

Crowding Numbers Reduced

MIT Lowers Goals For Senior Segue

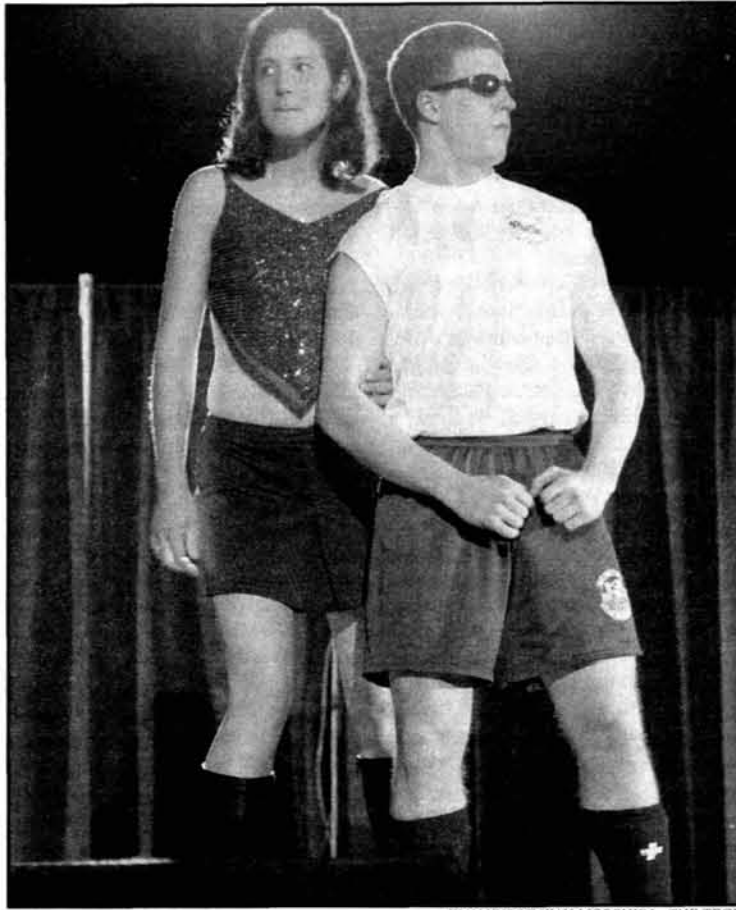
By Jessica Zaman
STAFF REPORTER

At a meeting Wednesday administrators and Undergraduate Association leaders came to an agreement that the Senior Segue would remain open until 100 students had applied, down from the original goal of 140.

Administrators also announced that approximately 240 upperclassmen would be housed in Simmons Hall next year. Dormitory Council President Matthew S. Cain '02 said that this number represented an even mix from the classes of 2005 to 2003, but the dormitory would have an additional 100 freshmen.

The move will also cause an imbalance of freshmen in dormitories where moves to Simmons were

Housing, Page 20



Karissa D. Patterson '03 and Michael T. Donohue '04 perform in WILG's "Coyotes" during the Alpha Chi Omega Lip Sync contest last night in Johnson Athletic Center.

Spring Concert, I-Fair Highlights of Weekend

By Eun J. Lee
NEWS EDITOR

Spring Weekend kicked off to a rocking start last night as hundreds flocked into Johnson Athletic Center to witness the annual spectacle of the Alpha Chi Omega Lip Sync.

The most publicized event of the upcoming weekend festival is the Sugar Ray concert, tonight in Johnson, also featuring the Spin Doctors.

"This is one of the most prominent bands that MIT's Spring Concert has ever seen since REM played in 1985," said Spring Weekend Concert Co-chair Devdoot Majumdar '04.

Other events scheduled for this weekend include the International Fair, the Panhellenic Carnival, the rebirth of Class Wars, and the "Get Sprung" and Lingerie parties at MacGregor House and Next House, respectively. There will also be a "Rock for Peace" concert by Junoon on Sunday.

Concert open to local colleges

The organizers expect this year's

concert to sell out. The concert is open to the entire MIT community, as well as to students from other Boston-area colleges.

Majumdar estimated several hundred non-MIT students will attend Friday's concert.

"We're fully expecting to sell out the show," said Spring Weekend Concert Co-chair Daniel B. Jonas '02. "You have two multi-platinum artists here, both of which put on a good show."

"It's certainly a huge event and lots of people participate," said Linda D. Noel, program coordinator for student activities.

Profits go to next year's concert

"The budget for the concert and ticket prices were planned for us to break even," Jonas said. "Any revenue we make in excess of our budget will go towards seed money for next year's concert."

The doors of Johnson will open at 7 p.m., and the Spin Doctors will begin a 60-minute set starting at 8 p.m. After an intermission to change

Spring Weekend, Page 17

Wolfensohn Agrees to Private Forum

By Brian Loux
NEWS EDITOR

James D. Wolfensohn, president of the World Bank, has accepted a proposal from the office of President Charles M. Vest to meet privately with some 20 members of the MIT community following his address at the upcoming commencement ceremony.

"Wolfensohn agreed to an amazing thing," said Kirk D. Kolenbrander, special assistant to the president and chancellor. "These 20 people will be very vocal about their criticisms, but he is quite committed to speaking to students and engaging in genuine dialogue about the actions of his organization."

The request came in response to

a petition signed by 368 students and faculty members at MIT, as well as the requests of five representatives of campus organizations who had earlier met with Kolenbrander. The students, Jesse M. Barnes '02, Arjun Mendiratta G, Payal P. Parekh G, Abigail S. Popp '02, and Stephanie W. Wang '04, requested that Wolfensohn appear before an open forum and take questions from members of the MIT community.

Open forum proposal rejected

Kolenbrander and other administrators said they were intrigued by the proposal, but modified it to close the forum to all but a panel of 20 student and faculty leaders versed in matters concerning the World Bank

before presenting it to Wolfensohn, who accepted the proposal earlier this month.

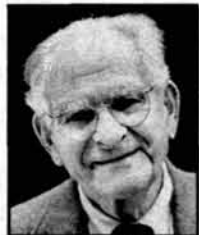
Administrators also hope to create a panel discussion on the work of the World Bank sometime before commencement. "It is important that our academic community has the opportunity to disagree," Kolenbrander said. "We not only value it but expect it."

Before MIT had received Wolfensohn's acceptance, Vest wrote in a letter to the five representatives, "Independent of Mr. Wolfensohn's ability for direct conversation, I hope that our community uses the two months preceding

Commencement, Page 19

Victor F. Weisskopf

Institute Professor Emeritus Victor F. Weisskopf died Sunday night at his home in Newton, Massachusetts. He was 93.



Victor F. Weisskopf

Weisskopf, known as Viki to friends, was regarded as a "giant of twentieth century physics," according to Professor Robert L. Jaffe, director of the Center for Theoretical Physics. Jaffe also described him as "one of the nicest people I've ever encountered." Weisskopf was born in Vienna in 1908 to Emil and Martha Weisskopf and earned his PhD at Gottingen University in 1931 working with Niels Bohr, one of the founders of quantum mechanics. In 1937 he came to the University of Rochester and later MIT. In 1943 he joined the Manhattan Project, the U.S. initiative to develop an atomic bomb. He would later say that this was "a shadow over my

life," and he became active in arms control issues. In 1944 he and others founded the Federation of Atomic Scientists to promote peaceful use of atomic energy and warn of the dangers of nuclear war. He returned to MIT in 1945 to head the theoretical division of Laboratory of Nuclear Science, which later became the Center for Theoretical Physics.

From 1961 to 1965, Weisskopf was head of the European Center for Nuclear Research (CERN). He returned again to MIT in 1966 and was named an Institute Professor. Professor John W. Negele said he had "a big impact on science sociology" and on "getting people to work together" during his time at CERN.

Weisskopf formally retired in 1974, but continued working well after that. In the mid-1970s, Jaffe was working on the problem of quark confinement, or why bare quarks are not seen in nature. Jaffe and his collaborators "found Viki to be an extremely

Weisskopf, Page 20



Yanfeng Lin G and Igor Pavlovsky G perform the tango during the sixth annual MIT Open Ballroom Dance Competition. The couple won the overall Open Level competition.



President Vest is leading the annual Big Screw contest.

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Comics

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NEWS

The AI Lab and LCS are discussing plans for possible reconfigurations when they move to the Stata Center.

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WORLD & NATION

House Overwhelmingly Approves Overhaul of Immigration Service

LOS ANGELES TIMES

WASHINGTON

Capping years of frustration, the House voted Thursday to overhaul the beleaguered Immigration and Naturalization Service, splitting up its law enforcement and service roles into separate bureaus within the Justice Department.

The bill passed 405-9, reflecting overwhelming support to straighten out an agency that has become legendary for bureaucratic incompetence, most recently when it notified a Florida flight school that two of the Sept. 11 terrorists had been approved for U.S. residency — six months after they bombed the World Trade Center.

"It is beyond time to restructure one of the worst-run agencies in the federal government," said House Judiciary Committee Chairman James Sensenbrenner, R-Wis., the bill's sponsor. INS, he said, stood for "Ignoring National Security" or "Incompetent and Negligent Service."

The Senate could begin to consider its own version of INS overhaul as early as next week. While lawmakers still differ over details, the broad goal of reshaping the nation's immigration service sparks little controversy and may be one of the least disputed goals of Congress this year.

Church Initiative on Abuse Gets Mixed Reviews

THE WASHINGTON POST

The leaders of the U.S. Catholic Church who headed home from Rome Thursday after two days of meetings with Pope John Paul II can expect a mixed reception to the communiqué they issued on the problem of sexual abuse by priests, according to interviews with a range of church experts.

American Catholics should be reassured that measures will be taken against sexual abuse by priests, some said, but several noted that the meetings did nothing to satisfy widespread demands that the American hierarchy take responsibility for the sexual abuse scandal. Most agreed the prelates will need to move decisively to adopt a more clear-cut policy at a meeting of the U.S. Conference of Catholic Bishops in Dallas in June.

"I think people will respond positively to what they did (in Rome), but they will want more," said the Rev. Thomas Reese, editor of the influential Jesuit magazine "America."

SEC Probing Charges Of Analyst Misconduct

LOS ANGELES TIMES

The Securities and Exchange Commission jumped into the swelling stock-analyst controversy on Thursday, saying it has launched a formal investigation into whether Wall Street researchers intentionally misled investors during the 1990s bull market.

Some critics said the SEC looks like it's coming late to the game, and was pushed to take a bigger role in the wake of the startling allegations about analysts' conduct made public by New York Attorney General Eliot Spitzer this month.

The SEC said it has looked into analyst practices on an informal basis over the last year, but conceded that it is pursuing an official probe based on recent revelations about analyst behavior.

A formal inquiry lets SEC lawyers issue subpoenas to those under investigation vs. simply requesting information from them.

The SEC announcement underscores the degree to which analyst conduct has become a hot-button issue on Wall Street and in Washington.

Palestinians in Church Siege Ask for Meeting With Arafat

By T. Christian Miller

LOS ANGELES TIMES

BETHLEHEM, WEST BANK

Negotiations toward a peaceful end to the three-week siege at the Church of the Nativity hit a stumbling block late Thursday as encircled Palestinians demanded a meeting with their equally besieged leader, Yasser Arafat.

It was unclear whether the Israelis would permit such a meeting. However, Prime Minister Ariel Sharon indicated that he might loosen restrictions on the Palestinian leader, who is trapped by Israeli forces in his compound in the West Bank city of Ramallah.

"We hope we will get a positive answer any time," said Salah Tamari, the lead Palestinian negotiator, adding that talks would not continue without such a consultation. "It is crucial to meet Arafat."

Nine teen-agers and the bodies of two men came out of the church Thursday afternoon, a minor breakthrough that had both sides predicting a resolution soon to the crisis at one of Christianity's holiest places.

"There is very cautious optimism that the affair is closer to an end today than it was yesterday," Brig. Gen. Ron Kitrey, the Israeli mili-

tary's chief spokesman, told Army Radio.

More than 140 Palestinians took shelter in the church when the Israeli army advanced into Bethlehem on April 2 as part of its West Bank offensive. Israel believes that about 30 are armed militants.

About 80 priests, nuns and monks were trapped with the Palestinians at the site, a large compound that tradition holds marks the site of Jesus' birth.

The status of those in the church has remained foggy. The Israelis insist that at least some of the church leaders and Palestinians are being held hostage. Those inside, as well as some who have left, have denied the charge.

The two sides have remained in a tense standoff, exchanging fire several times. The most recent incident came Wednesday, when an Israeli soldier was injured and a Palestinian fighter was killed.

Tension in the church has risen in recent days, as food and water supplies dwindled. More than 30 people, including several priests, have fled during the standoff, according to the Israeli military.

The primary sticking point remains the fate of those inside

whom the Israelis consider terrorists. Israel wants to try the men or have them deported. Palestinians have proposed sending them to the Gaza Strip, but those in the church say that some of the gunmen are refusing even that option. In Gaza, the men might be an easy target for informants or Israeli security strikes.

One issue was resolved Thursday with the removal of the two bodies. Palestinians said the men were shot by snipers. The Israelis declined to comment on how they died but have said that troops fire only on armed men in the church.

About 3 p.m., nine teen-age boys were seen leaving the church, their faces covered with white surgical masks. Israeli soldiers fired smoke grenades that obscured the view of the scene, but at one point the youths could be seen carrying two coffins toward an ambulance.

The teen-agers were held for questioning by Israeli security forces, then released late Thursday. The army said they were given food and medical care.

One teen, Abdulhay abu Srur, 17, appeared worn and tired after his release. He said the church smelled horrible and was badly damaged from the firefights.

Manhattan Building Explodes, Dozens Hurt By Glass, Debris

NEWSDAY

NEW YORK

An explosion ripped through a building in Manhattan's Chelsea neighborhood Thursday, showering West 19th Street with debris and shards of glass, injuring nearly three dozen people, and hitting the city with an unsettling post-Sept. 11 fear.

The 11:27 a.m. explosion was touched off in the basement of Kaltech Architectural Signage, Fire Department officials said.

The blast pushed fast-moving air into a stairwell and three elevator shafts, causing windows in the building and an adjacent structure to shatter floor by floor as the air shot through the building's 10 stories. The explosion caused little fire but a portion of the facade collapsed, Fire

Department officials said.

Investigators said it appeared that workers accidentally sparked the blast while transferring a leaking 55-gallon barrel of lacquer thinner into another drum using an electric pump.

"It was pretty loud. We didn't know what was going on," said firefighter Ken Dorsey.

As Dorsey and his fellow firefighters geared up and ran toward the building, they thought they might be responding to another terrorist attack, he said.

"We were on guard for the possibility of a second explosion," Dorsey said. "Of course that did cross our minds. You learn from the past."

Peter Molina, 32, of Queens, a student at Apex Technical school next door, was in class at the time.

"All of a sudden there was an explosion," Molina said. "Everyone in the classroom ran out. When we got outside, we realized it wasn't our building."

Then Molina spotted some people who "were covered with dark smoke, and blood was coming down their faces." Some were being carried by police officers and firefighters, he said. A dark smoke cloud filled the street and "there were bricks and glass everywhere," he said.

Twenty-four people were sent to area hospitals, including 10 who were critically or seriously injured. Another eight were treated at the scene and released, said Frank McCarton, deputy commissioner for public information for the mayor's Office of Emergency Management.

WEATHER

April Showers...

By Nikki Prive

STAFF METEOROLOGIST

In contrast to the past few weeks, we will see more seasonable April weather this weekend, including some April showers. Daytime temperatures will slowly warm through Saturday under a high pressure system. On Sunday, however, we may see some rain due to an approaching low, and temperatures will cool slightly. The rain is quite welcome, as April so far has seen only half of the normal amount of precipitation, and the state remains under a drought watch.

Will May deliver the expected flowers? The long term forecast for the first week of May calls for cooler than normal temperatures and above average precipitation for Southern New England. The Arnold Arboretum reports that some of the early lilacs are already in bloom, and these should be joined by rhododendron, wisteria, phlox, and many others during the month of May.

Extended Forecast

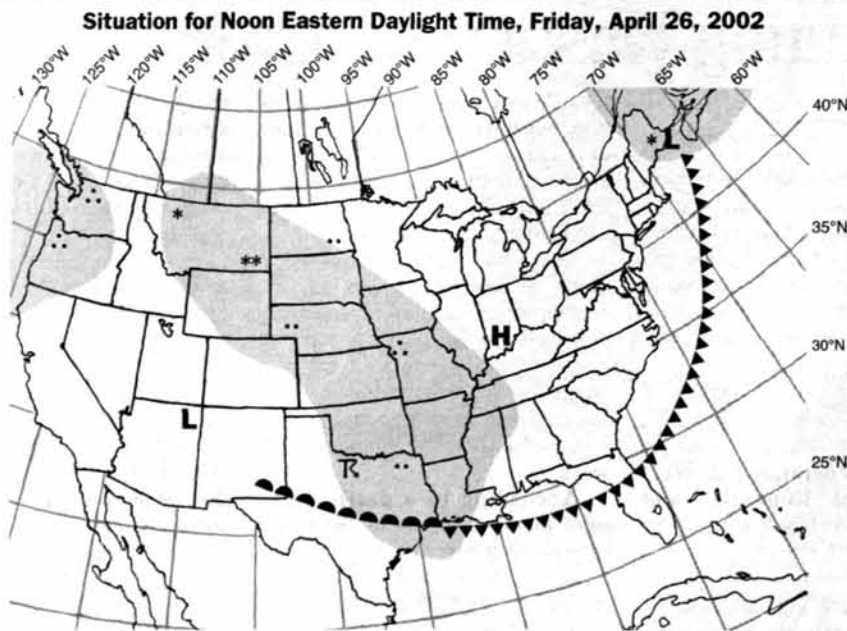
Today: Partly sunny, breezy, highs in the low 50s F (11°C).

Tonight: Chilly and clear, lows near 35°F (2°C).

Saturday: Warmer, sunny, high near 60°F (16°C). Becoming cloudy late with a chance of rain, lows in the lower 40s F (6°C).

Sunday: Rain, highs in the low 50s F (11°C).

Monday: Clearing, highs in the upper 50s F (14°C).



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	— — — Trough	Snow *	Fog
L Low Pressure	— — — Warm Front	Light *	Thunderstorm
S Hurricane	— — — Cold Front	Moderate **	Haze
	— — — Stationary Front	Heavy ***	

Compiled by MIT Meteorology Staff and The Tech

State Dept. Says Bush Officials Hurt Powell's Mideast Efforts

By Alan Sipress

THE WASHINGTON POST

WASHINGTON POST

State Department officials say Secretary of State Colin Powell has been repeatedly undercut by other senior policymakers in his effort to break the Middle East deadlock, warning this has left U.S. diplomacy paralyzed at an especially volatile moment.

State Department officials say that Powell's return from the Middle East a week ago with few concrete results has left them more discouraged than at any time since the Bush administration took office.

They partly fault what they said was the administration's unwillingness to stand behind Powell, especially in pressuring Israeli Prime Minister Ariel Sharon to withdraw his forces from West Bank cities and hold accelerated talks with the Palestinians. Department officials said they continue to face objections as they seek to fashion a diplomatic initiative aimed at creating a Palestinian state.

Powell has displayed little public

frustration. But his employees' complaints, reflecting their own exasperation and deep loyalty to him, reveal the depth of divisions inside the administration, especially between the State Department and Pentagon.

Many in the State Department cite resistance to their diplomatic efforts coming from Defense Secretary Donald Rumsfeld, who has more of a voice in shaping Middle East policy than his predecessors.

The opinions of Rumsfeld and his key lieutenants, notably Deputy Defense Secretary Paul Wolfowitz and Undersecretary of Defense Douglas Feith, figure prominently because the Pentagon has been given a seat at interagency discussions over the Middle East conflict. In recent years, the peace process was largely the purview of the State Department and the White House.

Rumsfeld and his advisers have advocated giving Sharon wide latitude to press his military operations, viewing the Israeli campaign as a legitimate war on terrorism. At the same time, they see little value in try-

ing to engage Palestinian leader Yasser Arafat in renewed negotiations.

Powell and his team have a different view. They sympathize with Israel's need to defend itself, but worry that the unprecedented Israeli offensive is fostering greater Palestinian hatred and destroying the Palestinians' ability to govern themselves. While the Powell camp shares the disdain for Arafat, it believes he remains central to any settlement.

The rift in President Bush's inner circle, some State Department officials said, has left the administration's policy "dead in the water." These officials use words like "despondent" and "disheartened" to describe the mood in Foggy Bottom, saying they cannot remember a time in recent years when they have felt so badly beaten up.

"I can't think of an awful lot of allies," a State Department official said. He said the demoralization within the department was "the most acute" in at least five years.

Senate Approves Bill to Revamp U.S. Energy Policy Away From Oil

By Richard Simon

LOS ANGELES TIMES

WASHINGTON

The Senate on Thursday approved a bill that would revamp the nation's energy policy, paving the way for talks with the House on one of President Bush's top domestic priorities.

The bill is a mix of relatively modest steps geared more toward promoting conservation and the use of alternative power sources. The House bill, taking its cue from Bush, is tilted more toward production.

