

MIT Admits 1,632 Applicants For Freshman Class of 2005

By Eun J. Lee
ASSOCIATE FEATURES EDITOR

The recent admittance of the incoming class of 2005 is a harbinger of a new generation of nerds who will make MIT proud.

Only 16 percent of the 10,511 students who applied to be part of the fall 2001 freshman class, or 1,632 students, were admitted.

The newest MIT students-to-be come from a wide range of geographic and ethnic backgrounds.

"We look for the best students of our kind in the world. Some are intellectuals, some are doers, but all have expressed self-initiative in their own ways," said Marilee Jones, Dean of Admissions. "Self-initiative is a key

characteristic of MIT students."

An estimated 750 admitted students will attend Campus Preview Weekend, which begins Thursday and is open to all admitted students.

"CPW is a key enrollment event," said Jones. "MIT students always make the best recruiters."

At 1,000 students, the target size for the class of 2005 is the same as the target for last year. This year, fewer applicants were admitted in hopes that new improvements in financial aid packages will increase the yield of matriculants.

"This year's changes in financial aid should help us a lot because over the years we had gotten less competitive in our financial aid

offers relative to our need-based peers," Jones said.

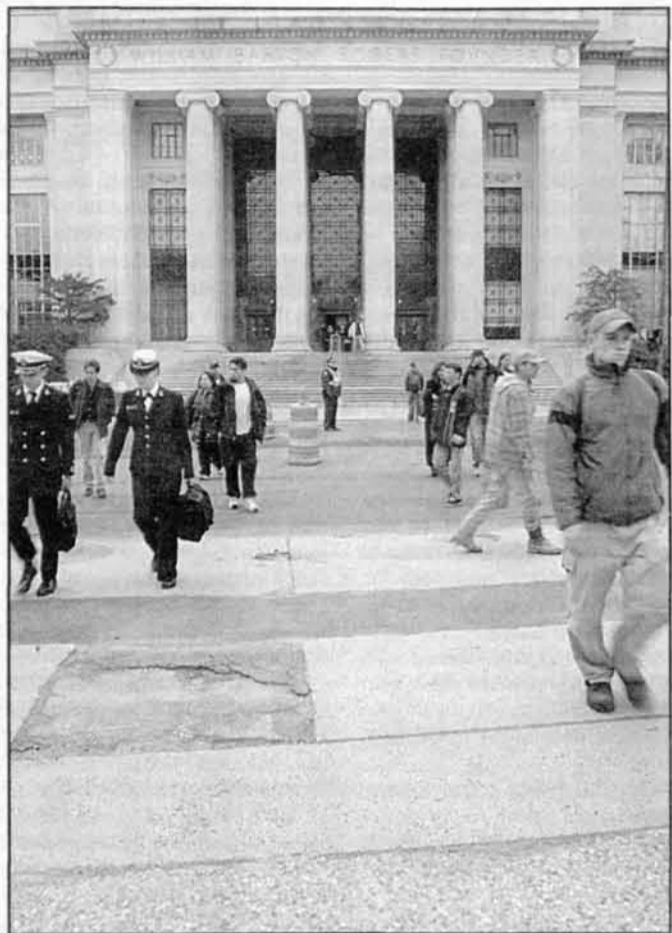
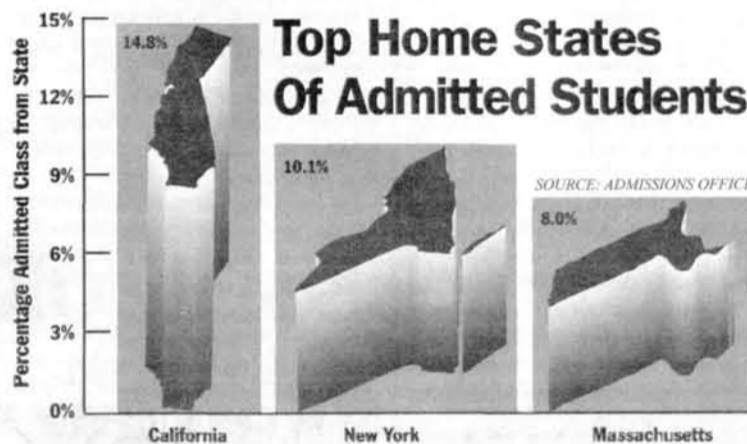
Outreach programs for incoming freshmen include overnight trips with student hosts for anyone who wants to visit the campus. Also, applicants are contacted throughout the year by students and alumni in their region who can answer questions for them.

Underrepresented minority students (including American Indians, Black, Mexican, and Puerto Rican Americans) are invited to visit MIT in the fall.

"We have tried to be conservative in the number of admitted students. We don't want too many so that we can prevent overcrowding," said Bette Johnson, Associate Director of Admissions. "The wait list will be an instrument to fine tune this process."

Early action numbers stay steady
Five hundred eighty-eight stu-

Admissions, Page 13



Students cross Massachusetts Avenue at the newly re-opened crosswalk in front of Building 7 yesterday afternoon. This weekend, Massachusetts Avenue will be closed to vehicular traffic between Albany and Vassar Streets as crews remove the railroad tracks to install a water main.

SEPHIR HAMILTON—THE TECH

Wolpert Discusses Library System With Undergraduate Association

By Shankar Mukherji
ASSOCIATE NEWS EDITOR

Ann J. Wolpert, MIT's Director of Libraries, gave a comprehensive report regarding the status of the Institute's library system at the Undergraduate Association Council meeting last night.

Wolpert is currently serving her fifth year as the head administrator of the university's libraries.

In her presentation, Wolpert outlined the need to balance the desires of the student body against the reali-

ty of MIT's tight space situation.

"We must work within profoundly constrained facilities and ... with projects such as the Stata Center, the construction pipeline is full," said Wolpert.

Still, according to Wolpert, efforts are underway to respond to students' needs.

Wolpert highlighted the results of a survey distributed to the student body.

Wolpert said that "students asked for longer [library operating] hours,

comfortable and varied study space, more online full-text resources, and more books," among other things.

"The survey showed that MIT students are fairly sophisticated consumers of library services," Wolpert said.

As a short-term response to the student body's expressed needs, Wolpert said that the library system plans "to install a 24-hour study space in Building 14 by the 2002

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Bands Selected for Spring Weekend

The Roots, Blues Traveller Chosen for Show Based on Results of Online Survey

By A.S. Wang

The Johnson Athletic Center will play host to the famous pop band Blues Traveller and the hip-hop band The Roots on Friday, April 27.

The concert is the main event of MIT's Spring Weekend.

"It is essentially a double bill," said Sonia Garg '02, Spring Concert co-chair.

