, Jeffrey Brasca, Claudio Cen, Jia Fu Chan, Winnie Chang, Robert Chau, Alexandra Chen, Kathryn Cho, Daniel Chu, Amy Chu, Jonathan Cochran, Jennie Dai, Jessica

Divi, Vijay Dwyer, Casey Garcia, Veronica Gomez-Uribe, Carlos Alberto Ho, Joyce Hodges, Clifford Hou, Stephen Huang, Jennifer Ke, Xian Kelly, Jason Kim, Gina Koay, Siu Choon Krishnan, Monica Kumar, Rishi La, Chia-Hao Lamb, Andrew

Laughter, Mark

Lee, Philip Li, Jennifer Liang, Linda Lin, Sandi Lu, Timothy Lyon, Christopher Mazor, Yuval Mazzeo, Aaron McCoy, Brad Narayanswamy, Arjun Neave, Matthew Norris, Stephanie Notowidigdo, Matthew Paluska, Justin Park, Sunjung Pei, Cheng Wei

Praster, Stephanie Rock, Kirstin Sam, Regina Scepanovic, Obrad Seeumpornroj, Pee Seth, Manu Shah, Avni Sheffi, Jonathan Shoeb, Ali Singh, Natasha Smoler, Jeremy Solis, Adrian Sudan, Ajay Sultan, Ziad Syed, Zeeshan Tanino, Yukie Tarud, Sofy

Thevendran, Senkodan Thompson, Mary Tobias, Steven Tribin, Pablo Vajapeyam, Murali Walsh, Eamon Wang, Annie Wang, Kevin Wee, Hoe Teck Weinstein, Samantha Wilkinson, David Wiseman, Colette Wissner-Gross, Alexander Wu, Meng-Jiao Yeh, Roger Zeskind, Benjamin

New and old Tau Beta Pi members, come to the general meeting to get involved in social activities, community service and other new events!

TBP General Meeting Wednesday, April 10, 2002 7:00 pm - 8:00 pm Rm 4-145

*** Free food & cool door prizes! ***

SPORTS

Women Fall Short Against RPI To Take 2nd in Engineers' Cup

Track Team Narrowly Misses 4th Straight Cup Victory, 163-178

By Adeline Kuo

This past Saturday, the MIT Women's Track and Field team

competed in one of a series of four home meets against Rensselaer Polytechnic Institute and Worcester Polytechnic Institute in the annual Engineers'

Cup. Hoping to win for the fourth consecutive year, MIT (163) had to settle for a close second to RPI (178), while defeating WPI (74).

Leading the meet off on the track were the 5K and 10K, run simultaneously. Distance star Martha W. Buckley '04 easily won the 5K in 18:21.64. Marissa L. Yates '03 and Jenna N. Matheny '05 rounded out the scoring in the 5K with third and fourth places respectively. In the 10K, the MIT women took fourth through sixth places, with Patricia M. McAndrew '03, Jessica E. Karnis '05, and Kathryn S. Wasserman '04 representing MIT.

Following the distance runs was the 4x100m relay. Leading off for MIT was veteran Adeline L. Kuo '02, who passed off to Nalini Gupta '05 in the lead. Gupta maintained the lead, as she passed the baton smoothly off to Melanie A. Miller '04, who increased the lead. Anchoring for MIT was Meredith N. Silberstein '05, who brought the baton across the finish line for the win in 52.74 seconds.

MIT stays close through sprints

The other sprint events helped MIT stay neck and neck with RPI. In the 100m dash, Kuo finish in third in a New England Division III qualifying time of 13.49. Gupta followed in fourth and Nyenke placed sixth out of the unseeded heat. The 200m dash was a 2-5 sweep for MIT, with many personal records attained. Finishing in second was Kuo in a time of 28.15. Following in third was Catherine A. Tweedie '04 with a personal record time of 29.72. Rookie Danielle Gilbert '05 ran this race for the first time ever and finished in fourth. Colleen Horin '05 rounded out the scoring, as she finished in fifth and set a PR. The 400m dash gave MIT nine more points, as Theresa M. Hung '02 and Lili X. Peng '05 crossed the finish line in second and third places, respectively.

MIT scored another eighteen points in both hurdle races. In the 100m high hurdles, Nyenke, Miller, and Horin finished in third, MIT MIT STANLEY HU—THE TECH

Adeline Kuo '02, right, hands the baton to Nalina Gupta '05 in the winning 4x100m relay (52.74 seconds) at the Engineer's Cup. RPI won the meet with 178 points, ahead of MIT's 163 and WPI's 74.

fourth, and fifth places respectively. In the 400m intermediate hurdles, Silberstein led the MIT squad, as she finished in third. Miller followed in fourth, while Julie M. Pinkston '04 ran this race for the first time ever and finished in fifth.

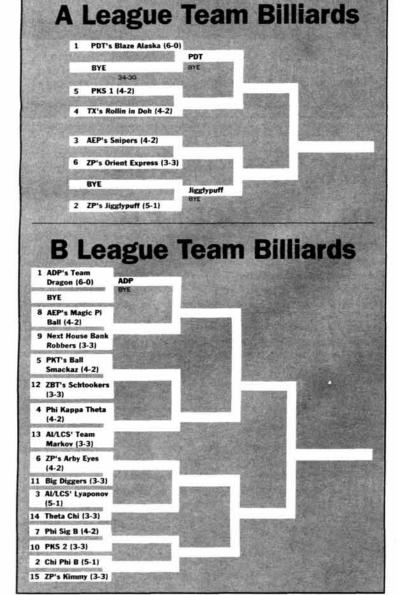
Middle distances put MIT on top

In the 800m run, MIT was only able to pick up one point from a sixth place finish by rookie Alisa P. Lehman '05. Similarly, in the 1500m run, the only scorer for MIT was Mealani K. Nakamura G who finished in fifth in a personal record time of 5:20.19. The 3000m steeplechase provided MIT with five-point edge over RPI. Rookie distance star Julia C. Espel '05 finished in second, set the rookie record, broke the varsity record, qualified for the New England Division III Championships, and just missed the NCAA provisional mark by 10 seconds as she crossed the finish line in 12:10.39. Following in third place was Sarah K. Perlmutter '02, the former record holder in this event, as she too qualified for the New England Division III Championships in a time of 12:45.66. Rounding out the scoring for MIT was Stephanie A. Claussen '05, who finished in fourth.

Imoukhuede wins throws

Down at the other end of Briggs field, the discus and hammer throwers scored crucial points for MIT. Indoor and outdoor All-American Princess Imoukhuede '02 won both events. Imoukhuede qualified for the ECAC championships in the discus and the All-New England championships in the hammer throw. Akua A. Asa-Awuku '03 finished in third in the hammer and fourth in the discus. Adding more points to MIT's total was Miquela C. Vigil '03, taking sixth places in both events.

Track, Page 19



Inhan Kang '05 delivers a fastball in the first game of a double

header against Wheaton University. MIT lost both games,

13-3 and 5-0.

UPCOMING HOME EVENTS



Tuesday, April 9

Women's Lacrosse vs. Endicott College, 6:00 p.m.

Wednesday, April 10

Men's Tennis vs. Wheaton College, 3:30 p.m. Men's Lacrosse vs. UMass Dartmouth, 4:00 p.m.





Thursday, April 11 Baseball vs. WPI, 3:30 p.m.



Kristin Brodie '03 busts through two opponents during Saturday's loss against Wheaton as Elizabeth Ward '05 and Sarah Daigh '03 look on.