Left out of the Senate bill were two high-profile items — oil and gas drilling in the Arctic National Wildlife Refuge sought by Bush and tougher vehicle miles-per-gallon standards sought by environmentalists. Those defeats reflect the difficulty of passing sweeping legislation in a narrowly divided Congress, and many were disappointed by the final form of the Senate legislation.

Critics say it falls short of the goal of substantially reducing U.S. dependence on oil, terming it a step in the right direction but not a leap. But after six weeks of often-acrimonious debate, the Senate approved the bill overwhelmingly, 88-11.

The bill is packed with a wide

range of measures. These include a federal loan guarantee to spur construction of a \$20 billion, 2,100-mile pipeline to carry Alaskan natural gas to the lower 48 states and a requirement that utilities generate more electricity from alternative sources, such as solar and wind power. It offers close to \$15 billion in tax incentives, roughly evenly divided between conservation and production measures.

It extends a cap on the nuclear industry's liability in accidents, a provision designed to remove an obstacle to expansion of nuclear power. It sets new energy efficiency standards for traffic lights. And, it allows states to let solo drivers of vehicles powered by alternative fuels to use carpool lanes.

The Senate vote came more than a year after rolling power blackouts in California and energy price hikes throughout the country propelled energy policy to the top of the Washington agenda. More recently, political instability in the Middle East has underscored the issue's importance.

Bush, an ex-oilman, unveiled a national energy plan last May that called for expanding nuclear power, spending \$2 billion for research on "clean coal" technologies and open-

ing more federal lands to oil and gas exploration, including parts of the Arctic refuge. The plan also included some environmentally friendly measures, such as tax incentives for residential solar power and fuel-efficient hybrid vehicles. Most of these measures are in the House bill passed in August.

Bush said Thursday that he looked forward to working with House and Senate negotiators to produce a compromise bill. "It is imperative that America increase its energy independence," he said.

The administration has said the Senate bill does too little to promote domestic production.

Officials at the Independent Petroleum Association of America echoed that complaint, saying the measure falls "far short" of the domestic energy production incentives in the House bill. But the group praised the Senate bill for including tax credits for small, independent power producers.

Environmental and consumer groups, adamantly opposed to the House bill, had a range of criticisms about the Senate version. They charged it would do little to promote cleaner fuels or reduce global warming.

EPA Proposal Would Allow Dumping Of Mining Waste into Rivers, Streams

By Eric Pianin

THE WASHINGTON POST

WASHINGTON

The Environmental Protection Agency is proposing to allow mining companies to dump dirt and rock waste from their mountaintop coal mining operations into rivers and streams, following an energetic lobbying campaign by the industry.

The proposed rule, if approved by the White House, would provide a major boost to low-sulfur coal mining operations in West Virginia and Kentucky and stepped-up hardrock mining in western states. It also could undermine efforts by environmentalists and community groups to fight mountaintop mining operations that they say cause unacceptable damage to rivers and streams.

Modern mining techniques enable companies to shear off the tops of mountains to reach coal veins and then bulldoze the leftover rock and dirt into nearby val-

leys. It is a highly profitable venture, but it has been limited by federal rules and court challenges aimed at restricting how much of the waste from these operations can be dumped in waterways.

The new rules are essentially aimed at removing these impediments, in particular regulations adopted by the Army Corps of Engineers that prohibit mining companies from disposing of material considered waste, including rock and dirt, in the nearby waterways.

According to a draft "final rule" prepared jointly by the Environmental Protection Agency and the Corps of Engineers, the administration would eliminate that so-called "waste exclusion." The White House has been supportive of efforts to help the mining industry but has not signed off on the final plan, officials said.

The administration has generally supported efforts to increase production of coal, oil and other

energy sources. It has paid special attention to the problems of the mining industry in economically troubled parts of West Virginia.

Administration officials Thursday described the proposed new rules in technical terms — largely an effort to bring the corps rules in line with their interpretation of the Clean Water Act.

They said there is nothing in the act that prohibits dumping of such mining waste in rivers and streams, played down any threat to the environment and described their plan as a preservation of the status quo.

"The changes would harmonize the definition the corps has been operating under with that of the EPA," said Greg Peck, an EPA official who has been involved in the rulemaking. The EPA and Corps of Engineers are jointly responsible for assuring compliance with the Clean Water Act in granting permits for various types of dumping.

U.S. Endorses Plan to Help Reduce Haze at National Parks in West

LOS ANGELES TIMES

In an effort to clear away a veil of haze from the West's premier national parks, the Bush administration announced on Thursday it intends to approve plans to slash emissions from power plants and other sources.

At a meeting in Salt Lake City sponsored by the Western Governors Association, U.S. Environmental Protection Administrator Christie Whitman endorsed a pollution-control plan formulated by a partnership of nine states, Indian tribes and environmental groups over the past decade. The plan aims to cut pollutants that obscure visibility at many national parks and wilderness areas.

"I believe the plan that the partnership has presented is an innovative approach to improving air quality, and EPA shares goals of protecting some of America's most treasured national parks and wilderness areas," Whitman said.

Among the celebrated landscapes expected to benefit from the plan are the Grand Canyon National Park in Arizona and Bryce and Canyonlands national parks in Utah. Smoke from power plants, smelters and factories dotting the West is a major source of haze that dramatically impairs visibility and rains acids on fragile ecosystems.

Judge Promises Swift Decision As HP Trial Wraps Up

LOS ANGELES TIMES

WILMINGTON, DELAWARE

The courtroom battle to block Hewlett-Packard Co.'s acquisition of Compaq Computer Corp. came to an end Thursday without a knockout blow by either side.

Chancellor William Chandler III of Delaware's Chancery Court has ordered each side to submit final briefs by midnight Friday. Chandler said he expects to rule quickly, although the volume of materials presented in the three-day trial suggests to some experts that the opinion may take several days or longer.

Legal experts say the company will almost certainly appeal to the Supreme Court of Delaware if dissident HP director Walter Hewlett prevails in his lawsuit to void the merger vote.

Final certification of the proxy vote to confirm the merger is expected at any time. HP hopes to launch the merged company May 7. It will conduct a regularly scheduled shareholder meeting Friday; Hewlett's term on the HP board also ends Friday, as HP board members failed to renominate him.

Hewlett's suit claims that HP officials misrepresented key data about the merger's benefits and hid financial weaknesses from shareholders and from its own board. It alleges that HP Chief Executive Carly Fiorina and others used threats and promises of new business to coerce institutional shareholders, including Deutsche Bank, to support the merger.

Global Fund Awards \$616M To Fight Scourges

THE WASHINGTON POST

The Global Fund to Fight AIDS, Tuberculosis and Malaria Thursday awarded \$616 million to programs in more than 40 countries to pay for prevention and treatment of those three scourges of the world's poor.

The awards will consume a substantial amount of the \$2 billion currently in the fund. Because the money will pay for many programs that will put AIDS patients on anti-retroviral therapy, Thursday's event may be the start of a long-term financial commitment.

The grants, the first to be made by the nearly year-old fund, finance programs for two years, with additional support contingent on the programs' performance. Award recipients range from a South African AIDS program with a five-year budget of \$93 million to a two-year project in Panama with a budget of \$570,000. A second round of grants will be awarded in November.

The multi-year awards, and the size of the initial outlay, means the Global Fund will have to raise a lot more money for an indefinite period if it wants to keep dozens of newly formed, grass-roots programs from folding. Such an outcome was viewed as unlikely by many advocates, who viewed Thursday's events as the start of a new era.

Court Makes It Easier to Commit Repeat Sex Offenders

LOS ANGELES TIMES

SAN FRANCISCO

The California Supreme Court made it tougher Thursday for serial sex offenders to win release from state mental hospitals.

The state court, acting in the case of serial rapist Patrick Ghilotti, established a legal standard that will allow judges to keep sexually violent predators locked up if two state-appointed mental health experts determine the inmate presents a "substantial danger" to society.

This will permit the state to commit offenders who are deemed to have less than a 50 percent chance of attacking again, the court ruled. Defense attorneys had argued that offenders should be released from state hospitals unless they were more likely than not to rape or molest again.

At issue was the meaning of a 1996 California law that allows the state to commit repeat sex offenders after their prison terms if the felons are "likely" to commit sexual violence again.

The ruling will affect hundreds of sex criminals who have been locked up in California mental hospitals. It also will give the state a second chance to keep Ghilotti confined to Atascadero State Hospital.

Ghilotti, 46, was set to be freed in Marin County last December after three mental health experts found he was not "likely" to reoffend. A Marin County judge and a Court of Appeal refused to stop his release, but the state Supreme Court intervened.

In its 5-2 ruling, the court said Marin County Superior Court Judge John S. Graham should again review Ghilotti's case to determine whether his psychological evaluators complied with its new "substantial danger" standard.

OPINION

Support Fair Labor Standards

A proposal to take several measures to protect the rights of workers involved in the production of MIT-licensed apparel could soon come before MIT's Academic Council. The

Editorial

proposal, authored primarily by several MIT students, calls for MIT to join the Fair Labor Association (FLA) and the Worker's Rights Consortium (WRC), as well as to establish its own code of conduct of licensees. *The Tech* urges the Academic Council to support this proposal.

The fair labor standards this proposal could help establish should be applied to all factories which produce MIT-licensed apparel and goods. MIT should require all licensees to sign such a labor code to ensure that MIT sweatshirts are made in factories as safe as those where brass rats are produced; workers in China and Honduras should be as safe as workers in the U.S.

Certainly, MIT does not sell nearly as much licensed apparel as NCAA Division I sports powerhouses like Duke or Notre Dame, whose logos can be found on t-shirts and hats nationwide. However, having a smaller market doesn't absolve MIT of its responsibility to make sure its products are produced in factories which treat workers fairly. Laborers in other countries should not be forced to work under unsafe conditions for pennies a day just so we can have sweatshirts that say MIT. Students who support the proposal have cited several possible examples of labor abuses in such factories ["Labor Rights and MIT Apparel," Feb. 19]; even the potential for unfair labor practices should be motivation enough for MIT to look closer at companies tied to its name.

Furthermore, MIT can take this opportunity to set a good example for its peer institutions, who collectively do have a large market in apparel. The proposal at hand calls for MIT to join the FLA, with which Harvard University, the California Institute of Technology, and Yale University are already affiliated. GEAR for Sports and Jostens, Inc., both licensed with MIT, are members of the FLA.

In addition, the proposal recommends that MIT join the WRC. Harvard, Caltech, and Yale are not affiliated with the WRC, but other schools are, including Brown University and Columbia University. The FLA and the WRC inspect factories to find violations and determine how to remedy unacceptable

situations. Joining these two organizations would help establish accountability for MIT's licensees.

Beyond that, the authors propose that MIT establish its own code of conduct, its own set of minimum standards for employees of its licensees. These include standards for a living wage, voluntary overtime, health, safety, and nondiscrimination. Establishing such a code would be a clear statement of MIT's stance that it does not condone the substandard labor conditions prevalent in many nations and even in the U.S., and that it will not continue to sponsor such activities.

Unfortunately, this proposal cannot fix everything. It has no bearing on apparel produced by MIT clubs, for example, which represents a not insignificant portion of the MIT-related clothing on campus. Students should not take something as simple as printing t-shirts for granted; find out where those t-shirts were made, by whom, and under what conditions.

The Tech commends the effort led by Sanjay Basu '02 and Julia R. de Kadt '02, who with the help of Kirk D. Kolenbrander brought this proposal to President Vest. Students who feel MIT students cannot be heard by the administration should see this as a sign of encouragement that students can enact positive change, both on-campus and off. The fact that in this case students are taking action before MIT, rather than simply responding to a decision already made, shows that students must be willing advocates if change is to be enacted.

In addition, the administration deserves some credit for allowing Kolenbrander to serve as a direct link between students and President Vest. In this case, Kolenbrander has been supportive of student concerns and has worked with them to draft reasonable proposals supported by both sides. While some students are unhappy with the compromise reached on commencement speaker James D. Wolfensohn of the World Bank, at the very least Kolenbrander worked with students upset by the decision to reach a compromise.

Now the proposal needs the Academic Council's approval. *The Tech* urges the council to realize MIT's responsibility for where it places its own name, as well as its role, as a leading university, to set a positive example for peer institutions. The best way for MIT to live up to these responsibilities is for the Academic Council to accept and implement this proposal.

Letters To The Editor

Juniors: Give Senior Segue A Chance

As it looks likely that the date by which current juniors must apply to Senior Segue will be extended, we wonder why so few people have applied for this option thus far. Several reasons may explain: (1) rising juniors have made many friends over the years in their homes and don't want to leave them, (2) some may be concerned about what kind of environment they will be moving into, and most especially, (3) current undergraduates may not realize how difficult it will be for them to get on-campus housing when they become graduate students.

We sympathize with rising seniors' hesitance to leave their friends behind in their residences. However, we would like to suggest that by moving their senior year they get a start on developing new relationships and friendships with graduate students while being able to retain their old friends. This could alleviate the problem many students who return to MIT for graduate school face: suddenly having to deal with most, if not all, of their friends having graduated and left the area.

During the Open House, some rising seniors worried that graduate students might not be welcoming to them, having heard the debates between graduate community and the MIT administration on putting undergraduates in graduate housing. What is perhaps not understood is that the Graduate Student Council and the graduate residence halls were the

initiators of the senior segue solution and have been advocating for it ever since. In fact, almost all the graduate residences visualize an environment in which Segue participants are indistinguishable from other residents, having been integrated into the residential community. We also feel that Segue participants could add a great deal to the dorms, having been at MIT longer than many graduate students, themselves. We hope that senior segue students will encourage their new graduate friends to attend traditional undergraduate events like Spring Weekend and Steer Roast and act as bridges between the graduate and undergraduate communities. We value the distinctive qualities and experiences rising seniors may bring to grad dorms, and also feel grad communities can offer a lot to smoothing the transition for undergrads into grad school. Integrating the two communities at the stage where undergrads are close to being grad students will be beneficial to all.

Finally, we think there may be a lack of understanding of how hard it is for MIT undergrads to get into graduate housing since they are considered "continuing students" instead of "new students." While a "new student" is virtually guaranteed housing, last year over 800 people applied for 86 "continuing student" beds. This year, because of the opening of Sidney-Pacific, there are many more beds available (although still less than half the people who applied will be given housing). However, the following year (when this year's rising seniors would be applying for graduate housing) the numbers will again decrease sub-

stantially due to continuing students being allowed to "squat" in their rooms. By participating in the Senior Segue program, rising seniors will be guaranteed on-campus housing for their first graduate year. Without it, good luck.

We urge all rising seniors to consider the senior segue option and look forward to them joining our communities.

Sham Sokka G
Yu-Han Chang G
Bhuwan Singh G
Christina Silcox G
Nelson Lau G

Super-duper Logs

On behalf on all of the Logs I would like to thank you for your prompt and very good review ["Superlogs," April 19] of our new album: Superlogs. However, I would like to point out that all of the percussion on our CD is, in fact, pure vocal percussion. When members of the group were listed for parts such as Bongos and Wood Block on the sleeve it was simply meant to differentiate between who was doing the different perc sounds. Our percussionists are very good at emulating the sounds of real instruments, and were quite flattered that you, and others, mistook their vocal percussion for drums. Still, we feel it is important that everybody realize that this is a purely a cappella album.

Robert H. Bates '04
Music Director, MIT Logarithms

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The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January and monthly during the summer for \$45.00 per year Third Class by The Tech, Room W20-483, 84 Massachusetts Ave., Cambridge, Mass. 02139. Third Class postage paid at Boston, Mass. Permit No. 1. **POSTMASTER:** Please send all address changes to our mailing address: *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029. Telephone: (617) 253-1541, editorial; (617) 258-8329, business; (617) 258-8226, facsimile. **Advertising, subscription, and typesetting rates available.** Entire contents © 2002 *The Tech*. Printed on recycled paper by Charles River Publishing.

For-Profit Education in Philadelphia

Dan Tortorice

On April 17, Philadelphia's School Reform Commission decided to hand over twenty of the city's lowest performing middle and elementary schools to Edison Schools, a for-profit company that manages schools. The vote was split 3-2 and both students and teachers have expressed outrage at the decision. This outrage makes sense, for one is hard pressed to accept the rationale for having for-profit schools.

Proponents of the system note the inherent inefficiencies in most government bureaucracies and claim that privatizing schools will help them be more efficient. By tying profit to achievements in education, the schools will have real incentive to increase efficiency.

There are many problems with this argument. First, it is not clear at all how one goes about tying profit incentives to educational achievement. How do you measure the educational achievement of a school? The only objective measure I know of is standardized tests, and, in fact, it was the dismal performance of these schools' students on standardized tests that lead to the privatization move. However, standardized testing is a very limited measure of educational achievement, and tying profits to standardized test scores provides incentive for standardized test achievement and not necessarily educational achievement. If a large part of Edison's profits are tied to performance on a statewide test, I imagine a large part of Edison's classroom instruction will be dedicated to teaching the test. This is most likely not the best education one can give middle-schoolers.

Perhaps the commission will choose not to link profits to test scores. We can't know because the commission has not offered a detailed plan. (This omission causes me to believe that the

decision was not well thought-out.) Maybe, instead, the commission will pay Edison a flat fee per student. But this also raises problems. If Edison is trying to maximize its profit, it's going to provide the least costly education it can for each student. This means hiring less experienced teachers, using less modern textbooks, having larger class sizes, and a whole host of other actions that most people see as problems.

What prevents a company from lowering the quality of its service is competition in the market, your ability to choose another company. Here, though, the citizens of Philadelphia have no choice but to attend Edison's school. Any MIT student who has eaten in an Aramark cafeteria has seen the effects of granting one for-profit company a monopoly on food services. Now Philadelphia is doing the same to its schools. Fortunately, for us, the negative effects of the Aramark monopoly do not extend past our stomachs. Unfortunately, for the children of Philadelphia, the negative effects of the Edison monopoly start at their education and, therefore, extend well into their future.

The decision demoralized many teachers in Philadelphia. They felt as if they had been told that they did not do their job well enough. But I think the move by the commission makes an even stronger statement. It says that the only incentive one can give in

order to improve the schools is the profit incentive. It says that the current educators of

Philadelphia simply will not work as hard as those who get extra financial incentive to work hard. It accuses Philadelphia teachers of slacking off at the expense of their students.

While I'm sure there are some teachers who do, my own experience with educators has led me to believe that this maxim is not true in general. And by making the statement, the commission risks alienating the good educators in Philadelphia, it risks alienating teachers who are an integral part of the future success or

failure of the Philadelphia school system.

But even if you believe that the only incentive that can really motivate a person is money, it still does not make sense to privatize the school system. One can provide financial incentives to teachers in a traditional system. Having bonus awards for outstanding teachers, perhaps as nominated by the faculty or students, would provide incentive to contribute to educational achievement. Moreover, it would successfully target real educational achievement, unlike financial incentives based on test scores.

For-profit education creates one more particularly pernicious problem. The current education budget in Philadelphia is \$1.7 billion. All this money currently goes to further education somehow. Either it maintains buildings, pays salaries, buys textbooks, etc. Once you introduce profit into the equation, on top of the \$1.7 billion you need to add an additional expense, namely the profit for Edison. They have to make some profit in order to want to stay in the business of running Philadelphia's schools. To support school privatization, it is not enough to believe that private firms can find more efficient ways to provide education. One must also believe that the efficiency gain is large enough to justify the profit that Edison must receive. And given the incentives Edison has to reduce educational quality, this belief is a tough pill to swallow.

Standardized testing is a very limited measure of educational achievement, and tying profits to standardized test scores provides incentive for standardized test achievement and not necessarily educational achievement.

The commission's move to privatize education effectively accuses Philadelphia teachers of slacking off at the expense of their students. By making this statement, the commission risks alienating teachers who are an integral part of the future success or failure of the school system.

Do Not Stand Back from Peace

Guest Column
Bilal Zuberi

Presley H. Cannady's guest column in *The Tech* ["Standing Back From Palestine," April 19] is a slap across the face for the entire MIT community — Jewish, Muslim, Christian or otherwise — that wants to see peace in the Middle East. His blatant hatred of Palestinians (which include Christians and Jews as well as Muslims) is self-evident and perhaps not worth commenting much on. The readers are sure to feel as much disgust for the hate-garbage he spewed out as I did when I read it.

However, let's focus on why there is so much killing and aggression in the Middle East. Israelis and Palestinians are not grabbing each other's throats only because of a crazy General Arafat or an even crazier General Sharon. The conflict is a result of the 50-year old strategy adopted by Israel which has denied the creation of a formidable state for the Palestinians where they can attain the same freedoms that Israeli citizens prosper in. Yasser Arafat and the PLO are themselves to blame partially for not doing enough to control the few extremists within the Palestinian territories, but the major blame lies squarely on the biggest player in this conflict: Israel.

There have been many promises made to the desperate Palestinians but none have borne fruit. Palestinians have lost entire generations waiting on the promises to be delivered. While those promises brought security and safety to Israel, Palestinians continued to be treated as worthless, low-life creatures by Israel, both within Israel and in the occupied territories. Before the second Intifada began, there were hardly any suicide bombings or any other form of terrorism inside the state of Israel, so why did Israel not move to allow for an independent state of Palestine to be created? That question rings in every Palestinian's heart who feels frustrated by the lack of substantive movement towards creation of an independent state.