This year's Spring Weekend activities are made possible by a dramatic increase in funding compared to previous years. Most of this funding has been provided by the Undergraduate Association and

Graduate Student Council.

In addition to the star-studded concert line-up, Spring Weekend will include new activities such as the "Odyssey Ball" and the revival of some old traditions, such as the "Mr. MIT" pageant.

Spring Weekend is bound to attract "a much larger audience and hopes to bring together the entire MIT campus," said Satwiksai Seshasai '01, chair of the 2001 Spring Weekend Committee.

Bands reflect student preferences

Using an on-line poll released in December that surveyed the

music preferences of over 800 MIT students, the Spring Weekend Committee has put together a show that is consistent with what MIT students requested: hip-hop and rock music.

"We have been able to put together a truly diverse show that best fits MIT students' preferences," said Spring Weekend Concert Co-chair Cliff H. Hodges '02.

The concert is going to open with Pru, a female hip-hop vocalist who travels with The Roots. Afterwards, both Blues Traveller and the

Spring Weekend, Page 16

Clifford G. Shull

Professor Emeritus Clifford G. Shull, a Nobel Prize winner in physics in 1994, passed away Saturday after a short illness. He was 85 years old.

"Shull was the kind of person that made you think, 'if everybody in the world were like this, it would be a much easier place to get along in, a much nicer place,'" said Shull's former advisee, Anthony C. Nunes '64.

Shull "was a wonderful colleague with a wry sense of humor," said Dean for Research J. David Litster.

Shull is perhaps best known as the co-recipient of the 1994 Nobel Prize in physics, along with Professor Bertram S. Brockhouse of McMaster University in Canada, for his pioneering research into thermal neutron scattering.

Shull went to Oak Ridge National Laboratory in 1946, where he and the late Ernest Wollan developed ways to use neutrons produced by nuclear reactors to gain information about the positions of hydrogen in organic molecules. "He went to Oak Ridge immediately after the war and literally started the field of neutron diffraction," or sending neutrons into matter, Nunes said.

Studying neutron scattering shows aspects of molecular structure, such as hydrogen bonding in a protein, that X-rays cannot show, Nunes said. "It was very fundamental work that paved the way for a number of other Nobel Prize winners in which the data was based on

Obituary, Page 15



Professor Emeritus Clifford G. Shull, co-recipient of the 1994 Nobel Prize in physics, died Saturday, March 31. He was 85.

MIT NEWS OFFICE



Dr. David Baltimore delivered the 2001 Hughes lecture.

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ARTS

The MIT Symphony Orchestra performed works from Bartok, Hindemith, Copland, and Ravel.

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WORLD & NATION

Budget Cuts Reflect of Clinton Vision

THE WASHINGTON POST

As President Bush prepares to reveal the fine print of his vision of government in his first budget, his administration has decided to curtail — or redefine — policies that were hallmarks of the Clinton years. They include efforts to slow nuclear proliferation, coordinate health care for the uninsured and put more police on the streets.

The \$1.9 trillion spending plan the president is to issue in a week also will pare recent government initiatives to conserve energy, spur economic development in poor communities and train doctors at children's hospitals. Those and other budgetary details have been gleaned in recent days by congressional staff members, advocacy groups and other budget-watchers and were confirmed by administration sources.

While Bush's aides have been reticent to discuss the budget publicly, they have concluded that they can trim a variety of programs that they consider ineffective or duplicative — or that have received generous increases in the recent past. The shifts are necessary to meet the president's goal of limiting the growth of domestic spending to 4 percent next year to make room for his main domestic objective: \$1.6 trillion in tax cuts over the next decade.

NASA Plans New Mars Mission With Anxiety and Hope

THE WASHINGTON POST

Humbled by Mars, NASA is about to send another spacecraft to study it.

The launch of the 2001 Mars Odyssey orbiter, set for Saturday, is the first since the agency was staggered by 1999's back-to-back failures of missions to the planet. And it is the first Mars craft to be dispatched since the National Aeronautics and Space Administration drastically revamped the program based on multiple investigations of what went wrong.

"The question on everyone's mind now is: 'Is it going to work?'" said George Pace, Odyssey project manager at the Jet Propulsion Laboratory in Pasadena, Calif., which manages the Mars program for NASA. "It's got to work."

Rather than merely fixing the problems that killed previous missions, he said, "We've been trying to anticipate and prevent" a long list of other risks.

Although the Odyssey — designed to map the chemical and mineral makeup of the Martian surface — was too far along in development for radical redesign, an outside "red team" reviewed it and recommended 144 changes in hardware, software and testing procedures, said Scott Hubbard, NASA's Mars program director. All of them have been addressed in some fashion, managers said.

Fox Seeks Tax System Overhaul

THE WASHINGTON POST

President Vicente Fox is proposing a broad overhaul of Mexico's inefficient tax system to generate billions of new dollars for government spending by cracking down on evaders and broadening the tax base.

Fox's tax reform proposal, which he will submit to Congress as early as Tuesday, is the most ambitious effort at tax reform here in decades and the central pillar of Fox's economic agenda.

"There will be no money to finance their very ambitious programs unless they implement a massive tax reform," said Denise Dresser, who teaches political science at Mexico's Autonomous Institute of Technology. She said the economic success of Fox's six-year term may be determined by his ability to pass tax reform.

Fox is counting on a restructured tax system to provide revenue to pay for his promised increases in education, health and other social programs. He hopes to raise \$14 billion — the equivalent of 2.2 percent of the gross domestic product — in the next year and another 4 percent to 5 percent of the GDP in the next five years.

Bush Asks China for Access To Crew Members of Plane

By Henry Chu and James Gerstenzang
LOS ANGELES TIMES

BEIJING

Two dozen crew members of a downed American spy plane were held incommunicado in China Tuesday morning, as President Bush demanded that U.S. officials be given prompt access to them and that their airplane be returned "without any further tampering."

As dawn broke over Hainan Island, where the plane limped to a safe landing after a midair collision Sunday morning with a Chinese fighter jet, three U.S. officials were waiting to visit the crew. Officials in Washington said they had been promised that the meeting would take place by the end of the day.

The encounter between the two airplanes over the South China Sea brought the Bush administration to the cusp of its first foreign policy crisis. Tensions grew as the hours ticked by and Chinese officials prohibited the diplomats from visiting the crew.

But China's foreign minister, Tang Jiaxuan, said he hoped an "adequate solution" could be found to the dispute.

The Bush administration took a deliberately low-key approach. The

president issued firm but nonthreatening statements. His senior aides remained in the shadows, offering no suggestion that the administration has moved to crisis footing.