Reverend Desmond Tutu's words rang true last week when he compared Israel's systematic prejudice against non-Jews to the apartheid era in South Africa. However, there is a slight difference; its goal is not to rule over, but to

remove or expel the indigenous Palestinian population. Israel does not seem, at least as yet, very serious about the creation of the Palestine state — and not because a strong Palestinian state would threaten the security of Israeli citizens, but because peace in the Middle East would no longer allow Israel to deserve, the billions of dollars annually that flow into it from the United States.

Let's be clear about this: Israel is not the democratic outpost of the United States in that part of the world. It is the biggest threat to the security of United States citizens and the biggest drain on United States' GNP. We have heard and read how extremists all around the world are targeting the United States due to its support of Israeli aggression. The United States is facing a war on terrorism for many reasons, but Israeli aggression against Palestinians is providing the fuel that extremists use to find support in masses around the world. If it wasn't for the brutal, harsh and almost genocidal policies adopted by the IDF (Israeli Defense Forces), perhaps peace would return to the Middle East, and possibly to much of the world as well.

Peace in the Middle East can only be built on the principle that Palestinian life is equal to Israeli life and Palestinian rights to statehood, sovereignty, freedom, and liberty are as sacred as those of Israeli citizens. Oppression, illegal occupation of lands, and the undermining of basic dignity and respect for human life, as we witnessed in Sabra, Sahtila and Jenin refugee camps has got to stop. The massacre that the Israeli forces are committing, with each passing day, is making the situation horribly difficult for those who are struggling to bring peace in the Middle East, including the peace-loving U.S. citizens. The Israeli aggression in the Palestinian territories is a sad realization, even if written in the way Mr. Presley Cannady thought appropriate: "When the U.S.

turns away from the war, Israel kicks Palestinian ass all across the West Bank."

Even now, when Israel is trying to portray its current invasion of Palestinian territories as a measure to protect its own security, we must not forget that there are many facts that point to a systematic undermining of Palestinian sovereignty in the Palestinian lands. The Israeli occupation has never ceased and even now, the so-called Palestinian Authority areas are pock-marked with new Israeli settlements. A map of Palestine shows how illegal settle-

ments have been erected by extremist Jewish populations and the state of Israel not only supports them but encourages them to occupy more lands. In fact, in 1998, General Sharon urged the Israeli settlers to "move on, and grab as many hill-tops as they can to

enlarge the settlements because everything we take now will stay ours — everything we don't grab will go to them." Former President Jimmy Carter, in 2000, wrote that "[a]n underlying reason that years of U.S. diplomacy have failed and violence in the Middle East persists is that some Israeli leaders continue to create facts, by building settlements in occupied territory."

It is time now for the U.S. citizens, Israeli citizens and the citizens of this world to stand up and force Israel to stop the aggression. There are Christians, Jews, and Muslims being killed mercilessly in Palestine and while we wait and watch, the death toll is making it ever more difficult to instill peace in the minds of young Israeli and Palestinian children. The moment of truth has now come and Israel must act in favor of peace, or else it is in danger of finding itself as alone as South Africa after the fall of communism. The rest of the world has already given this message to Israel and now the U.S. President and this nation are doing the same. This is not the time to stand back from peace.

Bilal Zuberi is a graduate student in the Department of Chemistry.

Many promises have been made to the desperate Palestinians, but none have borne fruit. While those promises brought security and safety to Israel, Palestinians continued to be treated as worthless, low-life creatures by Israel.

Hitting The Wall

Andrew C. Thomas

Marathon runners are masters of endurance. They subject themselves to immense physical pressure for a prolonged period of time, and the reward for completing the grueling task is often entirely personal. In similar fashion, MIT students undergo equally grueling tests of endurance twice a year for four month intervals. The pressure applied by parents, peers, and professors is paled, in most cases, by a personal need to succeed. True, an MIT degree is more financially lucrative than a body in excellent form (depending on who you ask), but the rewards that can be achieved in no way disguise the weight that must be overcome.

One major problem associated with the marathon is a phenomenon known as "hitting the wall," a major drain in energy associated with a changeover from the metabolism of carbohydrates to that of fats. The shift requires some energy to function and is a major impairment in being able to maintain efficient operation of the muscles. This typically happens at about the 20-mile mark of a 26.2-mile marathon. In order to overcome this, the ideal solution is to not run low on carbohydrates in the first place, by stocking up on starches and sugars a short time before the race.

In our own marathon, the wall in the semester has hit for most students. If the regular flow of work hadn't slowed people down, the last week's supply of tests, followed by the crucial decision-making process of whether it's warranted to drop one or more classes, is certain to drain whatever energy is left. Spring fever hits and no one wants to stay

The marathon we run has one significant difference, in that its architects gave us the slight advantage of an extra break, like a three- or four-day weekend every so often.

inside. Bad weather hits immediately afterward and no one wants to get out of bed. The anticipation of summer ahead takes away from the here and now. And the list goes on with more factors that remove any enthusiasm about schoolwork in general.

The marathon we run has one significant difference, in that its architects gave us the (slight) advantage of an extra break, like a three- or four-day weekend every so often. However, instead of using the time to regroup, students often use the time to catch up on more work, or get ahead of it. The advantage of this is that pressure may be relieved later on down the road, but still there is no true break, no opportunity for renewal. If they take the short break, the workload afterward still remains high. Our main reserves continue to be tapped. Do we have an alternative fuel source? People seem to find energy in mysterious places, even if it comes at the expense of their sanity (or that of their roommates).

Like marathons, though, the idea of pacing is still important. I admit that I often overload on what I'm obligated to do, and the obsession to finish everything, and quickly, is sometimes quite strong. (I also admit that I'm extremely surprised when this behavior, not procrastination, dominates my thinking.) But rest stops should be scheduled in if at all possible. Sleep is the best rest stop of all — it's the one that's hard-wired into each of us — and if at all possible, it shouldn't be short-changed. True, it goes against MIT dogma — nowhere else do energy drinks like Red Bull and AMP make so much profit — but by mortgaging sleep for efficiency, we're probably taking years off our lives.

I cannot truthfully pin down whether this is actually an issue of the place itself, the attitudes of the faculty towards work, the people we are before or after we get here, or some other factor. But each of us is in the middle of running our own marathon, and the majority of us aren't professionals at it. Keep an eye on your fuel gauges, and make sure you don't hit that wall head-on. Find moments of renewal and make the most of them. Just remember that with only a seemingly short month to go until the end of the semester, the finish line is just barely in sight. But try not to let that enter your mind. Remember that there is some joy in running, not just in reaching the goal.

Honorable Discharge

Roy Esaki

Rummaging through society's chest of bygone relics, one finds an assortment of forgotten, quaint, embarrassing, or hopeless anachronistic virtues. Loyalty, chivalry, decency, due respect for elders and authority, honesty, responsibility, humility, and the all-encompassing artifact, honor. Interesting as novel antiques but no longer useful in a brave new world, can — and should — old-fashioned Mr. Smith values ever have the glamour they once had in their heyday?

Once upon a time, honor meant something, and we used the term without irony. An earnest mentioning of the topic today seems stodgy, if not moralistic. Aside from phrases like "in honor of the late Mr. Worthington," the deflated "honor roll," or the slightly glib "scout's honor," the word seems mostly forgotten, and its concept, evoked only by Klingons or medieval reenactments, seems as foreign as an arcane Greek virtue.

Societies and cultures have perhaps emphasized honor to an extreme, undertaking extreme measures such as century-long feuds or *seppuku*, in the name of honor. But it's still a good thing to have: in the absence of honor,

Once upon a time, honor meant something, and we used the term without irony. Today, aside from the deflated 'honor roll,' or the slightly glib 'scout's honor,' the word seems mostly forgotten, and its concept seems as foreign as an old Greek virtue.

we have puerile and unbecoming pranks that are both costly and degrading to the community's repute. The latest Rutgers survey of 4,500 high school students that found that 75 percent of them engage in serious cheating, that many even justified cheating as necessary, and even proper, to succeed in the face of unrealistic expectations. We have the best-selling historian Stephen Ambrose plagiarizing whole passages for his World War II book, *The Wild Blue*, explaining that, although he hadn't used quotations, his error was minor because he had footnoted the source.

Yes, dishonorable conduct has always existed, but one, it's always greatly unfortunate, and b), we really should know better by now. Out of the ashes of modern nihilism arose a new system of ends-justified hedonism. We now have an ironic coexistence of jaded cynicism at the absurdity of it all, with a smug confidence that our society is generally progressive and increasingly enlightened. What results is an unstoppable, rampantly proliferating mode of thinking and living that gradually takes over all that once was held dear, turning them into relics.

Why is that a problem? One perspective is that, although there are no values in an absurd world, they are wonderful and useful human inventions that make life better and take us out of the barbaric state of nature. Rejecting the antiquated values of yesteryear, we run the risk of undoing the products of civilization, to state it extremely, to a time of instability, fear, and doubt.

If everyone held themselves to a code of honor, we could eliminate many of life's silly problems (silly, in that they need not be problems). There'd be no duplicity, no adversarial relationships where none should exist, and no immature or irresponsible behavior. Ultimately, happiness wouldn't be based on wealth, distinctions, or even on success (even personal success is greatly random anyhow), but on an intrinsic quality that one could always be in control of; happiness wouldn't be a zero-sum product, as it is presently, but would be autocatalytic as one person appreciates and benefits from the virtues of another. It is admittedly a Quixotic notion. But that's the whole point.

Do you have an opinion?
Write to us at

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Dr. Strangelove for a New Millennium

Guest Column
Brice Smith

Seven minutes to midnight. The Bulletin of the Atomic Scientists recently moved the hands on their Doomsday Clock down to seven minutes, signifying the increasingly dangerous and unstable nuclear world in which we live. It has been one month now since sections of the administration's Nuclear Posture Review (NPR) were leaked, and since then we have witnessed a backslide into global nuclear posturing on a scale unthinkable only a few short weeks ago.

The revelations from the NPR, written under Secretary of Defense Rumsfeld, sent shock waves around the world and have turned the threat of nuclear war from a fading Cold War memory into a topic discussed almost casually by the world's leaders.

Following America's lead, Britain soon threatened the use of nuclear weapons against four non-nuclear states, Pakistani leader General Musharraf warned India that his country might be provoked into using their atomic bombs, and an influential Japanese official cautioned China to either scale back its military programs or face the potential of his country producing several thousand warheads overnight. The policy review that began this spiral contains three highly controversial suggestions that have provoked a sharp international response.

First was America's plan to store rather than destroy most of the 4,000 warheads Bush plans to cut from the U.S. stockpile. Moscow has expressed strong opposition to this idea and Russian Defense Minister Sergei Ivanov said that "Russia does not see in this any sort of cutback."

Second was the proposal that America be ready to use nuclear weapons (even potentially in a first strike) against China, Russia, North Korea, Iraq, Iran, Syria, and Libya. Of these, only Russia and China possess nuclear weapons, and all seven have signed the Nuclear Non-Proliferation Treaty. By openly abandoning their promise not to use nuclear weapons against non-nuclear states, the United States is in danger of undermining the only motivation to remain nuke free.

This threat provoked widespread international condemnation, prompting a member of

the Russian parliament to question whether American officials had "somewhat lost touch with the reality in which they live."

Third was the plan to develop new "earth-penetrating" nuclear weapons to defeat underground military facilities. According to experts, no such weapon could entirely contain its blast and would thus produce a particularly dangerous type of fallout in the form of a radioactive dust cloud.

The review also states that to maintain the nuclear stockpile, testing may have to be resumed in violation of the 1992 Nuclear Testing Moratorium. Last year, the administration commissioned a study to determine how quickly test sites in Nevada could be put back into use, and in March, a senior American nuclear scientist asked Congress to allow nuclear tests to begin three months after a request instead of the current three years.

The release of the NPR has brought into focus the accelerating U.S. trend of violating major international security agreements and international law. A 1996 World Court of Justice ruling clearly stated that "the threat or use of nuclear weapons would generally be contrary to the rules of international law applicable in armed conflict." In addition, a 188-page report released this week found that Washington has "violated, compromised, or acted to undermine in some crucial way" each of the treaties studied, according to co-author Nicole Deller.

Defense Secretary Rumsfeld and the authors of the NPR have also openly stated that they view arms control regimes like the ABM treaty, which the United States pulled out of on December 13, as little more than Cold War relics and that the current arms control process is "incompatible with the flexibility" now required by U.S. military planners.

A concern that has been voiced over and over again about the U.S. policy is that it potentially lowers the bar for considering the use of nuclear weapons. In just four weeks we have already seen that bar fall away.

Following on the heels of the NPR's release, Britain's Defense Secretary Geoff Hoon told the Defense Select Committee on March 21 that other countries should be "absolutely confident that in the right conditions we would be willing to use our nuclear weapons." Hoon focused on four so called "states of concern," Iran, Iraq, Libya, and

North Korea, although he put special emphasis on Iraq. Three days later, in a television interview, he reiterated his warning to these nations.

In an interview on April 7, Pakistan's military leader, General Musharraf, warned that "if pressure on Pakistan becomes too great then as a last resort, the [use of the] atom bomb is also possible." In the same interview he accused India of having a "superpower obsession" and of "buying up the most modern weapons in a megalomaniac frenzy."

Neither India or Pakistan have signed the NPR, and both countries have remained on full military alert since mid-December. Pakistan, whose conventional forces are much smaller than its rival's, has retained the option of using nuclear bombs first, whereas India has said that it would only use its arsenal for a devastating retaliatory strike.

And finally, Ichiro Ozawa, head of the Japanese Liberal Party, said over the weekend that he had warned a Chinese intelligence officer that if China went ahead with its massive military modernization program, Japan could "produce thousands of nuclear weapons overnight" using plutonium from their reactors. He added that China is expanding "in the hope of becoming a superpower," but that Japan would never lose if it became serious about strengthening its defenses. Currently Japan adheres to a long-standing ban on nuclear weapons, but their energy program has up to 38 metric tons of plutonium, which is enough to quickly make more than 7,000 warheads.

In a clear example of the changing nuclear climate, Ozawa's threats are in sharp contrast to three years ago when a member of his party was forced to resign as a junior defense minister after he called for a debate on Japan acquiring a nuclear deterrent.

Possessing by far the world's largest stockpile of weapons of mass destruction, America's posture carries tremendous weight in international affairs. By its systematic rejection of multilateralism and the rule of law in favor of unilateralism and the rule of force, the U.S. nuclear policy has itself become an undeniable and growing threat to global security.

Seven minutes, and counting...

Brice Smith is a graduate student in the Department of Physics.

China's Guanxi and Kuan-hsi Capitalism

Basil Enwegbara

The Economist saw it as the twenty-first century economic powerhouse. Experts concurred. And Western investors as a result rushed in an unprecedented manner comparable only to the 1885 European scramble for Africa. Recognizing this new goldmine, most of the world's leading economists transformed themselves into Chinese experts since they did not want to be left out. Not wanting to be surprised, Washington did not hesitate to assemble its army of foreign development experts to keep a close watch on this emerging Chinese economy. Human rights activists and environmental activists quickly took their usual position to fight this new China.

The government of the People's Republic of China, surprised that all of this could happen so quickly to China, once a forgotten peripheral country, now the center of gravity, advancing industrial and economic competition, seized the newly found power. Today, the Chinese government has built one of the most sophisticated public relations machines, promoting China as the fast emerging economic superpower with a two-digit annual growth rate.

But is the news truly correct — that is, is China really growing so fast to become sooner than later the economic superpower? Or could China wait until about 2050 as Joseph Nye recently revealed in his book *The Paradox of American Power: Why the World's Only Superpower Can't Go It Alone*? Could we simply see China as another Asian false boom? Answering these questions would require a closer look at the realities today, and whether these good changes really are taking place, and whether they are enough to make the most populous country in the world also the world's most powerful economy.

There is no doubt that China has transformed itself into an impressive and sophisticated industrial economy. This rapid industrial transformation is most common in the central littoral regions and the coastal provinces like lower Yangtze River, Fujian and Guangdong. Aided by a cheap and skilled labor force, good education, and liberal investment policies, China is today attractive to many foreign investments led by Diaspora Chinese and

Western multinational corporations. All have given rise to astronomic growth in local industrial expansion. China's GDP, within less than three decades, is outpacing those of other countries in the world; and Shanghai Stock prices, for instance, are hitting records higher than anywhere else.

China's strength is in products based mostly on mature product lines and low technologies. Leading in the garment industry, household products and appliances, components such as computer hardware, and automotive parts, China is driving most companies in the newly industrialized countries into bankruptcy. This unprecedented growth has triggered what is today known as a China crisis — that is, the emergence of a Chinese economy that produces products underselling Chinese neighbors, particularly the former Asian Tigers. In other words, China is doing to the Tigers what the Tigers once did to Japan and what Japan earlier did to the United States and Europe. How could Thailand and China compete in the gem-cutting business, for example, with China's \$50 monthly salary compared to Thailand's \$200 monthly salary? Certainly there is no way.

With everything going seemingly well for China, the communist country now has begun high-powered economic diplomacy to enhance China's true status as an economic superpower, including belonging to the G-9 and transforming itself from a self-isolated middle kingdom, a celestial empire, an aggrieved victim, and the world's leading oligarchic-bureaucratic dictatorship to a modern and liberal economic system.

But despite these impressive achievements, the Dragon faces a series of unresolved issues that today threaten China's emergence as a global economic player. In fact, China is catching the "Asian flu" which recently grounded countries such as South Korea, Thailand, and Indonesia. A bank-dominated financial system, weak central bank regulation and supervision of commercial banks, and excessive lending and nonperforming loans have become common within the Chinese economy. Problems arising from the lack of well-developed capital markets are themselves creating a high potential for systematic underpricing of loans and encouraging excessive borrowing by the state-owned enterprises

with preferential credit access. The state-owned enterprises' 500 percent debt-to-equity ratio is already threatening this young industrial economy. The continued support of these inefficient, corrupt, and money-losing state-owned enterprises could lead to lack of confidence in the country's banking system. China is today witnessing a great deal of province-centered tensions caused by central government's efforts to transfer resources from wealthier provinces to the poorer ones; and province-province tensions also because of the growth in income gap between the booming coastal provinces and the interior provinces. These tensions are even in the interests of the West, who would like China to dismantle communism and become democratic just like the former Soviet Union. And once tasted the benefits of capitalism, most Chinese would forced to fight communism hands down, seeking more and more social and economic freedom.

Without addressing the inherent denial of human rights and personal liberty, lack of religious freedom, and the sustained suppression of ethnic minorities, China cannot be expected to sustain the kind of social and economic pluralism required of a true capitalist system. Rather than deal with these problems the government prefers mounting a powerful lobbying campaign to hide these social nightmares particularly its free riding on the universal standards of human rights and tolerance for minorities in places like Tibet. Even its powerful neighbors — including India and Japan — are growing wary of China's environmental perils coming from industrial pollutants such as arsenic, cadmium, and lead.

China simply confirms Krugmanian economists' argument that the Asian rapid growth economy is a product of heavy investment spending rather than an outcome of productivity growth. Leading economists like David Zweig are now pointing to the growing destabilizing social impact of China's huge level of unemployment as large number of people continue to leave farming. Disappointed that the magic never happened, world-celebrated economists like Lester Thurow view China to have run out steam while others like Jeffrey Sachs now head to Nigeria and South Africa, as the their next destination.

THE ARTS

ON THE SCREEN

— BY THE TECH ARTS STAFF —

The following movies are playing this weekend at local theaters. The Tech suggests using <<http://ae.boston.com/movies/>> for a complete listing of times and locations.

★★★★ Excellent
★★★ Good
★★ Fair
★ Poor

Blade II ★★★

Although the plot is even less original than the first, *Blade II* still delivers with its blood-drenched, dark vision of the world hidden beneath our own. If you want a serious movie with a deep story, move on, but if you want hard action and horrific visuals, see *Blade II*.