"Our priorities are the prompt and safe return of the crew, and the return of the aircraft without further damaging or tampering," the president said. "The first step should be immediate access by our embassy personnel to our crew members. I am troubled by the lack of a timely Chinese response to our request for this access."

Holding out the possibility that the future of the U.S.-Chinese relationship under his administration was at stake, however, Bush added:

"Failure of the Chinese government to react promptly to our request is inconsistent with standard diplomatic practice, and with the expressed desire of both our countries for better relations."

One White House official said Bush was trying to make clear what he expected of China, "but also give the Chinese time to get to the right decision."

"The Chinese political leadership knows we have a lot of important work to do together, without this burdening the relationship," the official added.

Seeming to make the same point, Tang said that "the American side has explained time and again to our ambassador that this incident will not influence the general interests between China and the United States."

The row represents the gravest test to U.S.-Chinese relations in two years, since NATO's mistaken bombing of the Chinese Embassy in Belgrade, Yugoslavia. That event sparked a wave of violent anti-American protests across China.

Despite Chinese anger over the collision, however, reaction on the streets remained muted, with no repeat of the rock-throwing and demonstrating seen two years ago.

U.S. officials were concerned that the Chinese would start examining the hobbled EP-3 reconnaissance plane, which is laden with some of the U.S. Navy's most advanced electronic eavesdropping equipment.

Beijing insisted that the United States was at fault for the collision and that the "proper arrangements" had been made to take care of the 24 American crew members. The pilot of the Chinese jet involved in the collision remained missing after his F-8 crashed as a result of the incident, the government said.

Senate OKs Campaign Overhaul

McCain-Feingold Now Heads to House; Bush May Sign Bill

By Helen Dewar
THE WASHINGTON POST

WASHINGTON

The Senate on Monday approved the first major overhaul of the nation's scandal-ridden campaign finance system in a quarter century, breaking a nearly decade-long impasse that thwarted efforts to reduce the influence of big money in American politics.

Voting 59-41, the Senate passed legislation sponsored by Sens. John McCain (R-Ariz.) and Russell D. Feingold (D-Wis.) to ban unrestricted "soft money" contributions to political parties, restrict end-of-campaign advertising by outside groups and raise limits on direct contribu-

tions to candidates and parties.

Twelve Republicans joined all but three Democrats in support of the legislation, a high water mark in years of efforts by the bill's backers to build a bipartisan coalition in the face of adamant opposition from the Senate's GOP leadership. Five Republicans who had not previously voted for the bill backed it this time.

The legislation now goes to the House, where foes promise a tough fight but predict it will pass, as it did in 1998 and 1999. Although President Bush opposed key provisions of the McCain-Feingold bill, he has signaled he might sign the legislation, warning Congress not to send him a bill it did not want to see enacted.

White House spokesman Scott McClellan reiterated Monday night that the president intends to "look at" the legislation once it reaches his

desk. "He looks forward to signing a campaign finance bill that improves the current system," McClellan said.

But Sen. Mitch McConnell (R-Ky.) and groups that oppose the legislation are already planning a lawsuit to challenge the bill's constitutionality, principally on grounds that its constraints on spending for advocacy advertising violates free-speech protections of the First Amendment. The bill, he said, is "fatally unconstitutional."

Sponsors of the bill are pushing to have it passed and signed into law in time for the 2002 elections, when control of the Senate and House will be up for grabs.

"I asked at the start of this debate for my colleagues to take a risk for America," McCain said as the vote approached. "I will go to my grave deeply grateful for the honor of being part of it."

WEATHER

Spring Blocker

By Greg Lawson
STAFF METEOROLOGIST

It's now spring, Daylight Savings time is here, April has started ... all signs are pointing to milder New England weather.

So where is it? Well, things are not as abnormal as they seem. Sunday's snow flurries were not just an April Fools' joke; the average date for the last freeze in Boston is April 8. However, the normal high temperatures for Boston in early April are in the low 50s (10-11°C), and we've been averaging about 10 degrees below that for over a week now.

A persistent upper-level trough is to blame. The jet stream has consistently dipped south of New England for the last week, thereby keeping us in a pool of cold air. It has been slow to move eastward primarily because of a persistent high pressure system, a "blocking" high, which is sitting over the mid-Atlantic.

It looks like this trough will continue to keep temperatures cooler than normal until Friday at the earliest, though there will at least be some warming back into the upper 40s (8-9°C). High pressure builds into New England tomorrow and Wednesday, which will both dry out the air and help move the trough along. Temperatures by the weekend could reach into the 60s (16-17°C), though it currently looks like rain might be accompanying the warmth.

Extended Forecast

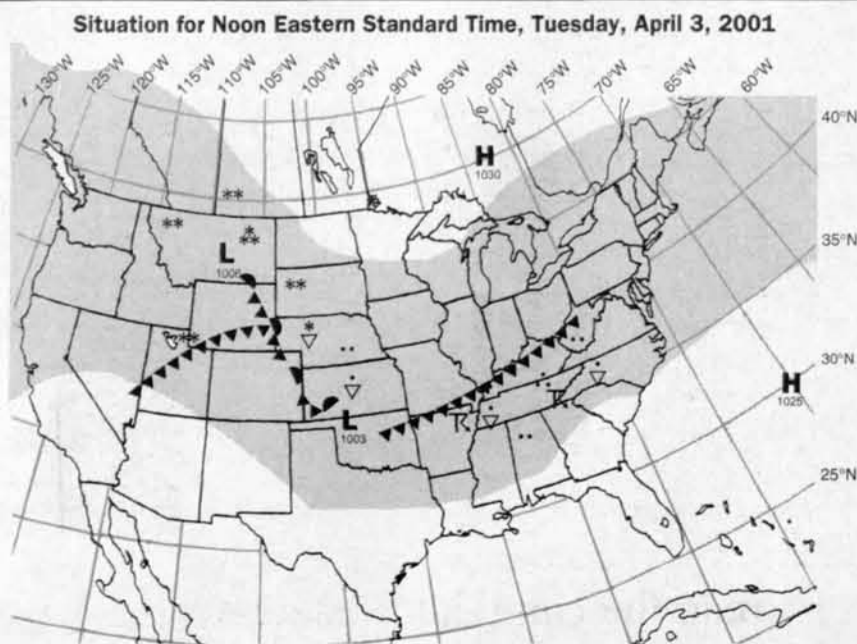
Today: Cloudy and mild. Healthy northerly breeze. High of 45°F (7°C).

Tonight: Mostly cloudy. North winds continue. Low of 35°F (2°C).

Wednesday: Partly cloudy. Winds shifting to westerly. High of 46°F (8°C). Low of 34°F (1°C).