— Dan Robey

Death to Smoochy ★★½

Warner Brothers markets the film's mascot as an 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. —Sandra M. Chung

Monsoon Wedding ★★★

The arranged marriage of a young Indian couple in Delhi brings together a whole cast of delightful characters who sing, laugh and cry as they are reawakened and strengthened by the power of love to bring people together. *Monsoon Wedding* is a vibrant, light-hearted romantic comedy with a talented, all-star Indian cast and the intimate creative touch of Mira Nair. —Jonathan Choi

Panic Room ★★½

While thrilling and fun for a while, *Panic Room* falls short of its ultimate potential and is overall forgettable. Though the last part of the burglary saga is spectacular, the ending leaves much to be desired. Fincher decides to end the story in no particular fashion, only notifying the audience that it's time to go home. —Brian Loux

Resident Evil ★½

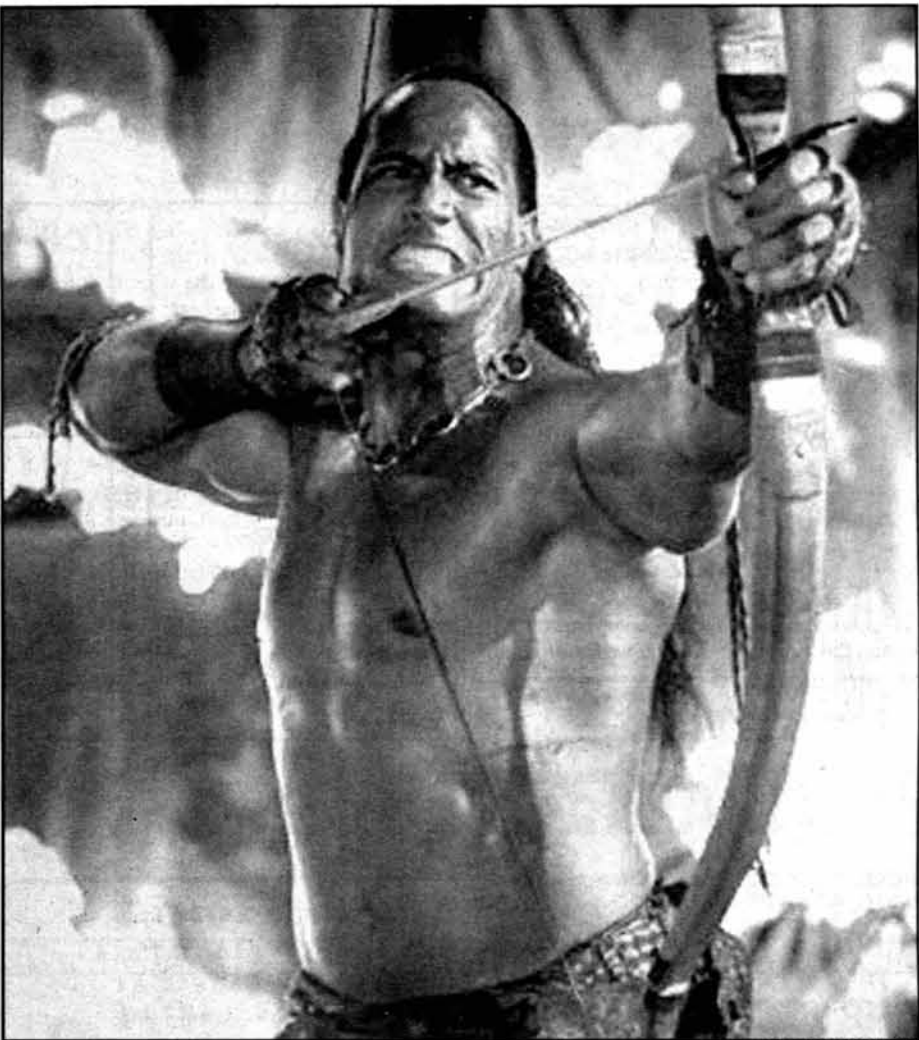
While its violence is barely excessive enough to make you cringe, its plot is not dynamic enough to make you truly care. If you're looking a cheap thrill ride, *Resident Evil* can adequately conjure your adrenaline. If not, then avoid this one like the T-virus. —Jumaane Jeffries

Y Tu Mamá También ★★★

Two doped-up and horny friends, convince a 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. What *Y Tu Mamá* lacks in setup and loses in slight excess is more than compensated for by an unusual sobriety rarely found in American teen movies. —Jed Horne

The Scorpion King ★★★

Even though *The Scorpion King* isn't flawless, and even if it doesn't make sense at times, it makes up for it in coolness. If you're not prepared to overlook the movie's flaws, don't see the movie. If you are, however, prepare to put your brain in neutral and be entertained, because The Rock delivers everything you would want in a good action movie. —Brian Loux



Mathayus (The Rock) shows his fiery side in *The Scorpion King*.

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SEE
ACADEMY AWARD®
WINNING FILM
"MONSTER'S BALL"



"Human Nature" follows the ups and downs of a scientist, a female naturalist, and the man they discover, born and raised in the wild. As the scientist trains the wild man in the ways of the world, his lover fights to preserve the man's past.

Shows Daily at 10:40am, 12:55, 3:15, 6:25, 8:45
No 10:40am shows on Sun

★★★★★

Y TU MAMÁ TAMBIÉN

Set against the lush backdrop of Mexico, this sexy road trip movie stars Diego Luna and Gael García Bernal as teenage best friends. Their lives, r' led by raging hormones and a headlong rush into adulthood, are interrupted by a stunning Spaniard named Luisa. Fueled by alcohol and her beauty, the boys ask Luisa to join them on a road trip to a remote and romantic beach, though their destination becomes the mysterious place where innocence, sexuality, and friendships collide.

Shows Daily on 3 Screens at 10:45am, 11:30am, 12:30, 1:30, 2:30, 3:25, 4:30, 6:10, 7:00, 7:45, 8:40, 9:20, 10:10
No 10:30am, 11:30am shows on Sun

ACADEMY AWARD®
WINNER!

Best Actor - HALLIE BERRY

"THE BEST FILM OF THE YEAR!"

MONSTER'S BALL

Monster's Ball is a hard-hitting Southern drama tempered by a story of life-changing love. Billy Bob Thornton stars as Hank, an embittered prison guard working on Death Row, who begins an unlikely but emotionally-charged affair with Leticia (Hallie Berry), the wife of a man he has just executed. Filmed on location in and around New Orleans and at the notorious Louisiana State Penitentiary at Angola (also known as "The Farm").

Shows Daily on 2 Screens at 10:30am, 12:15, 4:15, 6:30, 8:55, 10:00
No 10:30am show on Sun

kissing
jessica
stein

Jessica—a sensitive but neurotic New York journalist—sees an intriguing personal ad; only problem - it's in the 'Women Seeking Women' section. On a whim, she decides to answer it. She meets Helen Cooper for drinks and, to her surprise, they click instantly. With conventional gender roles absent, the two women begin a hilarious courtship, making up the rules as they go along.

Shows Daily on 2 Screens at 10:35am, 12:50, 1:55, 3:05, 5:20, 6:40, 7:35, 9:55
No 10:35am show on Sun

Monsoon
Wedding

Winner of the top prize at the 2001 Venice International Film Festival, the film links the stories of far-flung family members, their servants, and secret lovers as a Punjabi family reunites for their daughter's lavish wedding in New Delhi.

Shows Daily at 12:05, 2:55, 6:05, 9:15

Loews Copley - the best in Independent films

ON THE GREEN LINE AT COPLEY PLACE MALL

Visit WWW.FANDANGO.COM

to buy tickets online.

20 STUDENT JOBS !!!

20 Undergraduate Teaching Fellows wanted for ...

MISSION 2006: Saving one of the last great frontiers... RAINFOREST

Who can apply: Studends from ANY department or background — MIT Undergraduates, M.Eng. students and Master's Degree candidates

MIT subject 12.000 — Solving Complex Problems is also known as Mission 2006: Rainforest. It is taught by Prof. Kip Hodges (Geology). Application process consists of you sending us your resume and your ideas about how to approach the problem described below, and when you are available for a brief interview in the week of Thur. April 25th - Wed. May 1st. Additional times can be set up. We will contact you by email to set up a 30 minute interview.

This job is for FALL 2002 (pay or credit):

Subject 12.000 meets 3 times a week. Time commitment is 10 hours a week. Pay info: \$80/week. Please also read subject description and expectations available online at: <http://web.mit.edu/prtmit/www/application.html>

We ask for the following information:

1. Your resume and a short paragraph about why you would like to be a Teaching Fellow (see responsibilities online)

2. Please answer the following question (about one page long). How would you approach the following problem:

"Develop a way to characterize and monitor the well-being of one of th last true frontiers on Earth: the Amazon Basin Rainforest. " Feel free to

site seeing

web tour guides needed

The Alumni Association's monthly e-zine, **openDOOR**, will feature the web pages of students graduating in 2002 in its June edition.

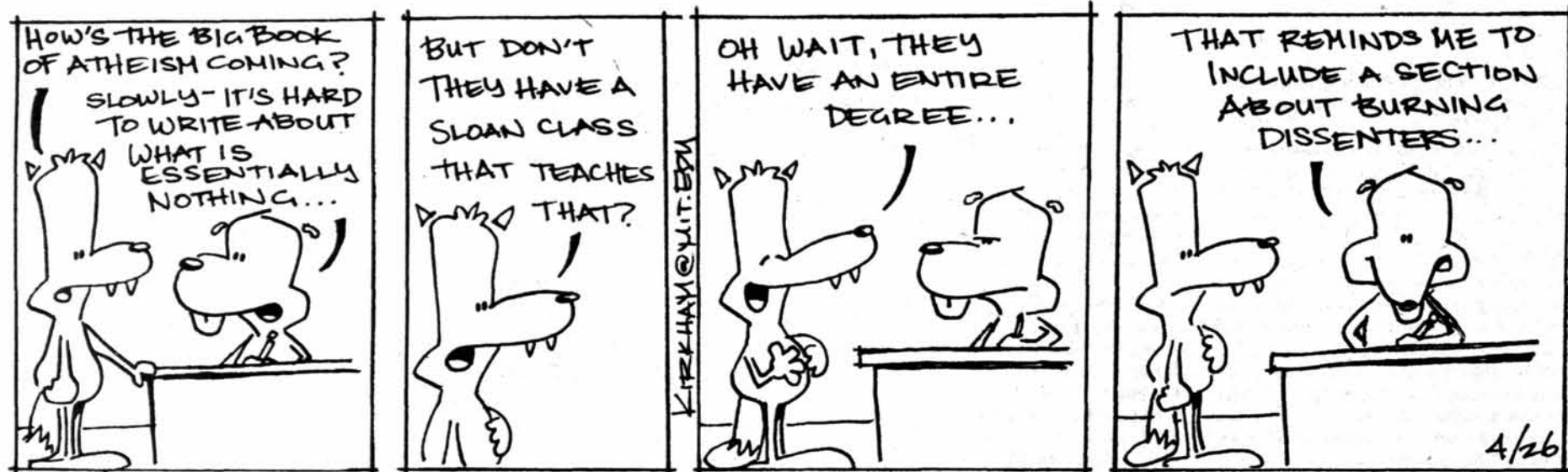
Nominate your own web page or that of a friend, and you could win a \$10 gift certificate to Toscanini's.

<http://alumweb.mit.edu/opendoor/200204/nominate/>

FUN PAGES

Page
8

the crass rat



INTEGRAL FORCE

AHWONG



*see 4/9/02 issue



pooplets & pooplings



MICROCOSM by STAG

SEE HER FACE WHENEVER I, I LOOK AT YOU...



I'M TALKING WITH THE MAN IN THE MIRROR...



I LIKE BIG BUTTS AND I CANNOT LIE, YOU OTHER BROTHERS CAN'T DENY, WHEN A GIRL WALKS IN WITH AN ITTY-BITTY WAIST AND A ROUND THING IN YOUR FACE YOU...

GET STRING



REST BREAK

DID YOU KNOW THE COST OF LIVING IN LAS VEGAS IS HALF WHAT IT IS HERE?

THAT'S BECAUSE THEY HAVE NO INCOME TAX.



AND THAT THE COST OF LIVING IN MANHATTAN IS DOUBLE WHAT IT IS HERE?

THAT'S BECAUSE OF ALL THE MUGGINGS.



SO, WE LIVE RIGHT SMACK IN THE MIDDLE.

I WOULDN'T EXACTLY SAY THAT.



YEAH, YOU'RE RIGHT. THE COST OF LIVING IN COLLEGE IS ZERO.

IT'S A GOOD THING OUR PARENTS DON'T MIND PAYING FOR US TO PARTY FOR FOUR YEAR'S STRAIGHT.



FoxTrot by Bill Amend

HOW'S YOUR HOMEWORK COMING, PETER?

I'M STUCK ON A WORD PROBLEM.

I'D OFFER TO HELP, BUT IT'S BEEN A WHILE SINCE I TOOK MATH.

MATH? THIS IS FOR HISTORY CLASS.

OH, THAT SORT OF WORD PROBLEM.

WOULD IT KILL MICROSOFT TO INCLUDE A MANUAL?!

MOM, CAN YOU READ MY BOOK REPORT?

I'D BE HAPPY TO, PAIGE.

Ernest Hemingway's "A Farewell to Arms" is about yagwelm and cpxmhjakav.

The central character is Dpejbbp and the main themes are yqgn-zexxrb and lthja nwekj.

FEEL FREE TO FIX ANY TYPOS, BY THE WAY.

NICE TRY.

GLUG GLUG GLUG

GLUG GLUG GLUG

THIS COULD COMPLETELY CHANGE SPITBALL WARFARE AS WE KNOW IT.

EILEEN JACOBSON IN SIGHT. RANGE: 800 YARDS.

Dilbert® by Scott Adams

IT'S A NEW REALITY. IF YOU DON'T LIKE IT, YOU CAN LEAVE!

QUESTION: HOW CAN WE LEAVE REALITY? AREN'T WE ALWAYS IN IT BY DEFINITION?

NEVER MIND... APPARENTLY EVERYONE ELSE KNEW WHAT YOU MEANT.

WHAT A DAY I'M HAVING. FIRST MY KEY CARD DOESN'T WORK, SO I HAVE TO TAILGATE INTO THE BUILDING.

THEN MY NETWORK PASSWORD DOESN'T WORK. NOW MY VOICEMAIL DOESN'T WORK!

IS IT POSSIBLE FOR ANYTHING ELSE TO STOP WORKING TODAY?!

DO YOU HAVE A SECOND?

WALK AND TALK.

SO, THE SUPPLIER WON'T...

HI, PETE. HEY, TIM. HI, BARB. HOW ARE YOU? NOT BAD. HI.

UM... THOSE AREN'T THEIR NAMES.

MY WAY IS EASIER.

HI, TED.

Crossword Puzzle

Solution, page 17

ACROSS

1 Night flyer

4 Before, before

9 Assassinated Israeli P.M.

14 Period

15 Exhorted

16 Wear away

17 1989, '90 and '96 Masters champion

19 Edible root

20 "Little Man"

21 Recent prefix

22 Filled in

23 Wild oxen

25 Spindrift

26 Organic compounds

29 _ corner

30 Black shade

33 Move smoothly

34 British gun

35 Actress Spelling

36 Masters course

39 Profound

40 Narrow margin

41 Invitee

42 Lat. or Lith., once

43 1988 champion

44 Hold your _!

45 Wallops

47 Persian fairy

48 Comic Plaza resident

50 Little legume

51 Gulp

55 City on the Rhone

56 1987 champion

58 Rock shelf

59 Discernment

60 Quayle or Forsman

61 Curvy letters

62 Frock or gown

63 Before, before

DOWN

1 Grass for greens

2 Operatic song

3 Diplomacy

4 _ Wiedersehen!

5 Nobilo and Beard

6 Eyes lasciviously

7 Make over

8 Tokyo, formerly

9 Come back

10 Antilles island

11 Co-founder of the Masters

12 _ fixe (obsession)

13 Dweeb

18 Excited

22 Dog-tired

24 Bellicose deity

25 Slander

26 Zounds!

27 Turns on a pivot

28 Youngest Masters

champion

29 Four-time champion Palmer

31 Rub out

32 Pinball infractions

34 False gods

35 Travel industry

37 Aromatic herb

38 Borodin's prince

43 Young girls

44 Major suit

46 Flexible joint

47 As such

48 French she

49 Caustic substances

50 Host before Carson

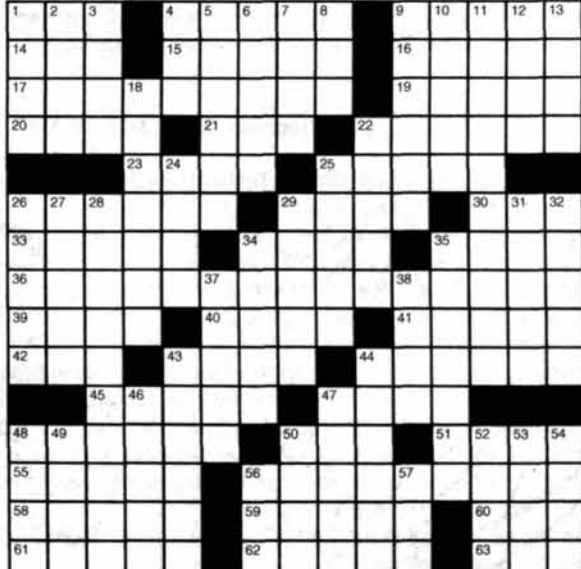
52 Broad

53 Star in Bootes

54 1935 champion Sarazen

56 Inc. in Islington

57 Affirmative response



Events Calendar

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

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

Friday, April 26

11:00 a.m. - 3:00 p.m. – I-Fair. Spring Weekend 2002. Free. Room: Student Center Steps & Kresge Oval (Rain location: LaSala de Puerto Rico). Sponsor: Residential Life and Student Life Programs.

12:00 p.m. - 2:00 p.m. – MIT Jewish Faculty Luncheon. “An Ethnic & Religious History of the US Education System.” RSVP 4 days in advance by e-mail to ksross@mit.edu. \$10. Room: W11 Small Dining Room. Sponsor: Hillel, MIT.

12:00 p.m. - 1:00 p.m. – Element K Demo. Is web-based training for me? Spend an hour in this quick start to find out. Learn how to get started using web-based training, explore what is offered and ask questions. For more information about web-based training at MIT, see <http://web.mit.edu/is/training/wbt>. Room: N42 Demo. Sponsor: Information Systems.

12:00 p.m. - 1:00 p.m. – ACDL Seminar. “Optimization of the Boeing Blended-Wing-Body” by Sean Wakayama, Boeing Phantom Works. Free. Room: 33-206. Sponsor: AeroAstro.

1:30 p.m. - 3:00 p.m. – The Politics of Parental Leave Policy. Discussion Panel. Free. Room: 1-135. Sponsor: Women’s Studies Program.

3:00 p.m. - 4:00 p.m. – Mechanical Engineering Seminar. “Six-Axis Nanometer/Microradian Alignment in Manufacturing and Assembly Processes.” Free. Room: 3-133. Sponsor: ME Seminar Series.

3:00 p.m. - 5:30 p.m. – “The Cannes Film Festival and French Cosmopolitanism.” Talk sponsored by the History Faculty. Organized by Professor Jeffrey Ravel. Free. Room: Room 4-237. Sponsor: History Office. Comparative Media Studies Program, HTC Program (Architecture), MIT-France Program.

3:00 p.m. - 4:30 p.m. – Alan S. Michaels Distinguished Lectureship. 2002 Alan S. Michaels Distinguished lectureship in Medical and Biological Engineering - “Biotechnology - Will It Create A New Industry.” Free. Room: 4-370. Sponsor: Chemical Engineering.

3:00 p.m. - 5:00 a.m. – “Cannes Film Festival and French Cosmopolitanism.” Lecture by Vanessa Schwartz, associate prof of history, University of South California / author of “Spectacular Realities: Early Mass Culture in Fin-de-Siecle Paris.” Free. Room: Room 4-237. Sponsor: History Theory Criticism Forum, Department of Architecture.

4:00 p.m. - 6:30 p.m. – 2nd Conference in Technology, Archaeology and the Deep Sea. MIT announces its 2nd Conference on Technology, Archaeology, and the Deep Sea. Recent advances in deep submergence vehicles have made it possible to locate, document, sample, and excavate archaeological sites in waters ranging from 100 to 6,000 meters in depth. Deep water projects have continued among a wide array of researchers. We are still at the beginning of the development of archaeological methods and theoretical frameworks for remote and robotic operations in deep waters, operations that require a unique fusion of archaeology, engineering, and oceanography. This conference will convene experts in a focused setting to enable archaeological research in the deep sea to continue to evolve as a truly integrated scientific and social scientific practice. Free. Room: Bush Room - Bldg 10, Room 105. Sponsor: STS.

4:00 p.m. - 5:00 p.m. – PSFC Seminar. Carbon Free Energy Independence by 2050? Possibly with a Fission-Fusion Hybrid. Free. Room: NW17-218. Sponsor: Plasma Science and Fusion Center.

4:15 p.m. - 5:15 p.m. – Almost all Graphs of Degree 4 are 3-Colorable. Refreshments will be served at 3:30 p.m. in Room 2-349. Free. Room: Room 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.

7:00 p.m. – MIT Anime Club Weekly Screening. “Boogiepop Phantom” (10-12), “Battle Athletes” (4-6), Noir TBA. Most screenings are subtitled in English. The MIT Anime Club is a non-profit MIT student organization dedicated to increasing the awareness of Japanese animation (anime) on campus. Membership, available at the beginning of the term, enable one to borrow media, and receive valuable discounts with area merchants. Free. Room: Rm 6-120. Sponsor: Anime Club, MIT.

7:00 p.m. – Monster’s Ball. In this hard-hitting and emotionally charged Southern drama, the long-standing racism of a Georgia family is challenged by a surprising interracial relationship. Hank (Billy Bob Thornton), an embittered prison guard working on death row, begins an unlikely affair with the wife (Halle Berry, Academy Award Best Actress 2002) of the man he has just executed (Sean Combs). Hank’s son (Heath Ledger), who works with his father, is hell bent on getting out of the life that has formed around him, a life that has been poisoned, along with the rest of his family, by the hatred and racism of their patriarch. \$3. Room: 26-100. Sponsor: LSC.