Thursday: Scattered clouds. Light winds. High near 50°F (10°C). Low in the upper 30s (3-4°C).

Friday and Beyond: Warming into the low 60s (16-17°C) with rain possible.



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	- - - Trough	☁ Snow	☁ Fog
L Low Pressure	- - - Warm Front	☔ Showers	⚡ Thunderstorm
§ Hurricane	▲▲▲ Cold Front	☂ Light	☁ Haze
	▲▲▲ Stationary Front	☂ Moderate	
		☂ Heavy	

Compiled by MIT Meteorology Staff and The Tech

Milosevic Could Face Treason; U.S. Continues to Provide Aid

By R. Jeffrey Smith
THE WASHINGTON POST

BELGRADE

Yugoslav prosecutors said Monday that charges against former president Slobodan Milosevic, who was arrested Sunday for alleged abuse of power, could be expanded to include more serious crimes, possibly including treason, suggesting that Milosevic could face a long prison term.

Police investigators leveled a new charge against Milosevic — inciting an armed rebellion by security guards at his residence over the weekend. Officials also said they anticipate other indictments in coming weeks and months, possibly including an allegation of treason

punishable by 20 years in prison.

In Washington, Secretary of State Colin Powell ruled that, with Milosevic's arrest, the Belgrade government had shown enough cooperation with International Criminal Tribunal for the Former Yugoslavia in The Hague for U.S. economic support to continue. Efforts to arrest Milosevic, who has been indicted by the tribunal on charges stemming from the 1999 war in Kosovo, began only hours before a March 31 deadline set by Congress for Yugoslavia to demonstrate cooperation or face the loss of U.S. aid.

State Department spokesman Richard Boucher called on Belgrade to turn Milosevic over to the tribunal

for trial on war crimes charges. Boucher said, however, that Milosevic's extradition would be only one factor the administration considers when deciding whether to support an upcoming conference of major donors called to help rebuild the country's war-devastated economy, at which Yugoslavia is hoping to raise \$1 billion.

"It remains our goal to see him face justice in The Hague," Boucher said. "We should be absolutely clear that we want that to take place sooner rather than later. But the overall standard we will use in looking at the donors' conference is whether they continue to make progress on their commitments toward full cooperation with the tribunal."

Violence Escalates in Gaza Strip

By Lee Hockstader
THE WASHINGTON POST

JERUSALEM

Around the biblical town of Bethlehem, Israeli troops and Palestinian gunmen battled with tanks, machine guns, missiles and grenades Monday, rattling windows in nearby Jerusalem and stopping pedestrians in their tracks.

In the Gaza Strip near the Egyptian border, Israeli helicopter gunships fired three wire-guided missiles at a Palestinian Islamic militant, obliterating the pickup truck he was driving and killing him in the latest in a string of assassinations by Israeli forces.

The fatal shooting of an Israeli soldier by a Palestinian sniper touched off the Bethlehem fighting, the Israeli army announced. It was the second such Israeli casualty in

as many days. A sniper killed an Israeli soldier late Sunday in an exchange of fire near the Palestinian city of Nablus in the central West Bank.

Even after six months of continuous bloodshed, the crescendo of violence and revenge in Gaza and the West Bank seemed to be building Monday; Palestinians and Israelis alike braced for more.

Israel Prime Minister Ariel Sharon's hard-line government said it has abandoned a policy of restraint that it said had been in force until now and henceforth will show no mercy in striking Palestinian sources of terrorism and violence.

The Palestinians issued a bitter attack on the Bush administration for having "disengaged" from the Middle East conflict, which they

said gave Israel a green light to spurn negotiations "and to pursue a policy of escalation."

Since the Palestinian uprising began last fall, 457 people have been killed — 375 Palestinians, 63 Israeli Jews and 19 others.

More than 2,000 Palestinian mourners chanted "revenge, revenge" Monday as they marched behind the body of 28-year-old Mohammed Abdelal, who was killed by the Israeli attack in Gaza with missiles guided by wires connecting them to the helicopters from which they are fired. A member of the fighting force of Islamic Jihad, a militant group that has carried out bombings and other attacks against Israeli targets for years, Abdelal had been a prisoner in Israeli and Palestinian jails. His corpse was draped in a red blanket.

New Policy Limits Phone Calls By Federal Prison Inmates

THE WASHINGTON POST

Federal prison inmates will be limited to 300 minutes of telephone calls per month under a new policy launched Monday by the U.S. Bureau of Prisons, which is hoping to crack down on abuse of phone privileges by some prisoners.

But critics say the new policy, which applies to more than 140,000 inmates in the federal prison system, will only further isolate criminals from family and friends, contributing to recidivism.

Previously, federal inmates could make unlimited telephone calls and pay for them from personal debit accounts, which include money earned in prison or sent by relatives. Each prisoner also was permitted 120 minutes per month in collect calls.

The new rules limit all telephone calls to 300 minutes per month, regardless of who pays the bill. The limit does not include calls made to defense attorneys or other legal advisers.

Traci Billingsley, a Bureau of Prisons spokeswoman, said that 75 percent of federal prisoners already use phones less than 300 minutes per month. Placing limits on the rest will help control attempts by some inmates to run drug rings or other criminal operations from prison, she said.

"There have been some instances in the past of inmates abusing the phones, using them for illegal or disruptive purposes," Billingsley said.

Air Force General Could Get Joint Chief Chairman's Job


NEWSDAY

Air Force Gen. Ralph "Ed" Eberhart, a Vietnam combat pilot who rose to be the nation's top space warrior, has emerged as the leading candidate to be President Bush's next chairman of the Joint Chiefs of Staff, according to senior military officials.

Eberhart, chief of both the U.S. Space Command and North American Aerospace Defense Command (Norad), has become the betting favorite among senior military commanders as the replacement for Army Gen. Hugh Shelton, who is expected to retire as the president's top military adviser after his second term ends this summer.

Bush's plan for a missile defense system for the United States, Canada and European allies needs an aggressive supporter in uniform, and Eberhart has emerged as an ardent supporter. While Shelton and chiefs of the Army, Navy and Air Force have backed the Bush program, they are against any deployment until a proven system is developed. A series of failures has undercut missile defense ambitions, as tracking, intercepting and destroying a single warhead has proved too difficult after more than a decade of testing.

As a result, missile defense has been on the back burner for the military chiefs, who view acquisitions of new jet fighters, bombers, warships and other weapons as more important to national security.