8:00 p.m. – One Flea Spare. Dramashop production of play by Naomi Wallace. Directed by Guest Instructor Daniel Alexander Jones. \$8, \$6 students w/ID. Room: Kresge Little Theater. Sponsor: Dramashop.

8:00 p.m. – Roadkill Buffet: “Rock, Paper, Anything Show.” Antics from MIT’s improv comedy troupe. Free. Room: Rm 35-225. Sponsor: Roadkill Buffet.

8:00 p.m. – Spring Weekend Concert: Sugar Ray and the Spin Doctors. Doors open at 7 p.m. Tickets on sale at The Source (1st Floor Student Center) and the GSC Office (50-220). \$12 MIT students, \$15 other colleges (Harvard, Tufts, BU, BC, Brandeis, Simmons, Berklee, Suffolk, Emerson and Lesley); \$15 at the door. Room: Johnson Athletic Center. Sponsor: Graduate Student Council.

8:00 p.m. – MIT Chamber String Orchestra. Dante Anzolini, music director. Free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

8:00 p.m. - 12:00 a.m. – Spring Dance Festival. Come for two dance workshops and party at 9 p.m.! See <http://mitbdt.mit.edu> for workshop schedule and pricing. Starting at \$2. Room: Lobby 13. Sponsor: MIT Ballroom Dance Team.

10:00 p.m. – Monster’s Ball. In this hard-hitting and emotionally charged Southern drama, the long-standing racism of a Georgia family is challenged by a surprising interracial relationship. Hank (Billy Bob Thornton), an embittered prison guard working on death row, begins an unlikely affair with the wife (Halle Berry, Academy Award Best Actress 2002) of the man he has just executed (Sean Combs). Hank’s son (Heath Ledger), who works with his father, is hell bent on getting out of the life that has formed around him, a life that has been poisoned, along with the rest of his family, by the hatred and racism of their patriarch. \$3. Room: 26-100. Sponsor: LSC.

Saturday, April 27

9:00 a.m. - 5:30 p.m. – 2nd Conference in Technology, Archaeology and the Deep Sea. Free. Room: Bush Room - Bldg 10, Room 105. Sponsor: STS.

12:00 p.m. - 6:00 p.m. – Quiz Bowl. Spring Weekend. Free. Room: Stratton Student Center. Sponsor: Residential Life and Student Life Programs.

2:00 p.m. – Lord of the Rings: The Fellowship of the Ring. An ancient Ring thought lost for centuries has been found, and through a strange twist in fate has been given to a small Hobbit named Frodo. When Gandalf discovers the Ring is in fact the One Ring of the Dark Lord Sauron, Frodo must make an epic quest to the Cracks of Doom in order to destroy it! However he does not go alone. He is joined by Gandalf, Legolas the elf, Gimli the Dwarf, Aragorn, Boromir and his three Hobbit friends Merry, Pippin and Samwise. Through mountains, snow, darkness, forests, rivers and plains, facing evil and danger at every corner the Fellowship of the Ring must go. Their quest to destroy the One Ring is the only hope for the end of the Dark Lords reign! \$3. Room: 26-100. Sponsor: LSC.

2:00 p.m. - 6:00 p.m. – Class Wars. Spring Weekend. Free. Room: Kresge Pits. Sponsor: Residential Life and Student Life Programs.

2:00 p.m. - 6:00 p.m. – Panhel Carnival. Spring Weekend. Free. Room: Kresge Oval (Rain

Location: La Sala de Puerto Rico). Sponsor: Residential Life and Student Life Programs.

3:00 p.m. - 6:00 p.m. – Barbeque. Spring Weekend. Free. Room: Kresge Pits. Sponsor: Residential Life and Student Life Programs.

6:00 p.m. – Lord of the Rings: The Fellowship of the Ring. \$3. Room: 26-100. Sponsor: LSC.

6:30 p.m. - 11:00 p.m. – MIT Club of Boston Gala 2002: An Evening with Dr. Lawrence H. Summers '75. Every other year the MIT Club of Boston holds a major social event. The special guest at this year’s Gala is new Harvard President Larry Summers, MIT Class of 1975. In addition to MIT’s senior officers, several of Dr. Summers’ colleagues will be on hand for an MIT-style roast. Dress is black tie or festive. \$125 per person. Room: Hyatt Harborside (near Logan International Airport, Boston). Sponsor: MIT Club of Boston.

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

8:00 p.m. – One Flea Spare. Dramashop production of play by Naomi Wallace. Directed by Guest Instructor Daniel Alexander Jones. \$8, \$6 students w/ID. Room: Kresge Little Theater. Sponsor: Dramashop.

8:00 p.m. – MIT Concert Choir. William Cutter, music director. Classic American Musical Theater. Selections from: “Oklahoma,” “Guys and Dolls,” “Hello Dolly,” etc. \$3 at the door. Room: Kresge Auditorium. Sponsor: Music and Theater Arts Section.

9:00 p.m. - 1:00 a.m. – Get Sprung at MacGregor. Spring Weekend. Free. Room: MacGregor Courtyard and Inside. Sponsor: Residential Life and Student Life Programs.

10:00 p.m. – Lord of the Rings: The Fellowship of the Ring. \$3. Room: 26-100. Sponsor: LSC.

Sunday, April 28

9:00 a.m. - 12:00 p.m. – 2nd Conference in Technology, Archaeology and the Deep Sea. Free. Room: Bush Room - Bldg 10, Room 105. Sponsor: STS.

6:00 p.m. - 10:00 p.m. – Junoon “Peace” Concert at MIT. Junoon is the most popular band from South Asia (<http://www.junoon.com>). They will perform in this Peace concert at MIT Kresge Hall to promote tolerance, moderation and harmony. Please contact Bilal Zuberi (bilal@mit.edu) for tickets. \$15 for MIT students, \$20 for non-MIT students, \$30 for non-student, \$35 at door. Room: Kresge Hall, MIT Campus. Sponsor: Graduate Student Council, South Asian American Students, Sangam, PAKSMIT.

7:00 p.m. – Monster’s Ball. \$3. Room: 26-100. Sponsor: LSC.

8:00 p.m. – Art Lande Trio. Pianist Art Lande joins Bruce Williamson (saxes and clarinets) and Gunter Wehinger (flutes). This concert is sponsored in part with the support of the Austrian Cultural Forum New York. \$10 suggested donation. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

10:00 p.m. – Lord of the Rings: The Fellowship of the Ring. \$3. Room: 26-100. Sponsor: LSC.

Monday, April 29

12:00 p.m. - 1:00 p.m. – Working Group Recycling Committee Meeting. Committee Meeting of Working Group Recycling (WGR) task force. Open to all interested faculty, staff and students who would like to help improve recycling at MIT. Free. Room: Adler Conference Room 39-327. Sponsor: Working Group on Support Staff Issues.

12:00 p.m. - 1:00 p.m. – Wireless and DHCP Quick Start. DHCP is a protocol that allows MIT users to roam across the campus, being able to connect to and use MITnet from their computers virtually anywhere there is network access. In addition to existing Ethernet network drops throughout classrooms and libraries where users can connect, during the course of AY 2000-2001, Information Systems has installed and made available IEEE-802.11b-compatible wireless networking access points throughout public spaces on campus, such as large classrooms, libraries, the Student Center, and others. This talk is a practical overview of: what DHCP is how DHCP at MIT works and why what wireless networking at MIT offers and where you can use it who can use DHCP, through network drops or wireless access points what you need to get started — software and hardware how you can register for DHCP and wireless access how these services can benefit you and your work and caveats, common issues, and frequently asked questions. The goal is to provide quick-start information to get you going with DHCP access. There will be a Q&A session at the end of this event. Room: N42 Demo. Sponsor: Information Systems.

1:00 p.m. - 5:00 p.m. – Celebration at the Athinoula A. Martinos Center for Biomedical Imaging. Please join the physicians and scientists of the Athinoula A. Martinos Center for Biomedical Imaging to celebrate the installation of two new state-of-the-art imaging systems: a 7-tesla lab made possible with the support of the Office of National Drug Control Policy and a 306-channel MEG-EEG lab made possible with the support of the MIND Institute. There will be a dedication ceremony from 1:30-3:00 p.m. and a reception with lab tours from 3:00-5:00 p.m. Free shuttle bus service to the Charlestown facility will be available from MIT Building E25. Free. Room: Martinos Biomedical Imaging Center, 149 13th St., Charlestown. Sponsor: HST. Massachusetts General Hospital, Harvard Medical School.

3:00 p.m. – “Resonance and Discord.” 2002 Page Hazlegrove Lecture on Glass by Michael Scheiner, acclaimed glass sculptor, instructor, and designer. Michael Scheiner teaches artists adventurous approaches to sculptural glassblowing. He has taught at the Rhode Island School of Design, Haystack Mountain School of Crafts in Maine, and Pilchuck Glass School and been a visiting artist at the Nijijima International Glass Art Festival in Japan. He is a recipient of fellowships from the Rhode Island State Council on the Arts, the National Endowment for the Arts, and the Ford Foundation. His work has been featured in solo exhibitions at the Helander Gallery in Florida and the Betsy Rosenfeld Gallery in Illinois and is held in the collections of the Renwick Gallery of the Smithsonian Institution in Washington, D.C., and the Corning Museum of Glass in New York. Free. Room: Wong Auditorium. Sponsor: MIT Glass Lab.

3:00 p.m. - 4:00 p.m. – Mechanical Engineering Seminar: “Control Systems with Actuator Saturation: Analysis and Design.” Room: 1-242. Sponsor: Mechanical Engineering Dept.

4:00 p.m. - 5:00 p.m. – “On Yang-Mills in higher dimensions.” Free. Room: 4-159. Sponsor: Differential Geometry Seminar. Department of Mathematics.

4:00 p.m. - 5:00 p.m. – Mechanics Seminar: “Dynamics of digitally controlled piecewise linear systems.” Room: 5-234. Sponsor: Mechanical Engineering Dept.

4:00 p.m. - 6:00 p.m. – STS Colloquium. Can Eugenics Be Morally Right and Politically Correct? The Case of Thalassemia Screening in Cyprus. Free. Room: E51-095. Sponsor: STS.

4:15 p.m. - 5:15 p.m. – On Random Symmetric Travelling Salesman Problems. Refreshments will be served at 3:45 p.m. in Room 2-349. Free. Room: Room 2-105. Sponsor: Applied Mathematics Colloquium. Department of Mathematics.

5:30 p.m. - 7:15 p.m. – The Resilient City Colloquium: Trauma, Recovery and Remembrance. MIT’s Resilient City project was conceived in response to the terrorist attacks that destroyed New York’s World Trade Center on Sept. 11, 2001. The colloquium will examine critically how cities in the past have endured traumatic episodes, and prevailed to establish new order out of chaos and devastation. Weekly lecture series. Free. Room: Room 10-485. Sponsor: Department of Urban Studies and Planning.

5:30 p.m. - 7:30 p.m. – Describing Colossal Egypt. Free. Room: 3-133. Sponsor: Aga Khan Program for Islamic Architecture.

6:00 p.m. - 7:00 p.m. – “Jews & Genes: A Look at Our Origins. Presentation part of MIT Hillel’s dinner lecture series. none. Room: Ashdown House West Dining Room. Sponsor: Hillel, MIT.

11:59 p.m. – Lag Baomer Late Night Marshmallow Roast. After the sun goes down, forget the books & enjoy smores, etc in honor of Lag Baomer! Free. Room: Kresge BBQ Pits. Sponsor: Hillel, MIT.



It's Your Move!

The MIT Chess Club is proud to announce

THE MIT OPEN COLLEGIATE CHESS CHAMPIONSHIP

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- \$ • 2 groups, 4 rounds G60. Group 1 game USCF rated.**
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- \$ • Thousands of dollars in prizes!**

DATE: **Sunday May 5, 2002. (Register by May 1st)**

Location: West Lounge, Stratton Student Center 2nd floor (W20-201), 84 Massachusetts Avenue, Cambridge, MA (across the street from MIT main entrance).

Time control: G60, i.e. 60 minutes per person per game. **Entry fee:** None! But open to college students only, student ID required.

Schedule: Registration: 8:30 - 9:30 AM. Rounds: 10AM, 1PM, 3:30PM, 6PM. USCF membership required.

- Group 1:**
- **1st prize: \$75 + placement at Worldco with an additional \$3,000 in an Equity Trading Account (Juniors and Seniors Only).**
 - **2nd prize: \$50 + Placement at Worldco with an Additional \$1,000 in an Equity Trading Account.**
 - **3rd prize: \$25 + Placement at Worldco with an Additional \$500 in an Equity Trading Account.**

Group 2: Non USCF rated. 1st and 2nd place receive a one-year USCF membership.

Top college: A chess clock will be awarded to the top college based on the highest combined score of four of its players.

Registration: Register by May 1st to guarantee a spot in the tournament. Limited number of players may participate. To register, please send an email to Sanne de Boer (sanne@mit.edu) or Elina Groberman (greli@mit.edu) with your name, college, rating or approximate strength, preferred group and USCF ID number if applicable.

URL: MIT Chess Club: web.mit.edu/chess-club/www

Please bring your own chess sets and clocks!!!

For more information on Worldco Financial Services, please visit our website: www.worldco.com

For inquiries about Worldco please email Tom Hollerbach at tjh@wldc.com



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Most MIT students drink safely
and many don't drink at all.
Whatever your choice,
these facts may help you
or a friend in need.

ALCOHOL

just the facts



CDISA Community Development &
Substance Abuse Programs

1 Alcohol poisoning?

If a friend has any **ONE** of these symptoms of alcohol poisoning:

- breathing fewer than 8 times per minute, or irregular breathing with 10 seconds or more between breaths
- passed out, appears unconscious or cannot be awakened
- cold, clammy pale or bluish skin
- vomiting while sleeping or passed out, or not waking up after vomiting
- no pulse, stopped breathing

On campus: call 100 immediately

Off campus: call 911 immediately

These symptoms are signs of a **medical emergency**. When in doubt, check it out. It is better to be nosy and safe than regret that you didn't do more.

When in doubt, check it out

Signs of a potential problem:

- consuming a large quantity of alcohol in a short amount of time (multiple, rapid shots; funnels; chugging)
- slurred speech
- impaired motor control (stumbling, cannot walk, etc.)
- vomiting

If you notice any ONE of these signs:

- Keep a close watch on your friend. Even after stopping drinking, the effects of alcohol can become more pronounced over time. Your friend is still at risk of alcohol poisoning.
- **Do not leave your friend alone.**
- Watch for symptoms of alcohol poisoning and call for help immediately if you notice your friend progressing to severe intoxication.
- **If your friend is sleepy or out of it, make sure your friend is on his/her side**, so that if he/she vomits, the vomit will not cause choking and suffocation. Propping your friend up with a pillow in front and in back will lessen the likelihood of rolling onto his/her back.
- **Stay with your friend.** Wake your friend up frequently—every 15 minutes or so. If your friend doesn't awaken easily, get help.
- Contact your Tutor or Housemaster.
- Contact Campus Police (100) for advice or for an escort to MIT Medical (24 hours).
- **If you are unsure** of what to do, call MIT Medical (617/ 253-1311, 24 hours) for advice. All calls and visits to MIT Medical are strictly confidential.

2 Is there a magic formula?

The source

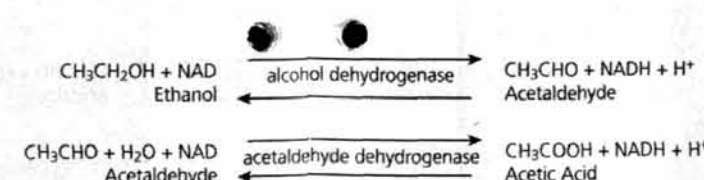
- A 12 oz. beer, a 5 oz. glass of wine or a mixed drink (1.5 oz. hard liquor) all contain approximately **the same amount of alcohol**: roughly 20 grams.
- Punches vary wildly. A 6 oz. serving can contain 0-60 grams of alcohol.

The rate

- The **effects of alcohol vary greatly** from one person to the next, and in the same person from one day to the next.
- The rate of metabolism is about 6-8 grams per hour (120 mg of alcohol per kilogram of weight per hour) in the average person weighing 70 kilograms or 154 pounds. **It takes two to three hours to completely metabolize one beer.**
- Many factors significantly influence the rate of alcohol absorption and the effects of alcohol, including body weight, fatigue, if you've eaten, gender, medications, and history of drinking. Alcohol requires no digestion or preparation for absorption. It is rapidly absorbed when it is presented to the small bowel.
- **Food slows the process**, diluting the alcohol and delaying gastric emptying while digestion occurs. Four drinks in one hour without food will result in a very high blood alcohol level, while the same amount of alcohol with food, spread out over a four-hour period, will result in a much lower peak alcohol level.
- Both the peak concentration and the area under the curve of alcohol concentration over time will be **lower in the slower drinker**, since absorption occurs over a longer time period and metabolism of the alcohol will be occurring simultaneously.
- The larger the physical size of the drinker, the lower the blood alcohol level will be for a given amount of alcohol. Alcohol is distributed essentially equally in total body water—about 60 percent of total body weight.

3 How does your body metabolize alcohol?

- Alcohol is metabolized by a series of reactions that begin in the digestive tract and continue in the liver. Gastric enzymes (alcohol dehydrogenases) begin to break down alcohol even before it is absorbed. **Rapidly ingesting alcohol skips this first attempt at detoxification of alcohol.**
- Liver metabolism of alcohol is an active process that commands both metabolic machinery and resources. There are important genetic and acquired factors that affect the metabolism of alcohol.
- Alcohol itself induces increased activity in the enzyme systems that leads to its metabolism. Alcohol or ethanol is converted into acetaldehyde, and then to acetic acid. (Acetic acid in dilute solution is vinegar.) Here are the chemical formulas:



- If a person is **on some medications, including aspirin, before drinking, the drugs may prolong the effects of alcohol** because they inhibit alcohol dehydrogenases.
- About 90 percent of ingested alcohol is metabolized. The remaining 10 percent is excreted unchanged in urine and in exhaled air. The large surface area of the lung and the high filtration rate of the kidney result in some excretion of alcohol and **account for the odor of alcohol on the breath of an individual who is drinking.**
- The **metabolism of alcohol is a chemical process which occurs at a fixed rate. Showers, caffeine or similar efforts do not alter the rate** at which alcohol is metabolized.
- The metabolism of alcohol may continue long after the last drink of alcohol. Some individuals may be metabolizing alcohol as much as 12 hours after their last drink.

4 Setting your own pace

- **Eat, before and during.** Try high-protein foods, such as cheese. Avoid salty snacks, which increase your desire for liquids.
- **Avoid carbonated mixers or sodas.** Carbonation increases the rate of absorption of alcohol into the bloodstream.
- **Mix your own drinks**, so you know what's in them.
- **Caffeine or cold showers don't work.** They make you more alert, but don't affect how your body metabolizes alcohol. Once alcohol is in your system, the rate of metabolism is constant.
- **Releasing control of intake can be risky**—avoid drinking games, goals, demonstrations and attempts at intercollegiate record breaking.
- **Alternate alcohol beverages** with noncarbonated, non-alcohol beverages, such as juice.
- Stop drinking alcohol for **part of the night**: dance, chat with friends, go to the bathroom.
- If you want more, **refill your glass yourself—when it's empty**, not when it's half-full.
- **Don't mix alcohol with other drugs** (Valium, aspirin, cocaine, etc.). Some combinations can be deadly.
- Avoid punches unless you're **clairvoyant** and can predict how much alcohol is in the punch.
- Vomiting doesn't work. Unless it occurs **immediately** after drinking, most of the alcohol will already be in your blood. Besides, it's not that attractive or fun.

5 Finding out more

MIT Medical (E23)
visit web.mit.edu/medical/

Internal Medicine call your provider directly
medical advice, counseling or 617/ 253-4481

Mental Health counseling, referral 617/ 253-2916
Personal Assistance Program 617/ 253-4911
MIT Alcohol Support Group 617/ 253-4911
Al-Anon and AA 617/ 253-4911
info on campus support meetings
Health Education 617/ 253-1316
info, speakers, programs

Dean for Student Life

Community Development & Substance Abuse (CDISA) 617/ 253-3276
(26-161)
or visit <http://web.mit.edu/cdisa/>
Counseling and Support Services 617/ 253-4861
(5-106) counseling, referral
Residential Life and Student Life Programs 617/ 253-6777
(W20-549) policy information, event registration

Campus Police

Legal advice, information, referral 617/ 253-1212
Crime Prevention 617/ 253-9755
Sensitive Crimes 617/ 253-6875
educational information:
e-mail crimbite@mit.edu
or visit web.mit.edu/cp/www/

Student-to-Student

Nightline (7pm to 7am, school year) 617/ 253-8800
peer listening hotline
MedLINKS 617/ 253-1318
or visit web.mit.edu/medlinks/www/
basic info, referrals

Other Help

Chaplains see listing in MIT Directory

Off Campus

AA (Alcoholics Anonymous) 617/ 426-9444
area support groups for alcohol users
Al-Anon 781/ 843-5300
support groups for friends and family affected by another's drinking
Mass. Substance Abuse Helpline 617/ 445-1500
Bridge Over Troubled Waters 617/ 423-9575
free drug/alcohol counseling for those under 25

PAKSMIT PRESENTS:

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Critics Rave This As The Biggest Pakistani Show in Boston this Year

"The U2 of Pakistan" - *The New York Times*

"Led Zeppelin meets Qawwali" - *VH1*



Sunday April 28, 2002 @ 6 pm
Kresge Auditorium, MIT Campus

\$15 MIT Students, \$20 students, \$30 non-students, \$35 at door

For more information visit:
junoon.mit.edu

Co-Sponsors: SAAS Sangam BSA LEF GSC

Vest Takes Early Lead in Annual Big Screw Contest

By Sam Hwang
STAFF REPORTER

The annual Institute Screw Contest, otherwise known as "The Big Screw," has already raised more than \$800 for charity as of Thursday night.