GSC


The MIT
Graduate
Student
Council

office: Walker Memorial, 50-220 (above the Muddy)
phone: 253-2195
website: <http://web.mit.edu/gsc/www>
email: gsc-request@mit.edu


GSC Officers' Elections 2001-'02

April 4, 2001 @ 5:30 in 50-220 *(above the muddy)

Running for President:




Dilan Seneviratne,
MSE PhD




Nicolas Smirnoff
Sloan MBA


Running for Vice-President:



Manish Jethwa
EESC PhD




Sham Sokka
HST PhD




Jimmy Zhang, PhD
Sloan MBA

Running for Treasurer:



Erik Deutsch
EECS PhD

Running for Secretary:



Ronak Bhatt
Physics PhD

read the candidates' statement at <http://gsc.mit.edu/>

*All graduate students are welcome. Food is provided.

OPINION

Preserve Walker, East Campus

At a recent open discussion in the Student Center, much attention was focused on proposed changes to student space on campus. The future of Walker Memorial was lost in this discussion because of the familiar refrain that renovations would be too large an undertaking for the Institute.

Editorial

The venerable building has served MIT well as the home of campus activities for generations of students. It is a building that MIT should respect and maintain. Since the construction of the Student Center, however, the administration has focused on developing student life on west campus, which has allowed Walker to fall into a state of disrepair. The building's services are chronically understaffed, which leads to lengthy lines during lunchtime and garbage bins that overflow, adding to the rodent problem in that area of campus. The balconies overlooking Morss Hall are closed off to the public indefinitely while awaiting much-needed repairs. Student groups residing in Walker must cope with the lack of air conditioning and proper ventilation. Workers in Pritchett, the only late-night dining option on the east side of campus, must deal with undesirable working conditions and a shortage of keys for the diner's facilities.

The greatest problem Walker faces is its lack of a master plan. If Walker is to remain a part of this campus, it must

receive some guidelines about what role it will play in the future. The Campus Activities Complex and its director, Phillip J. Walsh, could be well suited to manage Walker's future development, but only if given full support from the Institute.

While Walker is no longer the center of campus life, it still serves a significant portion of the student body. The activities and patrons served by Walker deserve the same consideration given those served by the Student Center.

Another facilities trouble spot on east campus is East Campus itself. EC residents deserve to live in reasonable conditions, yet have not been given that opportunity in recent weeks. A rash of false fire alarms — up to six in one day alone — have interrupted students' lives at all hours of the day. Students now assume that all alarms are mistakes, creating a potentially dangerous situation if one alarm out of the crowd turns out to be real.

Of course, false fire alarms are the tip of the iceberg with regard to EC living conditions. The tap water in the bathrooms runs brown, the trash chutes are consistently backed up, and a rat infestation continues unchecked.

Tolerable living conditions for students on the east side of campus should not be sacrificed. Repairs of facilities on the east side of campus are long overdue. The Institute should take immediate steps to improve these and other quality-of-life issues.

Letters To The Editor

Crew Cuts

I read with interest the article on women's crew and the NCAA ["Women's Crew Protests NCAA Crew Changes," March 23]. When I was at MIT, as a rower in the heavyweight men's crew, we always hoped that rowing (which is far older as an intercollegiate sport than most, and does not fit the model of the big-money sports) would never be in the NCAA, because their one-size-fits-all system would hurt rowing at smaller schools.

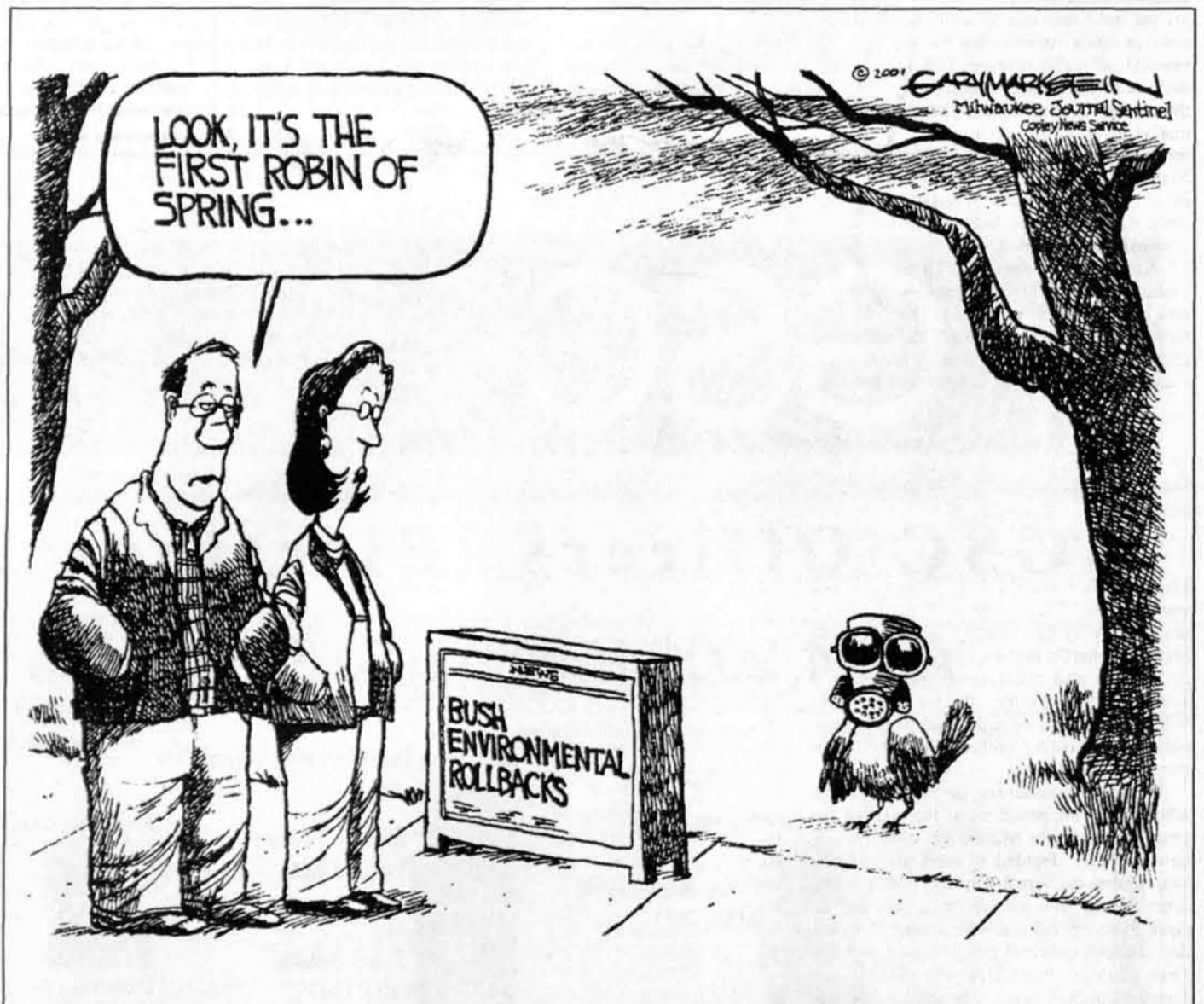
Here in Washington State, the University of Washington, an NCAA Division I athletic powerhouse which generates enormous revenues from football and basketball, somehow could not afford to keep lightweight men's rowing (despite the dominance of the UW heavyweight crew on the national level over many decades, and the very substantial donations of money from rowing alumni). They have also cancelled wrestling, and almost cancelled swimming, which casts MIT's commitment to intercollegiate athlet-

ics in a very positive light by comparison.

It's a shame to see that we appear to have been right, based on the Division III practice limits. A 21-week season is not long enough to teach novices to row effectively or to train a varsity crew.

Rowing was one of the best parts of my time at MIT, and I hope the women succeed in their petition to Division I status so they can keep up the terrific program they have built over the last twenty years.

Dave Trop '83



Opinion Policy

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

Dissents are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial. A vote count for the editorial will be printed if there a dissent is written.

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

Letters to the editor are welcome. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmen-

tal mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

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

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Oedipus Greenspan

Guest Column
Dan Tortorice

As Sophocles' *Oedipus Rex* opens, Oedipus is ruler of Thebes. But, with a quick reversal, at the end of the drama he is the most scorned man in the land. Similarly it seems to be with Federal Reserve Chairman Alan Greenspan. In January, one year ago, the wizard behind the prosperous New Economy was ushered into his fourth term with almost universal acclaim. Yet, just fifteen months later, with the ugly word recession rearing its head, the praise has turned to reproof, the acclimation to invective.

What happened? It's simple really — the miracle economy began to slow, and the critics have begun to emerge. But what do they blame him for? They accuse him simply of one sin: raising interest rates for no good reason. Well okay, they admit, to fight inflation, but because of the New Economy we don't need to worry about that inflation bug.

These New Economy pundits put forward many arguments based around the amazing technological progress of the last decade to claim that inflation is dead. While a plethora of these perversions of economic reason abound, there are two particularly insidious ones that tend to pop up with more frequency as Greenspan-bashing becomes in vogue.

The first, proposed by Bill O'Reilly among others, runs like this: The technological progress of the '90s has made our industries more competitive, and this competition puts pressure on businesses to keep their prices low. So we can't have inflation even in the face of rising oil prices. If businesses raise their prices no one will buy their stuff. What makes this argument so vicious is on face it seems right. Yet like most amateur economic analyses it is flawed and misleading. Competition does keep down prices, but there is a limit to how low these prices can go. Specifically, the price in the market must be high enough that firms desire to be in the market given profit opportunities for their capital elsewhere. What competition does is to ensure that profit margins are as low as possible, while maintaining the desire for firms to remain in the market.

So when you raise the firms' costs, say through higher oil prices, you cut into their profits. If the New Economy has really made the market so competitive, then given the new, lower profit margins of these firms, capital will flow out

of the industry, seeking new opportunities elsewhere. The result: fewer firms in the market, less supply, higher prices, i.e.: inflation.

The second New Economy argument, proposed by Dr. Amitai Etzioni (a professor of sociology at George Washington University), can be paraphrased: the New Economy has revolutionized the way we do business, firms respond more quickly to government policy, so the Federal Reserve need not be so forward-looking when worrying about inflation. If inflation starts, the flexible New Economy will respond quickly to Fed policy and inflation will be nipped in the

bud. I'm sure Alan Greenspan has not missed the technological progress of the last decade. But fortunately he has not been sufficiently

Oedipus Rex went from being ruler of Thebes to the most scorned man in the land. So it seems to be with Federal Reserve Chairman Alan Greenspan. In just fifteen months, the wizard behind the prosperous New Economy has seen the word 'recession' rear its ugly head.



wowed by e-mail to forget that the New Economy should have no impact on the Fed's forward-looking inflation policy.

When we have a year of high inflation people see the purchasing power of their income decrease, so the next year, naturally expecting the same rate of inflation as the previous year, they ask for a pay raise. Unions across America do the same. And businesses, faced with rising labor costs, start to raise their prices, so there's more inflation in the economy. And people, expecting prices to rise again next year, ask for more money. You get the picture.

That's how inflation got built into the system in the 1970s and only a painful bout with sustained high unemployment eventually ended it. But the important thing to remember about this mechanism is that the Internet economy has no effect on it. What fuels the inflation fire are peoples' expectations. The Federal Reserve, by failing to put the monetary breaks on the economy, lets demand outstrip supply one year, resulting in higher prices. And the inflation is persistent in the economy. All the e-mails in the world will not make it easier to change these people's perceptions.

Everyone knows that once you lose someone's trust it is difficult to gain it back. Well, once the Fed loses America's trust by allowing inflation to occur, it's hard to gain the trust of 135 million working Americans again.

Alan Greenspan performs a dangerous balancing act, trying to manage economic growth with the inflationary pressures it brings. He's usually good, but sometimes he misses. Yes, there is room for intelligent criticism of the Board's policies, but the "New Economy," "inflation is dead" route is not the way to go.

Dan Tortorice is a member of the Class of 2002.

Fools, All Of Them!

Roy Esaki

"The first of April is the day we remember what we are the other 364 days of the year," Samuel Clemens tells us. Seemingly a trivial and silly non-holiday, celebrating only justified puerile pranks and callow capers, its origins and contemporary expression actually symbolize how the majority establish the standards of right, and of how people with dissenting opinions are played for sweet and bitter fools.

During the Roman era, the new year began when it was supposed to, at the start of the year. Starting in the Middle Ages, the French, being French, decided to celebrate the new year around the vernal equinox, with celebrations ending after a week or so (actually on April 3, so my column isn't untimely) with a day of social calls and gift-giving. In the mid-16th century, Pope Gregory established January 1 as New Year's Day again, perhaps to sell more copies of his new calendar; some resisted the change, and continued to observe the holiday customs in April. The newly reformed mocked the conservative reactionaries, and sent mock invitations and gifts, calling the Poisson d'Avril (a favorite April Fool's prank was to avail to poison each other, still a custom in some provinces).