President Charles M. Vest currently leads the contest with a total of \$283.98 so far, approximately \$100 ahead over the second place Chancellor Phillip L. Clay PhD '75 with \$187.99. Professor Steven B. Leeb, who teaches Microprocessor Control Lab (6.115), is currently third with \$184.22. The contest will end today at 5 p.m.

Contest honors MIT's harshest

Alpha Phi Omega runs the Big Screw as one of their two main annual charity fundraisers. The contest is a week-long event held each spring term, during which candidates compete by having monetary donations given on their behalf at a booth in Lobby 10.

As evidenced by the participation of Vest and Clay along with the usual mix of teachers, both MIT faculty and staff may run in the contest. Most Big Screw candidates are suggested by others, usually students.

Each candidate must choose a charity to represent in the contest. The candidate who raises the most money by the end of the week receives all of the money raised by each candidate for their charity.

The trophy, a three foot, left-handed aluminum wood screw, is awarded to the winning candidate and is ceremonially dubbed the person the students feel has screwed them over the most.

Contestants aid charities

While Clay has not yet chosen

his charity, current leader Vest selected the MIT Community Service Fund. Last year's winner, Physics professor Hale Van Dorn Bradt PhD '61 also donated his winnings to the MIT Community Service fund.

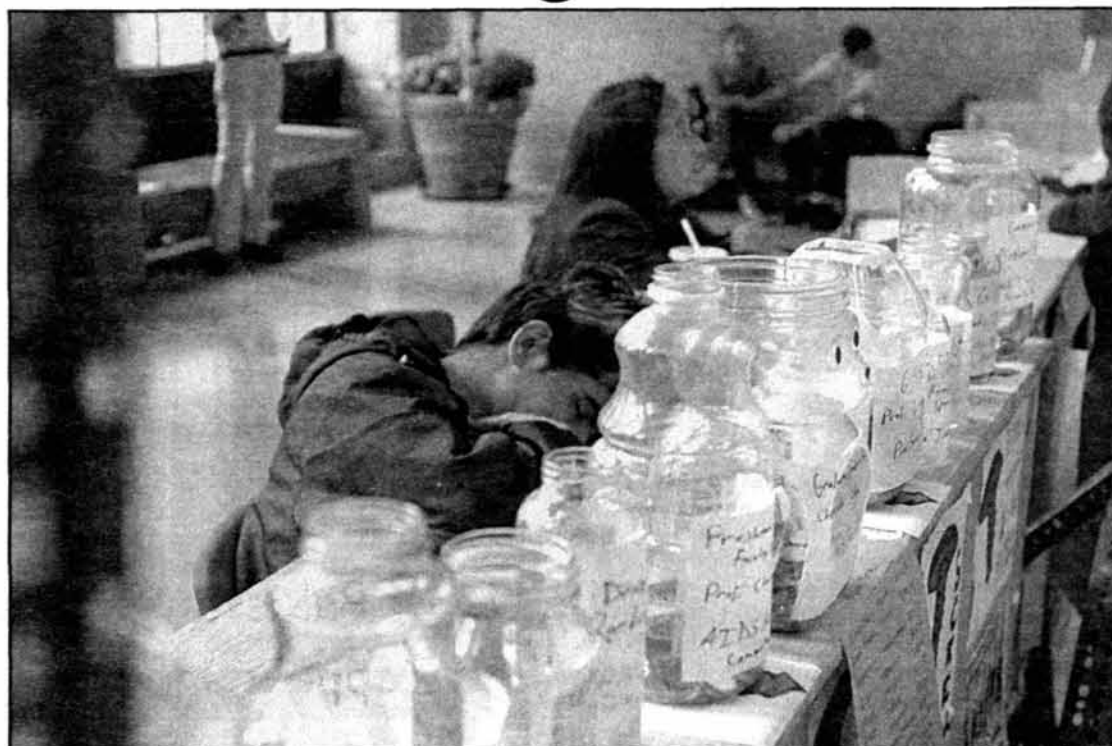
Professor Haynes Miller, currently teaching 18.03, is planning on donating the winnings to the Friends of the Union of Palestinian Medical Relief Committees pending his victory. He currently has a total of only \$56.75. Of his current ranking in the contest, Miller said, "I've only raised \$56.75. I thought I could have done better than that. I gave my class an hour exam on Wednesday."

Professor of Electrical Engineering and Computer Science Donald E. Troxel plans on donating the money should he win to the Charles River Association for Retarded Citizens because he says that they are "a very needy bunch who I'd love to help out." Troxel has a long way to go, however, as he is in the tail of the pack with \$49.78.

Students vote for many reasons

APO's booth in Lobby 10 has been crowded with students all week long. Although many students vote for professors who they feel have screwed them over the most, some students vote for professors that they like. One student Eric C. Makhni '05 voted for Miller because "Professor Miller is a great teacher who really tries to get students to participate in class so that it makes learning math fun."

Some students participated in the contest just for fun and donated money randomly. Lavoska Barton '05 voted for Vest because he "wanted to participate in the Big Screw contest, but didn't know



Michael P. Nagle '05 naps as he mans the Big Screw booth in Lobby 10. President Charles M. Vest is currently in first place.

who to vote for."

Other students voted for candidates based on the charities that they represented. Victor W. Hsu '04 voted for Vest because he felt that "the MIT Community Service Fund is an organization that definitely deserves more money so that they can continue doing great things for MIT and its community."

The Big Screw is an event which is unique to MIT and has a long history. Alumni pass down stories of professors campaigning, such as one professor who tried to win by giving a lecture in French, despite the fact that he was teaching a math class.

Big Screw Standings

Totals as of 5 p.m. yesterday

Candidate (topic)	Total	Charity
Charles Vest (Commencement)	\$283.98	MIT Community Service Fund
Phillip Clay (Graduate Student Housing)	\$187.99	(to be announced)
Steven Leeb (6.115)	\$184.22	Pine Street Inn
Haynes Miller (18.03)	\$56.75	Friends of UPMRC
Donald E. Troxel (6.111)	\$49.78	Charles River Association for Retarded Citizens
Elizabeth Young and Julie Norman (Freshman Orientation Schedule)	\$40.51	Transition House
Charles Stewart (Freshman P/NR)	\$28.74	AIDS Action Committee
John Gutttag and Srinivas Devadas (6.170)	\$22.64	Margaret Fuller House
Steven Pinker (9.00)	\$21.90	Literacy Volunteers of Massachusetts
Wes Harris and Mark Spearing (Unified)	\$19.73	The Jimmy Fund
Robert Randolph	\$18.08	Hospice of Cambridge
Lorraine Fesq (16.070)	\$6.15	Boys and Girls Club of Boston
Write-ins (only for today)	\$10.00	

SOURCE: ALPHA PHI OMEGA

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Information Systems would like to hear from you regarding **Windows XP at MIT**. Complete a survey at <http://mit.edu/discovery/winxp/survey.html>

to be entered to win a Palm m130.
Survey ends on April 30, 2002.
(requires MIT personal certificate)



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www.sleepstudy.org/asthma

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* for up to 6 people at dinner, alcohol not included.



Starters

Crispy Lobster with
plum tomato and cilantro relish
\$9.00

Grilled Focaccia topped
with roasted plum tomatoes
and basil
\$5.50

Entrées

Tuna Steak with
green peppercorn sauce
\$18.00

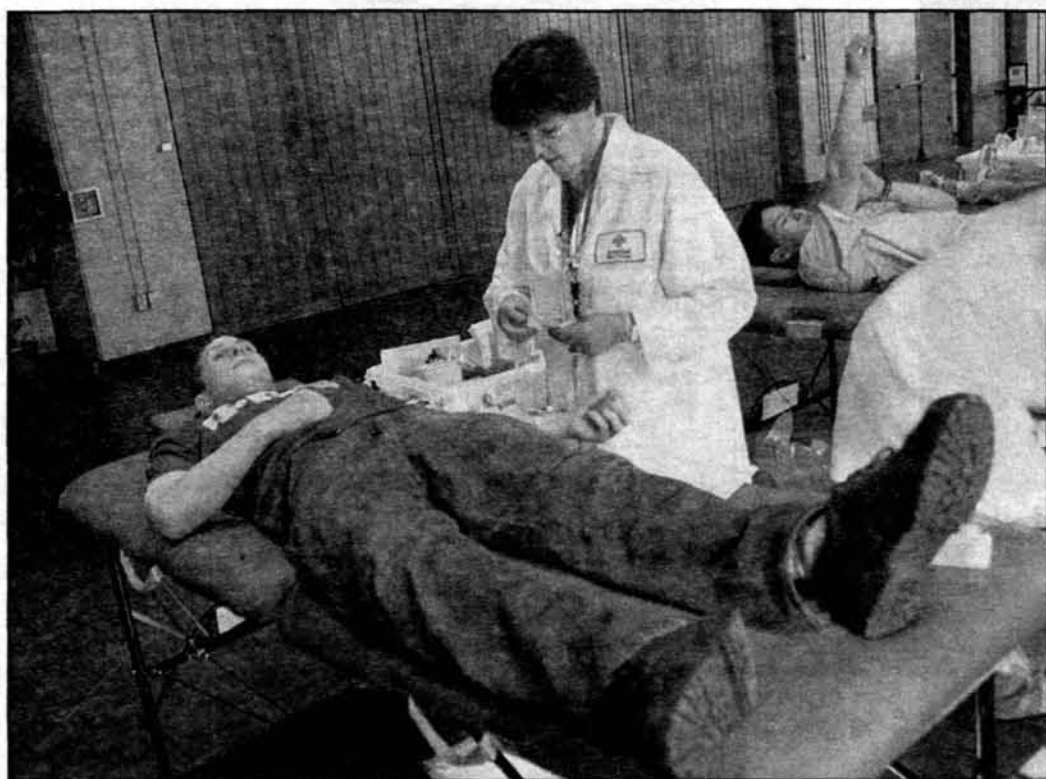
Maple Smoked Pork Chop with
caramelized apples
\$15.00

Trio of Mixed Grill
(Lobster, Petite Filet
and Catch of the Day)
\$27.00

Desserts

Sidney's Skillet with cashews,
hazelnuts and chocolate topped
with vanilla ice cream
\$6.50

Apple and Pear Bread Pudding
\$6.00



DANIEL BERSAK—THE TECH

Nicholas A. Behrens '05 donates blood during Wednesday's American Red Cross Blood Drive. According to the Red Cross, only 5 percent of eligible donors actually give blood.



DANIEL BERSAK—THE TECH

Jiyun Han '05 gives Martin Case (Physical Education Faculty) an impromptu drum lesson on Kresge Oval Thursday.

It's a connected world. Do your share.

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Washington, DC 20008.



Earth Share

This space donated by The Tech

AI Lab, LCS Discuss Plans for Stata Move

By Kevin R. Lang
EDITOR IN CHIEF

A committee appointed by Dean of Engineering Thomas L. Magnanti is currently discussing possible changes to the relationship between the Artificial Intelligence Laboratory and the Laboratory for Computer Science when the two move to the new Stata Center in 2003-2004.

The two labs sponsored a discussion session with current students on April 18 to begin seeking feedback. The laboratory directors, Professor Victor W. Zue ScD '76 of LCS and Professor Rodney A. Brooks of the AI Lab, cited the "increasing amount of collaboration and cooperation between the two labs" as motivation for the discussion.

Stata move leads to committee

Brooks said that the move to the Stata Center has prompted talk on how groups within the labs should be arranged, or if new groups should be formed altogether. "We're just trying to get people's opinions," Brooks said. "There has definitely been talks of new research groups."

Zue said that the two labs originally split some 30 years ago, "one focused more on artificial intelligence, the other on traditional computer science." In recent years, however, "we've seen quite a bit of collaboration between the two labs" he said.

Brooks cited the example of Project Oxygen, a \$40 million program to change the way people interact with computers, as one of the research projects which currently spans the two labs.

Early plans still uncertain

Brooks said that discussions were still preliminary, and that the

possibility of an outright merger between the two labs was only "something people are throwing around as an idea."

Zue said that discussion of recombining the two labs was premature. "The dean gave us quite a bit of latitude," he said, "[but] on the table are several alternatives." According to Zue, the two labs could continue as separate entities, merge, or reconfigure into smaller labs and centers.

Zue said "about a dozen people" were serving on the new committee, co-chaired by Professor Ronald L. Rivest of LCS and Professor Tomas Lozano-Perez '73 of the AI Lab.

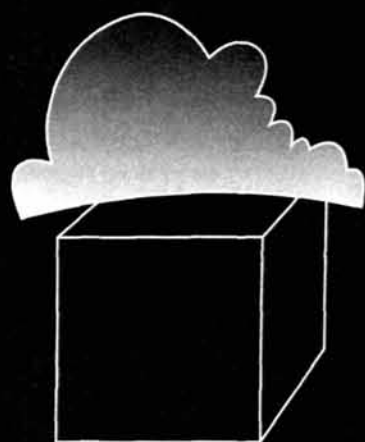
Thus far, Zue said, the committee has been interviewing faculty and researchers, and meeting with the labs' administrative staff. He said that the feedback from graduate students was especially valuable because it helped "provide a different perspective."

"The nice thing about talking to the graduate students is that in some way they are down in the trenches," Zue said.

While no students are directly serving on the committee, Rivest said that "the students are well in the loop."

Zue said that Magnanti specifically requested a two-phase approach, first deciding whether or not to maintain the two labs as they are now before the end of term. If the committee decides to reconfigure the labs, more detailed discussion would then begin on exactly how to do so. Magnanti could not be reached for comment.

The Stata Center will also house the Laboratory for Information Decision Systems and the Department of Linguistics and Philosophy.

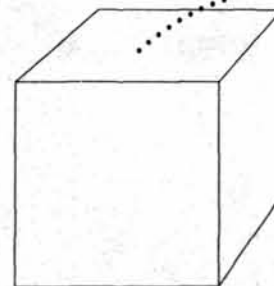


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Can't sleep?
Can't concentrate?
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weekday 2-4 pm walk-in hours.

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617.253.2916

It's smart to reach out.



AXO Lip Sync Marks Beginning of Spring Weekend

Spring Weekend, from Page 1

the stage setup, Sugar Ray will play at approximately 9:30 p.m.

Security for the event will be controlled by the Campus Police and a group of student volunteers. Attendees will have to pass through a metal detector before entering Johnson. Due to construction of the Zesiger Sports and Fitness Center, spectators must enter Johnson directly across from the turf.

"The production this year is going to be amazing, and I can assure you people will be impressed," Jonas said. "If it's any reflection, the amount of power required to feed the lighting for Sugar Ray is twice that from previous years."

Class Wars make a big comeback

On Saturday afternoon, MIT will witness its first Class Wars since 1968. The event, sponsored by the class councils, will take place behind Kresge Auditorium and will involve a series of competitions among the four undergraduate classes and a team of graduate students. There will also be a free barbeque following the competitions.

"Everyone is encouraged to come and watch even if they haven't signed up," said event organizer Reuben L. Cummings '04. "Not all the spots for the competitions have filled up, so we'll probably draw on people from the audience to participate."

The competition events include a pie-eating contest, a tug-of-war, jousting, a relay race, and a "chubby bunny" marshmallow-eating contest. The winning class will get a trophy.

Cummings said he hopes that this will become an annual Spring Weekend event. "This is something I did in high school," Cummings said. "I wanted to bring it to MIT."

So far, around 100 people have signed up to participate in the event, and Cummings expects to see about 100 or so from each class. "I'm hoping that the free food will draw a lot of people to come," he said. "Everyone should come and have fun watching their fellow classmates embarrass themselves."

Lip Sync raises funds for charities

There were 15 acts in this year's AXO Lip Sync contest, including 12 competing groups and three acts performed by members of AXO. Prizes were given out for best overall act, best small act, most comedic act, most creative act, and best choreography.

Sigma Nu won overall with "Pulp Fiction," a rendition of scenes from the Quentin Tarantino classic. Phi Sigma Kappa claimed the prize for the most creative act with "It's a Small World" and Alpha Chi Sigma "and a friend" won best small act with their dance "This Guy Goes to Lab." The cast of Next Act from Next House won most comedic with "A Secretary is Not a Toy," a number from the play *How to Succeed in Business Without Really Trying*. A group of friends led by choreographer LeeAnn E. Hastings '04 won best choreography with a dance entitled "Sync or Swim Part II: The Drowning."

"We hope to raise about \$2,500 for our two charities, Transition House and McDowell Colony," said event organizer Sarah F. Funderburk '04. "This year we were able to work very closely with the Spring Weekend Committee, which allowed us to get prizes from Sugar Ray and Spin Doctors for the audi-

ence and competing acts."

The organizers stressed the importance of community support in making the event an annual success. "One necessary element for organizing a successful show is to provide prizes for the competing acts and gifts for volunteers," said Kimberly Chao '04. "We received donations from approximately 50 local area and corporate businesses for this cause."

International Fair today

The annual International Fair is the biggest event organized by the International Students Association. This year's I-Fair will take place on Friday between 11 a.m. and 5 p.m. on Kresge Oval.

"The I-Fair gives most international clubs of the MIT community the chance to present a little piece of their culture," said Sisi Liu '05, one of the event organizers. "This is usually something to show their country, habits, and traditions."

There will be more than 40 international clubs representing over 100 countries participating in the fair by sponsoring a booth, performing a cultural dance, or participating in the fashion show, the event's organizers said.

"The purpose of this event is to enhance interaction among international students at MIT with one another and with their new environment," Liu said.

The ISA provides a booth for every club to show pictures, distribute maps and guides, play music, and sell or give away food. Clubs will present traditional costumes at a fashion show. Some groups have also prepared performances, such as dances, music, and sword-fighting.

The various event organizers for Spring Weekend said they were excited about attending the other weekend festivities.

"For the rest of the Spring Weekend, I plan to just relax and enjoy myself with the music from Sugar Ray, the fun in Class War, the free food at the barbeque, and the dance at MacGregor's 'Get Sprung' Party," Liu said.

"I think getting rest on Saturday is my first priority," Jonas said. He has been putting in 100-hour weeks organizing the Spring Concert. "I hope to observe the Class Wars, go to the barbeque, and even maybe check out the Panhel Carnival."

Solution to Crossword

from page 9

B	A	T	A	F	O	R	E	R	A	B	I	N
E	R	A	U	R	G	E	D	E	R	O	D	E
N	I	C	K	F	A	L	D	O	T	U	B	E
T	A	T	E	N	E	O	S	U	B	B	E	D
	Y	A	K	S		S	P	R	A	Y		
E	S	T	E	R	S		A	M	E	N	J	E
G	L	I	D	E		B	R	E	N	T	O	R
A	U	G	U	S	T	A	N	A	T	I	O	N
D	E	E	P		H	A	I	R		G	U	E
S	S	R		L	Y	L	E		H	O	R	S
	W	H	A	M	S		P	E	R	I		
E	L	O	I	S	E		P	E	A		S	W
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L	E	D	G	E		T	A	S	T	E		D
E	S	S	E	S		D	R	E	S	S		E

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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.

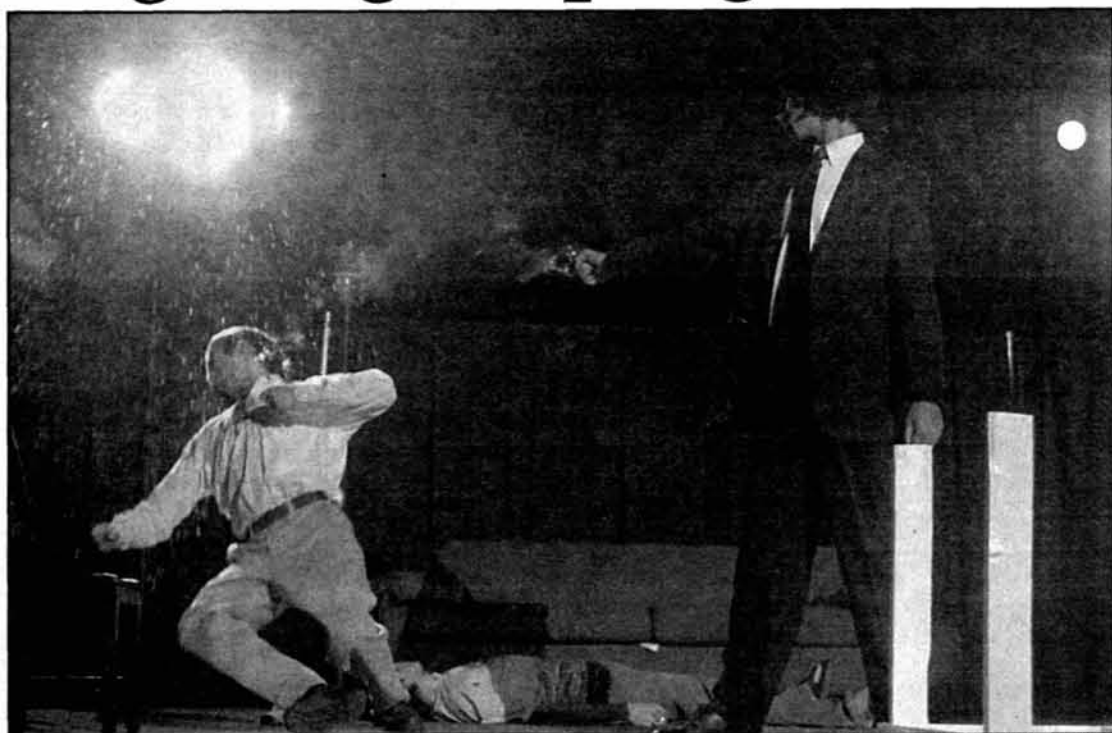
Royal Bengal Rest.

313 Mas. Ave. P:617.491.1988
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Have a nice
Spring Weekend!

From your friends in the
Production department

join@the-tech.mit.edu



Siddharth K. Bhola '05 shoots David J. Reinharth '03 during Sigma Nu's "Pulp Fiction" act in the Alpha Chi Omega Lip Sync competition held in Johnson last night. "Pulp Fiction" won the overall competition.

MOTORCYCLE OPERATOR LICENSE

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This space donated by The Tech

Coop Student Board Election

FINAL RESULTS!

The following student Coop members have been elected to the Coop Board of Directors for the 2002-03 academic year.

M.I.T. UNDERGRADUATE AND GRADUATE STUDENTS:

Michael Leison (Graduate)
Pius Uzamere (Undergraduate)
Paul Konasewich (Graduate)

HARVARD UNDERGRADUATE STUDENTS:

Oliver Bell Adam Gordon
Alexander Mittendorf Andreea Stefanescu

HARVARD GRADUATE STUDENTS:

Yael Hadass GSAS Heidi Brooks HBS
Rodrigo Ravilet HBS Roger Huffstetler GSAS



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spring 2002

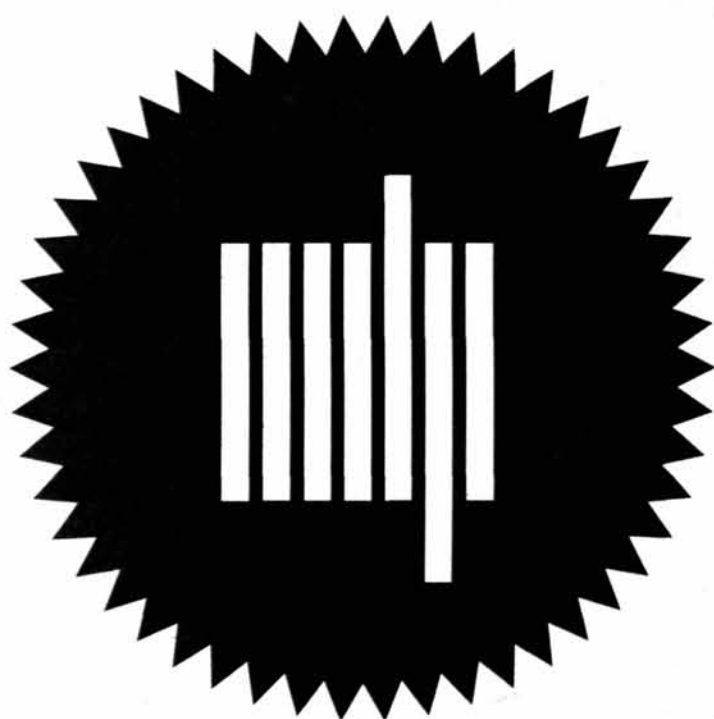
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Group Accepts Plan, Upset About Closure

Commencement, from Page 1

commencement to engage in conversations about the broader topics of capacity building and economic and educational development of nations and lands, including the role of globalization. ... I will join the members of the MIT community in listening critically to Mr. Wolfensohn's address and in synthesizing my own view on his remarks."

Students upset over compromise

Members of the group Students for a Democratic Commencement said they were disappointed with the decision to alter their proposal. "While we respect the administration's attempt at accommodation on this issue, clearly they don't understand the meaning of the word 'forum,' and collectively we cannot endorse such a proposal," Mendiratta said.

"We do not think the discussion with Mr. Wolfensohn should not happen, just that it's pathetically insufficient," said SDC member Julia M. Steinberger G. "How can our groups endorse it, when not everyone in our groups [will be] invited?"

Members also say they are upset that the forum is set up in an undemocratic fashion, paralleling it to the selection of Wolfensohn as commencement speaker. "It seems that the MIT administration is suffering from World Bank syndrome," said Steinberger. "This event is for a few, while the majority are not asked their opinion."

The administration is also meeting with more public criticism. Vest currently leads the Big Screw competition for his decisions on commencement by approximately \$100 as of Thursday.

Kolenbrander acknowledged the

students' complaints, and said he realized that not everyone would share his objective of having Wolfensohn engage in "shared dialogue" with the student body while at MIT. "The constraints on the event give it the best possible chance of creating a true dialogue that will be much different than facing a crowd of 2000," he said.

Kolenbrander said that students would provide leadership for the discussions in deciding the format and makeup of the two panel discussions.

SDC to lead forum organization

Though upset with the overall decision, SDC has decided to assist in the panel's selection process.

"We would like to propose a selection process that is truly democratic and truly represents the diversity of this campus, rather than hand picking participants based on who knows whom," Parekh said. "In addition, so that a larger number of MIT's community can benefit from this conversation, we insist that there be representatives from the media in the room to report on the event."

Steinberger said the students hope to "assemble a diverse group of students, representing the many countries the World Bank has had an impact on."

Those who are interested in being a member of the panel can e-mail nowb@mit.edu for further information.

"I'm grateful for the willingness of students toward creating dialogue," Kolenbrander said.

The SDC is also planning creating the earlier forum. "We are working with the administration to plan a large open event showing the different aspects of the new global economy," Steinberger said.



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9PM to 9AM
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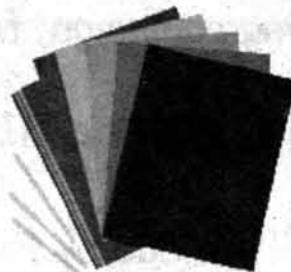
europa australia new zealand america canada

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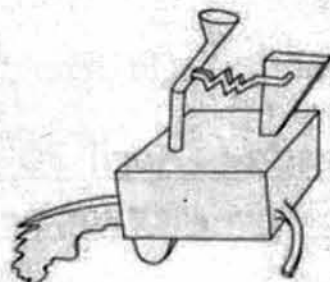
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Administrators Still Optimistic for Reduced Crowds

Housing, from Page 1

concentrated, such as MacGregor House and Next House.

Administrators remain confident that all conflicts will be resolved before next fall. "We had a rough opening," said Dean for Student Life Larry G. Benedict, who attended the meeting. "Simmons Hall has done an excellent job recruiting upperclassmen. The new graduate dormitory, Sidney-Pacific, is on track to open. Considering the mix of sorority women and the rising seniors that will be relocated to graduate housing and the number of incoming freshmen, we should be able to accommodate everyone. We hope to solve overcrowding issues by next fall."

Senior segue comes up short

However, in response to receiving only 71 transfers to graduate dormitories through the segue plan, including the sisters of Kappa Alpha Theta, the deadline for juniors interested in applying to the program has been extended.

Sanith Wijesinghe G, incoming Graduate Student Council president, said that the deadline has been extended to next Saturday. However, there are other estimates of the exact closing date. He expected the lottery to remain open until 100 slots are filled, even if the deadline must be further extended beyond Saturday.

In order to attract more seniors next year, Wijesinghe said that MIT will offer singles to residents who apply.

Moves shift balance of classes

The class distribution in campus housing caused by the moves to Simmons and graduate dormitories may affect dormitory life, say some student leaders.

"The number of freshmen in

some dormitories will be heavy," Cain said. "MacGregor and Next House will be the hardest hit. A lot of people are moving to Simmons and to graduate dormitories."

"We don't know how the system will react yet," said outgoing UA President Jaime E. Devereaux '02. However, she hoped that moves to fraternities and more on-campus transfers "may alleviate some of the pressure."

Devereaux estimates that the percentage of freshmen at hard-hit dormitories could approach 40 to 50 percent.

Meeting attendees optimistic

Many of the student leaders who attended the meeting also felt that the overcrowding problems could be solved. "Uncomfortable crowding should be eliminated even by the numbers we have now," Devereaux said.

Devereaux, Benedict, and others are adamant that the crowding situation will not lead to crowded MacGregor lounges or quintuples in Baker House and New House.

Graduate students will also be getting 650 more beds, Benedict said, despite the Senior Segue. "Even with 100 graduate spots being filled with undergraduates, graduate students will see a significant increase in housing opportunities" because of new construction, Benedict said.

Simmons GRTs announced

While many current students know they will be living in Simmons next year, preparations for the dormitory continue. Graduate Resident Tutors have been selected, and the exact number of MIT students moving to Simmons Hall is being finalized.

Three of ten Simmons GRTs are currently associated with other MIT dormitories. Susan M. Dacy G,

Tamara S. Williams G, and Robinn N. Chapman G are from Burton Conner, McCormick Hall, and New House, respectively. Seven other GRTs were chosen from a pool of applicants submitted to the office of Residential Life and Student Life Programs by a special Simmons committee. The other GRTs include Keith A. Bonawitz '02, Kevin R. Lang '02, Todd P. Coleman G, Sheila N. Tandon G, Mario Valenti G, and Xiaomin Mou G.

"According to recent estimates, Simmons Hall will be housing 241 current MIT students," said Denise A. Vallay, manager of undergraduate residential services. "There are a total of 341 spaces open." The remaining spots will be designated for incoming freshmen.

Despite the imbalance of freshmen, those working on Simmons planning for the fall are happy with the results. "We were successful in attracting more than our original goal of 225 upperclassmen," said Ross E. Benson '03, chair of the Simmons Steering Committee Chair. "I think we got a lot of people who wanted to live with their friends and create their own community."

Weisskopf Regretted Bomb Work

Weisskopf, from Page 1

helpful audience for our ideas ... [forcing] us to give physical arguments for everything." He became, reluctantly, a co-author on their paper, but worried that he was "overshadowing young people." In typical self-deprecating style, Weisskopf said he contributed to the "don't know-how" of the paper.

Weisskopf was known for a sense of the beauty of physics, and once compared the Big Bang model to a Haydn concerto. "That was

Members of the committee are now busy working on several other issues regarding the dormitory. Benson said the committee is now drafting a constitution, meeting with the Athletics Department to work out a plan for a pathway through the field to improve access to Amherst Alley, and working on dining and rooming issues. Students are also working on details of a visiting scholars program. Faculty members will be invited to live in the dormitory and participate in the dormitory's community by giving lectures on both academic and non-academic issues.

New lottery system implemented

A new lottery system has increased efficiency of house-to-house switches, Vallay said. "Ninety-seven percent of 396 house-to-house switches received their first choice," she said, while last year only 60 switches were made. However, this move did not include the moves to Simmons.

Tony Gray, a current MIT Residential Life Associate, was responsible for writing a new algorithm for dealing with the situation. Vallay said Gray's algorithm automates

many procedures that were originally dealt with manually.

KAT moves to Sidney-Pacific

"Approximately 20 to 25 sisters of the KAT sorority will be moving to the new graduate dormitory, Sidney-Pacific, next fall," said Sheila Viswanthan '02, KAT president. This number fit with initial administration plans.

KAT is one of two sororities without permanent housing. "Everything has been going really well," Viswanthan said. "We're really happy with the way the administration has been helping out. We will be living in one cluster in the dormitory."

A few issues are still under consideration. "We will see if we can get our own GRTs. Rates will be comparable to current undergraduate housing fees," Viswanthan said.

However, one KAT sister, Jennifer Ying '05, planned to move to Sidney-Pacific but was deterred. "I contacted members of the house government about being involved in a leadership position. However, I was told that they were only available for graduate students."

Viki in his rhapsodic mode," Jaffe said. He also cared about MIT's students. Negele explained that Weisskopf would give "warm-up lectures," before colloquia to help give graduate students background for the main presentation. And when others were afraid to ask a basic question during a talk, "Viki would ask it," Negele said.

Weisskopf received numerous honorary degrees, including the National Medal of Science in 1980 and the Wolf Prize in Physics in 1981. In 1975 Pope Paul VI

appointed him to the Pontifical Academy of Sciences.

His research covered some of the most basic issues in theoretical physics, such as a then-heroic calculation of the electron self-energy. "He helped invent [quantum] field theory," a staple of high-energy physics, said Professor Jeffrey Goldstone of physics.

He is survived by his wife, Duschka Schmid, a daughter, Karen Worth, a son, Thomas, and five grandchildren. He will be buried at the family's summer home in Paris.

Design a Media Campaign...

...Win \$1,000!

MIT Medical and the Office of Community Development & Substance Abuse programs (CD|SA) are offering MIT students the opportunity to design a campus-wide social marketing campaign, focused on health issues.

****You (or your team) must be MIT students to enter the contest****

****All entries will be due by Friday, June 7th (after Finals)****

All interested students should attend the informational meeting on

Tuesday, April 30th at 5:00pm

Student Center-Mezzanine Lounge (W20-307)

For further information, please contact the Office for Community Development & Substance Abuse programs 3-3276 or kstepan@mit.edu

If you are interested in the contest, but unable to attend the informational meeting, please contact Kimberly Stepan kstepan@mit.edu

New Mental Health Services Announced

MIT Mental Health Services recently began a new program called "Talk to Us" as a part of an \$838,000 mental health plan.

News Briefs

In addition, students will be given an appointment with a clinician within a week of their initial phone call.

Talk to Us is one of many changes that were recommended by the Mental Health Task Force five months ago. Other changes include hiring four new mental health clinicians and improving the image of Mental Health Services on campus.

"My impression is that people are finding it helpful early on. Someone gets back to them later that day, gets some basic information about what kind of problem and what kind of services might be necessary," said MIT Medical Director Dr. William M. Kettyle of the Talk to Us program.

Bradley T. Ito '02, a member of the Mental Health Task Force, said that the new

changes were "good", but not all of the task force recommendations have been put into place.

"The services are showing a genuine effort to help improve things. ... There's still more work to be done," he said.

Few Details Known In Tech Investigations

Almost four months after The Tech first learned of irregularities in its credit card merchant transactions, little is publicly known from the continuing investigations into the apparent theft of tens of thousands of dollars from the organization's since-closed outside bank accounts.

Members of the organization's managing board gave a preliminary figure of \$50,000 for the amount of money thought to have been taken by way of a refund feature of the group's credit-card point-of-sale terminal. The Tech's annual operating budget is approximately \$400,000.

The Campus Police and an investigatory committee created at a February meeting of The Tech's managing board are the two bodies at MIT conducting investigations of the loss, said Tracy F. Purinton, the assis-

tant dean for student activities.

Declining to comment on disciplinary matters, Assistant Dean Carol Orme-Johnson said, "There may be some criminal charges if the thief is identified." Orme-Johnson said she did not know whether either investigation had any suspects in the case.

Those involved with both investigations have been unwilling to discuss their progress, causing some members of The Tech's managing board to express frustration with the pace of the inquiries.

The investigatory committee, consisting of three editors and the organization's newly elected chairman, Rima A. Arnaut '02, defended its practices. Recovering the stolen money is "one of our goals," said Sandra M. Chung '04, an arts editor and member of the committee.

"Releasing any information has the potential to compromise the investigation," Chung said. "We're not going to go case by case ... to evaluate, [for] every piece of evidence, whether it would hurt the investigation."

Business Manager Rachel R. Johnson '02 said that in addition to the theft, The Tech's "financial troubles are also [because] we didn't make as much last year, because Sept. 11 was right before the career fair, and we get a good fourth of our revenue on

those two issues."

—Keith J. Winstein

Inventor Kamen Wins Lemelson-MIT

Dean Kamen, founder of the national nonprofit organization For Inspiration and Recognition of Science and Technology (FIRST) and inventor of the Segway Human Transporter, has received the world's largest award for invention. He plans to donate all of the \$500,000 Lemelson-MIT Prize to his brainchild, FIRST.

"I can't think of a more deserving innovator to celebrate. He is a true role model for young people," said MIT Professor Merton C. Flemings of material science and engineering to the MIT News Office.

The Lemelson-MIT Program was founded in 1994 by Jerome H. Lemelson to encourage invention and innovation among young people.

Ruth Rogran Benerito, who won the Lemelson-MIT Lifetime Achievement Award, invented wash-and-wear fabric. She also encourages innovation in young people, saying she spent much of her career teaching "for education's sake."

—Richa Maheshwari

Sugar Ray Spin Doctors

Tickets On Sale Now.

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\$12. April 26, 2002.

<http://web.mit.edu/spring/>

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New Date!

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9pm - 1am

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Class of 2004

M.I.T. Summer Softball
2002

Organizational Meeting
New Team Entries Accepted

Wednesday 1 May
5:30pm
Student Center
Room 491

For more information, contact:

Shawn Hillier, MITCSS Coordinator
MIT Rm. 56-686, x3-6207, mare@mit.edu

Mark Throop, MITCSS Commissioner
Messages: 283-3670, mthroop@rcn.com

MIT Department of
FACILITIES
CAMPUS CONSTRUCTION UPDATE

Stata Center
Beginning Monday, April 22, the pedestrian path that leads from the underpass at Building 26 and heads east around the Stata construction trailer will be closed to allow for crane access to the area. Signs will be installed to detour pedestrians to their destinations.

Zesiger Sports & Fitness Center
Coordination and installation of ceiling mechanical systems is in progress. Dry wall framing work and rough plumbing are in progress on all floors.

Dreyfus Chemistry Building
Fume hood testing and repair work to exterior concrete façade are in progress. During the week of April 22-26, electrical service to laboratory outlets will be shut off between 6 and 9:30 a.m. This work is required to transfer service from existing temporary feeders to the permanent distribution system.

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. Parking spaces will be made available in the CRA lot on the corner of Main and Ames streets.

Memorial Drive Traffic Signals
The Traffic Lights at Wadsworth and Endicott Streets are fully installed. Testing of the signals is now underway. Landscape work will begin later in the spring.

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

MIT Hillel invites you to hear the award-winning pioneer in cancer research speak about ...



“Jews and Genes:
A Look at Our Origins”

Dr. Robert Weinberg
MIT Professor of Biology

Monday April 29, 2002
Free dinner with Lecture
6pm-7pm
Ashdown West Dining Rm, 305 Memorial Dr.

Weinberg, winner of the 1997 National Medal of Science, earned his PhD in biology from MIT in 1969. He was appointed a professor at MIT in 1982, the same year he joined the Whitehead Institute. Weinberg was named American Cancer Society Research Professor in 1985 and received the Daniel K. Ludwig Professorship for Cancer Research in 1997. He is a fellow of the American Academy of Arts and Sciences and a member of the U.S. National Academy of Sciences.