It appears a quaint and anachronistic story, but it's the story that continues even today, when the majority of society — often under the instruction of some authoritative decree —

establishes what's right and proper, and what opinions are foolish. From Alan Greenspan's analysis of the dismal first quarter on Wall Street, to the recent *U.S. News* graduate school rankings, to the new area codes and mandatory 10-digit numbers, to the horrible conspiracy that is Daylight Savings Time, all are decrees from on high, supported by the compliant majority eager to find out the Truth, which creates a self-fulfilling, self-perpetuating prophesy. Once established, the inertia of the majority opinion allows little room for dissent. The few who stubbornly refuse to pretend it's an hour earlier than it is, who naively believe in the prestige of a school with low rankings, or who valiantly rail against having to remember three extra digits, are mocked and derided.

Individuals deviating from majority opinion, too, can bear the brunt of collective contempt — from Justin Fong, author of the infamous "Invasian" column in *The Harvard Crimson*, to David Horowitz, under fire for criticizing reparations for slavery. Very high passions are aroused against these people who, rightly or not, oppose accepted societal mores and norms. Naturally, society should engage in rational discourse with people with

what appear to be mistaken sentiments. To use the power of the majority to cholericly abuse and degrade such dissenters, however mistaken they may seem to be, will ultimately be counterproductive. If it seems difficult to change the minds of "fools," it'll be all the more difficult to persuade humiliated fools.

How often do we ridicule those who

From Greenspan's analysis of the dismal first quarter on Wall Street, to the recent U.S. News graduate school rankings, to the horrible conspiracy that is Daylight Savings Time, all are decrees from on high, supported by the majority eager to find out the Truth, which creates a self-fulfilling, self-perpetuating prophesy.

don't follow the same rules that we do? When we say "that's so stupid," or "that's so sad," how often do we actually mean "that's so different?" Should we derive amusement out of belittling people's beliefs (such as the greatness of David Duchovny)? Shall we impress ourselves with witty deception of the misguided (such as those who don't appreciate Duchovny)? Of course; what else is sarcastic wit for?

It Takes Two

Jyoti Tibrewala

April has begun, leaving freshmen three weeks to select a major. Some of us may be ahead of the game, having accepted sophomore standing or what have you, while others have yet to schedule appointments with our advisers.

A few weeks before Spring Break, I met with my advising group just to catch up with everyone and see how we were all doing. My adviser had it on his agenda to discuss choice of major with us, but he didn't just come right out and ask us what we were all thinking of majoring in and did we have any questions. Rather, he started a discussion on choosing a career — but even this wasn't your typical "where do you want to be in a couple of years and which degree will best help you get there" talk. He started by asking us about the sort of family life we would each like to have; can you see yourself prioritizing a career over starting a family, and vice versa. Next, he segued into the career discussion, and only made a small mention of the fact that he had the choice-of-major discussion on his to-do list.

Needless to say, the topic lent itself to a lively discussion, one that I (and I'm sure I'm not the only one) was sorry to have to curtail. It was definitely one of the more interesting discussions I've had with anyone in a while. I won't call it thought-provoking only because these are issues I've already found myself

He said that women had to be more concerned than men did with striking a balance between their career and their family life. At the risk of sounding idealistic, things shouldn't be that way. If husband and wife are to be equal partners, they should be equally concerned with caring for a family.

concerned with, so much that I found myself having a nearly identical conversation with some friends over Spring Break.

While my adviser was able to carry an interesting conversation overall, one point of his was rather narrow-minded in nature. The sad part is, it's also most likely widely accepted. He said that women had to be more concerned than men did with striking a balance between their career and their family life.

At the risk of sounding idealistic, things shouldn't be that way. It takes two people — a man and a woman — to start a family. If both are to be equal partners, they should be equally concerned with caring for a family. And they certainly should not be told beforehand that the man would not be expected to be as concerned for the family as would the woman.

Perhaps I should clarify that I'm not saying a complete role reversal of the sexes is in store. In fact, that would be a ludicrous statement. But in a time when gender equity is being attained in the workplace, such a comment is a slap in the face. If we can achieve that, then equity in the home should be a piece of cake. Of course, now that we as a society have allowed the stereotypes of the male-as-breadwinner-only and female-having-to-make-a-choice to perpetuate, what would have once been easy may now be a challenge.

It's truly unfortunate that earlier generations were given this restriction (for females)/freedom (from responsibility, for males). This is so because individuals from these generations have the potential to pass along these criteria to future generations, and once a belief passes through and is assimilated into a few generations, quashing it can be difficult. This would be the only obstacle to achieving equality in the home (in terms of perceived necessary level of commitment), but its massiveness makes it a hard one to overcome. It's nothing we can't handle, though. We've shown that we are capable of righting many of the wrongs plaguing the world in this day and age. We can take this one on too.

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The Horowitz Controversy

Say It With Dollars

Guest Column
Basil Enwegbara

Let us browse through the debate on slavery reparations with some analytic tools.

Those who did the advertisement ["Ten Reasons Why Reparations For Slavery Is a Bad Idea — and Racist Too"] said something like: Why reparations to African-Americans? Would they have preferred being Africans as it is today? Hadn't slavery been the price they paid to become Americans today? Is it not one of them who has now been elected the president of Brown University?

Now let us hope that these must have been the reasons that motivated those who did the ad. But they are wrong to base their arguments on the above-mentioned questions for obvious reasons.

First, apology is a humane attribute. In this case, they could have apologized while at the same time arguing that the past should be seen as the past and those who committed the crime and those who bore the immediate pains were all their ancestors and had gone with their iniquities and their pains. So apology becomes the recognition that something cruel went wrong that could not be condoned in America today.

Second, that Africa was looted both natural-resource-wise and human-resource-wise could justify the present state of Africa with full blame on the West in which America remains the prominent leader. Let us remember that that was why Franklin D. Roosevelt made sure that America had unrestricted access to African resources after World War II, just as the Europeans did before the scramble for and after the effective occupation of Africa in 1885. Therefore, African Americans could base their argument on the simple fact that reparations should be seen as independent of the present state of Africa; after all, the present state of Africa is the outcome of Western greed and sheer unending exploitation of the continent.

The third argument African Americans should have is: has the exploitation and exclusion of African Americans from America ended? What about the present continued and systematic exclusion that still undermines the realization of the potentials in most African Americans — should that also be the price to pay for coming to America? Have those Europeans that ran to America since the beginning of last century, and particularly those that came after the two World Wars, paid any price for being

Americans? In other words, wasn't it a forceful slavery that brought them to America in the first place? Having an African American as the president of one of the oldest colleges does not change the main structural defects. Can making an African American the president of one college alter the fundamental structures that generate and perpetuate exclusion and racism?