Sponsored by MIT Hillel, for info. 617-253-2982

Volunteer for the MIT/Cambridge Science EXPO!
Monday, May 6, 1-6 PM
Johnson Athletic Center



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Show them MIT and help them
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To volunteer, contact Sebastian Gutierrez at sebg@mit.edu

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Softball A League

Affiliation	Team	W	L	T	PF	PA
CP	Chi Phi	4	1	0	77	58
ATO	ATO	3	0	0	29	16
SLN	Sloan A1	2	1	0	38	27
LUCH	Luchadores	2	3	0	56	63
DTD	Delts	1	0	0	13	9
SLN	Sloan A2	1	1	0	22	29
TANG	Tang Hall	1	2	0	39	37
DKE	DKE	1	2	0	26	37
CHEE	ChemE - A	1	4	0	52	58
DU	Delta Upsilon	0	2	0	7	25



Softball B League

Affiliation	Team	W	L	T	PF	PA
ZP	Zetes	4	0	0	44	13
ZBT	Zebes	4	1	0	77	56
IND	Jedi Knights	3	0	0	30	13
KS	B1	3	1	0	61	47
PSK	Phi Sigma Kappa	3	1	0	34	27
CHEE	ChemE - B	3	1	0	28	25
KS	B2	2	0	0	39	21
PKT	Dodgers	2	1	0	49	28
PHYS	The Matter Smashers	2	1	0	40	21
TC	Theta Chi	2	1	0	42	39
NEXT	Next House	2	1	0	37	35
SN	Serpents	2	1	0	37	17
PKS	The Skulls	2	2	0	37	24
MSE	HazMats	2	2	0	55	37
LUCH	Lucha - B	2	2	0	35	41
ND	Nu Delta	2	2	0	36	51
SLN	Sloan B	1	1	0	29	22
AA	BostonBombers	1	2	0	55	56
CC	Chocolate City	1	2	0	24	24
ADP	ADPMS	1	2	0	37	44
AEPI	Lions	1	2	0	39	51
SC	Sigma Chi	1	2	0	14	36
ND	Bulldozers	1	3	0	36	59
PDT	Slapaho Tribe	1	3	0	41	66
BAK	Baker	1	3	0	42	74
MGG	Gentry	1	4	0	40	43
TX	Theta Xi	0	2	0	23	36
EC	Swingers	0	2	0	6	20
IND	Big Diggers	0	3	0	0	0
BTP	Betas	0	4	0	20	49



Softball C League

Affiliation	Team	W	L	T	PF	PA
ZP	Coed Naked Softball	2	0	1	55	28
AI	AI/LCS	2	0	0	26	20
LLUA	BioGrad	1	0	0	24	8
SC	Sigma Chi	1	0	0	17	2
PLP	Pi Lambda Phi	1	1	0	40	20
AEPI	AEPI/CONS	1	1	0	0	0
IND	Newman Lab	1	1	0	12	12
TECH	Tech Softball	1	1	0	22	32
ALUM	MIT COB	0	1	1	12	12
NH4	Warriors	0	0	0	0	0
BEH	Stumbly Wumbles	0	1	0	13	16
ZBT	Bling Bling	0	1	0	2	17
IND	Murderers' Row	0	1	0	8	24
IND	Wellesley College	0	2	0	10	24
MG	MacG D/E/J	0	2	0	6	32



Octathon A League

Affiliation	Team	W	L	T	PF	PA
ATO	Gold	6	3	0	895	415
DTD	Delts	4	4	0	684	738
DU	Ducks	4	4	0	669	767
CHEE	Chemical Engineering	2	6	0	520	948

Intramural Standings



Octathon B League

Affiliation	Team	W	L	T	PF	PA
TANG	Tang Hall	4	3	1	750	598
SN	Serpents	3	5	0	712	843
ZBT	Bling Bling	5	3	0	801	542
ZP	Zetes	6	1	1	988	437
CP	Chi Phi	2	6	0	553	907
ATO	Blue	4	4	2	640	682
DKE	DKE	5	5	1	67	628
BAK	Baker	1	10	0	195	1069
KS	Kappa Sigma	7	1	0	1041	464
BUR1	Burton-Conner	2	5	1	548	850
PSK	Victory or Death	4	4	0	768	741
EC	East Campus	2	7	0	374	991



Unihoc A League

Affiliation	Team	W	L	T	PF	PA
SN	Sigma Nu	3	1	0	18	14
ZP	Zete A	2	0	0	10	6
ATO	ATO A	2	1	0	15	11
PSK	Phi Sig Unihoc Experience	1	0	0	5	1
EC	East Campus A	1	3	0	20	17
ND	Nu Delta	0	1	0	2	8
PHYS	Annihilators	0	3	0	9	22



Unihoc B League

Affiliation	Team	W	L	T	PF	PA
ZBT	ZBT	3	0	1	26	14
AEPI	Lions B	3	0	1	24	15
ATO	ATO B	3	1	0	22	14
NHS	New House 5	2	0	1	22	11
BUR1	Burton One-Timers	2	1	0	9	9
SC	Sigma Chi	1	2	1	20	22
BAK	Baker	1	2	1	18	30
NEXT	Next House	1	3	0	16	21
AICS	LogSpace	0	1	2	8	13
BUR4	Burton 4	0	2	1	13	19
CHEE	Flyers	0	4	0	15	25



Unihoc C League

Affiliation	Team	W	L	T	PF	PA
EC	East Campus C	4	1	0	25	16
ZP	Zete C	3	1	1	33	26
AEPI	Lions C	2	2	0	18	22
MGJ	J	1	2	1	12	15
PARS	Hydros	0	4	0	16	25



Ultimate A League

Affiliation	Team	W	L	T	PF	PA
EC	Fred the Team	3	1	0	38	25
PSK	Red Rebels	2	1	0	25	21
TX	The Flying Taxis	2	1	0	22	24
ZP	Ultimatum	1	2	0	23	24
ZBT	Nothing Beats Rock	1	3	0	31	38
IND	Galactic Aardvarks	0	1	0	3	10



Ultimate B League

Affiliation	Team	W	L	T	PF	PA
CHEE	Chem Eng	2	0	0	25	9
ZBT	Paper Covers Rock	2	0	0	19	11
ADP	Da Frizz	1	0	0	0	0
DTD	Delts	1	0	0	0	0
AI	Throws of Passion	1	0	0	0	0
MGG	MacGregor All-Stars	1	0	0	0	0
CP	Chi Phi	1	0	0	0	0
SC	Sigma Chi	1	0	0	8	5
PHYS	Spinnors	1	1	0	17	11
DUSP	Goatherders	1	1	0	0	0
NEXT	Ferocious Elephants	1	1	0	14	16
EC	Fredsbee	1	1	0	7	5
BUR2	BC United	0	0	0	0	0
AEPI	Lions	0	1	0	6	9
AA	Flying Squirrels	0	1	0	7	10
IND	Super Schmoo	0	1	0	5	8
IND	Swanky Sailors	0	1	0	0	0
ASH	Ashdown	0	1	0	0	0
BAK	Ultimate Baker	0	1	0	0	0
KS	Kappa Sigma	0	1	0	0	0
TC	Theta Chi	0	1	0	2	11
TEP	Suckdogs	0	2	0	7	22



Ultimate C League

Affiliation	Team	W	L	T	PF	PA
HIL	Hillel Jews	2	0	0	18	7
ZBT	Switzer's Bastard Children	2	1	0	21	17
S/Z	Co-ed Naked Ultimate	1	0	0	10	3
BEH	Junior Varsity	1	0	0	8	4
MGE	Disc Defragmentors	1	0	0	7	5
NEXT	The Floating Goldfish	1	1	0	13	13
BUR1	Burton 1	1	1	0	14	16
PSK	Boys in Blue	0	0	0	0	0
RAND	Random Hall	0	0	0	0	0
EC	Disc Jockeys	0	0	0	0	0
MGJ	Make the Pie Higher	0	1	0	4	8
BUR4	Burton 4	0	1	0	3	10
ET	Epsilon Theta	0	2	0	7	13
NEXT	Nike Air Next	0	2	0	9	18



Bowling

Affiliation	Team	W	L	T	PF	PA
ZBT	Old And/Or Bitter	3	0	0	16	2
ZBT	The Gun Show	3	0	0	16	2
BAK	Baker	2	1	0	14	4
BTP	BETA 2	2	0	0	10	2
ZBT	The Nublistimos	2	1	0	10	8
BTP	BETA	1	0	1	7	5
PBE	Team Tigol	1	2	0	8	10
PHYS	The Spin Doctors	1	2	0	6	12
ZP	Zetes	1	2	0	6	12
TX	Theta Xi	0	3	0	4	14
DTD	Delts	0	2	1	3	15
IND	Null	0	3	0	2	16



Pool C League

Affiliation	Team	W	L	T	PF	PA
ASH	Ashdown	6	0	0	13	1
CP	Chi Phi C	4	1	0	9	6
MCC	McZete	3	1	0	6	6
EC	Tetazoo	2	1	0	3	3
ZBT	Schnoodlers	2	4	0	9	9
EC	Pool Heads	1	2	0	1	5
TC	Theta Chi 2	1	2	0	3	3
AXO	Coed Naked Billiards	1	3	0	4	5
SK	all StarZ	1	4	0	5	10
SN	Serpents	1	4	0	3	8

A League Team Billiards

1	PDT's Blaze Alaska (6-0)	BYE	PDT Blaze Al.
BYE	34-30	BYE	
5	PKS 1 (4-2)	2-1	PDT Blaze Al.
4	TX's Rollin in Doh (4-2)	3-0	TX Rollin in Doh
3	AEP's Snipers (4-2)	3-0	ZP Orient Exp.
6	ZP's Orient Express (3-3)	2-1	ZP Jiggypuff
BYE		BYE	
2	ZP's Jiggypuff (5-1)		

B League Team Billiards

1	ADP's Team Dragon (6-0)	ADP Dragon	BYE
BYE		BYE	
8	AEP's Magic Pi Ball (4-2)	2-1	ADP Dragon
9	Next House Bank Robbers (3-3)	2-1	Next House
5	PKT's Ball Smackaz (4-2)	3-0	PKT Ball Smackaz
12	ZBT's Schtookers (3-3)	2-1	AI/LCS Markov
4	Phi Kappa Theta (4-2)	2-1	AI/LCS Markov
13	AI/LCS' Team Markov (3-3)	2-1	AI/LCS Markov
6	ZP's Arby Eyes (4-2)	3-0	ZP Arby Eyes
11	Big Diggers (3-3)	2-1	AI/LCS Lyaponov
3	AI/LCS' Lyaponov (5-1)	2-1	AI/LCS Lyaponov
14	Theta Chi (3-3)	2-1	AI/LCS Lyaponov
7	Phi Sig B (4-2)	2-1	Phi Sig B
10	PKS 2 (3-3)	2-1	ZP Kimmy
2	Chi Phi B (5-1)	2-1	ZP Kimmy
15	ZP's Kimmy (3-3)	2-1	

Women's Tennis Beats Brandeis

Tennis, from Page 24

opponent away 6-2, 6-2.

Trinity edges MIT by one match

The next day, Trinity proved a much tougher opponent for MIT, but the Lady Engineers did not give in easily, with half of the singles matches going into three sets. The ultimate score was 4-5, but matches were close enough that they could have gone either way. Doubles started off on an optimistic note, with Koo/Egloff winning 8-4. Despite well placed shots and power, Hsing/Rayej lost 8-6. Hall/Tien won 8-5 in a tight match that involved the highest amount of focus and patience.

Singles proved to be a tougher battle. Rayej was up 6-1, 3-2, and then her opponent was intimidated into retiring. Koo was relentless and won 6-2, 6-0. Egloff fought hard,

but lost narrowly 6-1, 0-6, 0-2. Similarly, Tien lost in three sets 6-4, 2-6, 3-6. Despite Hall's unremitting patience, she lost 3-6, 4-6. Cichon put up a strong fight, but also lost 6-1, 3-6, 3-6. Hsing and Lee both were relentless, but also lost.

Bowdoin wins after draining loss

After two tough matches, MIT went on to face Bowdoin the next morning, and despite having the shots, the power, and the focus, they didn't have the energy and were defeated 3-6. Again, doubles started out well, with Koo/Egloff winning 8-4 and though Hsing/Rayej lost 6-8, Hall/Tien won 5 games in a row from being down 4-7 to win 9-7. On the next court, Cichon/Selbst won 8-4.

SPORTS

Taekwondo Takes 5th at Yale Tournament

By Christina Park

TEAM CAPTAIN

On April 14, MIT's Sport Taekwondo Club took fifth place at Yale University in the last Ivy/Northeast Collegiate Taekwondo League tournament of the year. MIT finishes the season fourth in the league.

In forms competition, Baochi T. Nguyen G started off the points tally by placing first in the women's green/blue belt division.

Having recently been promoted into the intermediate division, Vladislav Y. Gabovich G also placed first in the men's green/blue belt division.

As the sparring competition began, two blue belts, Nguyen and Melissa M. Barbagelata G, stepped up to fill out a women's black belt "A" team with Tiffany A. Kanaga '04. They were seeded into the quarter-finals where they advanced past New York University into the semi-finals. Though at a height disadvantage, Nguyen did not allow

her opponent to score to the head once.

Kanaga fought a tough match, keeping the score close, but also lost to the middleweight. The team decided to forfeit Barbagelata to save her for the intermediate matches later in the day, and finished in third place.

Gabovich fights back for 'A' team

Though they did not place, the men's "A" team (Alp Simsek '04, Timothy R. Kreider '04, Gabovich) exemplified the spirit of taekwondo

in their matches. They advanced easily past Columbia in the first round, then faced Yale A1. Though Simsek and Kreider fought well, the light and middleweight matches were dropped to eliminate the team in the quarter-finals.

Nevertheless, Gabovich sparred against the skilled Yale heavy-weight black belt. His lack of experience proved to be difficult in the first round, as his opponent scored first, then continued to aim for the head. Things looked bleak, particularly when Gabovich lost his balance and then was kicked hard in the face, resulting in a bloody nose and a call to the medics.

The concerned medic took Gabovich aside and asked if he knew where he was, to which he replied, "I'm in ring three at the Yale taekwondo tournament, and I've got a match to win." Upon re-entering the ring, he immediately knocked his opponent backward with a strong back kick. From that point onwards, he dominated the match with renewed determination, coming from behind to tie the score 4-4. True to his word, Gabovich received the decision of aggression and won the match for the team.

Park heads to national trials

While the team was in Connecticut, club president Christina S. Park '02 traveled to Kansas City, Mo., to represent MIT in the National Collegiate Team Trials. Invited students competed for a spot on the National Collegiate Team who will represent the country in the World University Taekwondo Championships this June.

Due to seeding in this double

Taekwondo, Page 23

Women's Tennis Wins Two, Loses Two

By Caroline Tien

TEAM MEMBER

The MIT Women's Tennis team is about to wrap up the spring season, after facing Bates College, Trinity College, Bowdoin College, and Brandeis University in the past two weeks.

On April 5, MIT played Bates College. The Bobcats were no match for the Lady Engineers though, with MIT sweeping them away 9-0. The doubles matches were swiftly won, with the team of Julie J. Koo '03 and Larisa M. Egloff '04 along with the team of Ann Hsing '02 and Shima Rayej '04, each winning 8-4 while alongside them, Jessica A. Hall '02 and Caroline Tien '04 pummeled their opponents away 8-1.

In the singles matches, Bates was again not up to the task. Rayej used her two-handed forehand to win 6-1, 6-1. Koo also won easily, 6-2, 6-0, using a fine combination of power and touch. Despite a tough first set, Egloff kicked it up a notch in the second set to win 7-6, 6-1. Likewise, Tien won 6-4, 6-1. On the next court, long patient rallies were exchanged with Hall ultimately winning 6-4, 6-4. Cichon stepped up to the challenge to win 6-4, 6-2 and Selbst easily put her

Tennis, Page 23



Baochi T. Nguyen G prepares to score with a turning kick in her lightweight match on April 14 at Yale University.

Men's Ultimate Misses Yale Playoffs

By Edmund Chou

TEAM MEMBER

MIT's Men's Ultimate team failed to reach the championship round of the Yale Cup Sunday, winning the consolation match 15-13 over Salisbury State College.

The team entered the tournament seeded fourth of five teams and needing a third place finish to qualify for the winner's bracket on Sunday. MIT would face two 2001 national qualifying teams: Tufts and Harvard, then Dartmouth, another strong team in the New England Region. Finally, the last pool play game would be against Salisbury State, a formidable opponent as well.

MIT started the first game a little weak, giving Tufts the opportunity to get several layout D-blocks allowing them to take the half at 4-7. MIT regained focus in the second half but could not regain focus as Tufts took the game at 9-13.

The next pool play game would again be a difficult game against Harvard. Points were traded up until MIT was at a marginal lead of 4-3. Harvard went on a four point run to take the half, then scored a few more unanswered points to take a huge lead at 4-11. MIT finally answered back with two points before losing to Harvard with a final score of 6-13.

MIT drops third in a row

Despite intense play and trading points with Dartmouth for the entire first half, MIT would be scoreless in the second half. After Dartmouth edged out a half-time win at 6-7, MIT's offense was plagued with throws blown away by the wind and several dropped passes. Dartmouth ran away and took the game 7-13.

Determined to win a pool play game, MIT faced a small but formidable Salisbury State team. Salisbury State had a long day with

games against Harvard, Dartmouth, and Tufts. With the lack of subs on the Salisbury team, they were clearly tired by the end of the day. However, their record was a bit more impressive as they had edged out a win over Harvard with a score of 13-12. MIT and Salisbury traded a point before MIT got a few break points, taking a quick lead at 5-1. MIT then closed out the half at 7-3. MIT never lost focus and continued the streak to win the game at 13-6.

No tournament play for MIT

The remainder of the pool had some interesting results. Harvard beat out first seed Tufts with a score of 15-14 in overtime. Dartmouth also had an upset over Harvard by beating them 13-7. The final rankings would come down to a point differential allowing Tufts, Dartmouth and Harvard to advance, while MIT and Salisbury would enter the consolation round. As a testament to the strength of this pool, Tufts, Dartmouth and Harvard each lost to the eventual Yale Cup winners, Brown, in the finals, semi-finals and quarter-finals, respectively.

As for MIT and Salisbury, both teams would show their strength in consolation play. MIT began Sunday against an inexperienced Yale-B team and easily defeated them 13-2. In the semi-final game against Williams, MIT threw several variations on zone and clam defenses, forcing Williams to make several turnovers and allowing MIT to capitalize on their mistakes. MIT was up two break points at half with a score of 7-4 and would never look back. With the continued success of the defensive team, MIT closed out the game at 13-7 advancing to the finals.

In the finals, MIT would once again face Salisbury who had defeated Middlebury and Louisiana State University to reach the finals. Having played only two games on

Sunday, they were much better rested and they clearly showed their full potential taking the half against MIT with a devastating 2-8.

Not losing hope, MIT stepped up the intensity and came out much stronger in the second half. Sunday clearly showed that MIT's poor second half performance on Saturday was only a fluke. MIT came out in the second half trading points until the score was 5-11 when MIT played strong defense and amazing offense to score six unanswered points bringing the team back in the game at a tied score of 11-11. Salisbury finally put up two points but it would not be enough as MIT scored the next four in a row to close out the game and the tournament with an amazing 15-13 win.

UPCOMING HOME EVENTS

Saturday, April 27

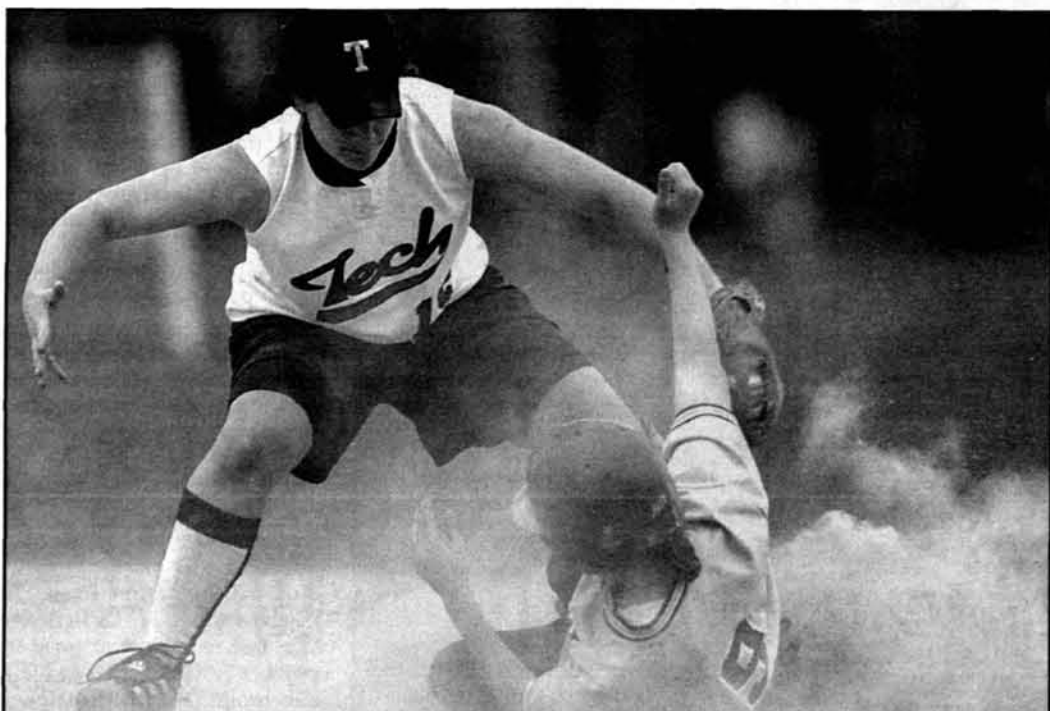
Men's Tennis, NEWMAC Championship Tournament, 9:00 a.m.
Men's Track, NEWMAC Championships, 10:00 a.m.
Women's Track, NEWMAC Championships, 10:00 a.m.
Men's Lacrosse vs. Western New England College, 1:00 p.m.
Sailing, Fowle Trophy/New England Team Racing
Sailing, New England Frosh Championships

Sunday, April 28

Sailing, Fowle Trophy/New England Team Racing
Sailing, New England Frosh Championships
Sailing, Crews Regatta

Monday, April 29

Baseball vs. Framingham State College, 3:30 p.m.



Shortstop Erin L. Hult '04 tags out a Worcester Polytechnic Institute runner on a steal attempt at second base in last Saturday's doubleheader. MIT won both games, 9-1 and 10-2.

STANLEY HU—THE TECH