While that change may be a step in the right direction, it is equally important to continue to press for such changes that have historical context — for a greater good that should no longer be frustrated by the past or by the present. Was it not James Madison, the great architect of the famous *Federalist*

10, who argued that "the claim of justice must be fulfilled between non-citizens and citizens, no less than between fellow citizens?" And this Madison called "rights of humanity." It is obvious therefore that the grounds to raise the question of the price to pay or the presidency of Brown University lack strong and noble justifications. In fact, hadn't these controversies been

clarified and settled between John C. Calhoun and Abraham Lincoln over a century ago?

Why can't we see an apology for the mistakes of our ancestors that have been passed on from one generation to another? Why have generations after Abraham Lincoln failed to put behind them this terrible history? Are we still waiting for Abraham Lincoln to rise from his grave to complete what he strongly pursued? What type of civilization have we built all these centuries, if we still live the past presently? Shouldn't one peace and justice loving among us, rise above others and say the truth and bring to an end these centuries of agony?

I strongly believe not only that an apology is desirable but also that reparations must follow apology as the only way to recognize the horrible dehumanization that was meted on African Americans by those who forcefully used their labor and sweat to build what we have today as the great America. No doubt that that cannot erase the past, but at least it could prove that justice has been done. So reparation should be part of the process of justice; the cruelty of the past that still horrifies the descendants of Africa. This is an opportunity for President George W. Bush. Let him not miss his destiny with history.

Basil Enwegbara is a graduate student in the Department of Urban Studies and Planning.

Everybody's Debt

Guest Column
John S. Reed

Lately in the media, a number of straw man arguments have been ascribed to the supporters of reparations for slavery. In one example a question was posed: "If your great-great-great-grandfather committed a crime and was never caught, would you be responsible?" It was claimed that reparation supporters would answer yes.

Although a lot has been written already on this issue, such gross misrepresentations demand that the record be set straight.

As in many political debates, there are a wide range of opinions on both sides of the issue of slave reparations. It's true that some advocates of reparations believe that guilt is passed down through generations the way some religions believe that original sin is. But others, including perhaps the most notable reparation effort — "The Reparations Assessment Group," which includes Professor Charles Ogletree of Harvard Law School, appear to be favoring the much less metaphysical and more legally grounded claim of "unjust enrichment."

A question more analogous to this type of reparation claim than the one given above would be, if your great-great-great grandfather stole something that you inherited, would you have to return the stolen item to the descendants of the person he robbed? A similar claim, albeit on a shorter time scale, was successfully made by Nazi slaves and their descendants against corporations that profited from slave labor. Presumably, if the communists ever lose power in Cuba, American corporations and individuals will be making such claims on property nationalized under Fidel Castro. There are many other examples, all with their own unique circumstances.

The Nazi slavery lawsuits probably are the closest equivalent to the reparations claims for slavery in the U.S. Some argue that the two claims are not comparable since Nazi slavery ended 80 years later than American slavery did and hence there are living former Nazi slaves whereas no former American slaves are still alive.

It's not clear to me why this difference should disqualify a claim of "unjust enrichment" brought by the descendants of U.S. slaves. Many millions of slaves toiled over a span of 240 years in the U.S. and the colonies that preceded it to produce an enormous amount of wealth. This wealth didn't simply vanish with the Emancipation Proclamation. It was invested, put into banks, and passed onto heirs. One place that wealth did not go, however, was to newly freed slaves. Instead of receiving "40 acres and a mule" which was far, far less than the compensation they deserved, the freed slaves were subjected to terrorism from the Ku Klux Klan and post-Reconstruction governments. This organized campaign of terror against ex-slaves drove many of them into a state of peonage and continued against them and their descendants for about 100 years.

Beneficiaries of "unjust enrichment" through slavery include the U.S. government, European and African nations involved in the slave trade (note that European powers later conquered all of these African nations and may well have looted any wealth they had from the slave trade), state governments (especially those in the former Confederacy), corporations that were involved in slavery (e.g. banks, insurance companies, maritime

companies, investment houses, commodity brokerages etc.), or that acquired corporations connected to slavery, and individuals who inherited wealth connected to slavery.

A claim against governments may seem unfair as it ultimately involves many citizens with little or no connection to slavery. However it is consistent with the almost worldwide convention that current governments must honor the debts, treaties, and obligations created by prior regimes, regardless of whether current citizenry had any involvement or say in their creation. For instance, the current government of Nicaragua owes a debt amounting to thousands of dollars per citizen to U.S. banks and other institutions that was incurred by the Somoza dictatorship 30 to 40 years ago (the average yearly wage there is a few hundred dollars). The relevance of this example to the reparations debate lies in the fact that the current government of Nicaragua must bear the burden created by a dictatorship most Nicaraguans had no involvement with nor gained anything from.

Since the U.S. government imposes this standard on other countries, perhaps it is only right that current governments in the U.S. be held liable for the legalized inhumanity that occurred in this country until 1865. If the opponents of reparations don't believe in inherited debt and obligation, let them be the loudest in calling for the cancellation of all debts and treaties created by dictatorships and passed on to their citizens. Let them also stand against all debts and treaties period which were formed before the current generations were alive and politically aware. But I don't expect to read David Horowitz's "Ten Reasons Why the Third World Debt Is a Bad Idea — And Racist Too" anytime soon.

The case for corporate liability is less ambiguous. Just as old property deeds and contracts can still be legally binding, so too can old liabilities.

Additionally, when one corporation takes over another, it gains not only the other's assets, but also its debts and liabilities.

Sometimes when conservatives oppose something they will bring up "merit" as Ken Nesmith pointed out in his column "A Legacy of Contradiction." The issue of slavery reparation has been no exception, with many claiming they are an attack on merit.

But since when is wealth inherited from slavery, or any inherited wealth for that matter, based on personal merit? It isn't, unless not getting cut out of a parent's will qualifies as "merit."

Rather than wanting a meritocracy, it seems many conservatives just want to make it even easier for mediocre but well-connected young men to get into top Ivy League schools, bankrupt a couple companies, get rewarded with their very own baseball team, and go on to be President of the United States.

It is undeniable that reparations for U.S. slavery represent new legal territory. But so did the 13th, 14th and 15th amendments, the Civil Rights Act, the Nuremberg trials, and the recent Holocaust suits directed at Swiss banks and German corporations.

Hopefully the public won't be fooled by the misrepresentations put forth by David Horowitz and his ilk. Slavery reparations are undeniably a complex and contentious issue, but they deserve their day in court.

John S. Reed is a graduate student in the Department of Materials Science and Engineering.

Why can't we see an apology for the mistakes of our ancestors that have been passed on from one generation to another? Why have generations after Abraham Lincoln failed to put history behind them? I strongly believe that reparations must follow apology.

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THE ARTS

CONCERT REVIEW

MITSO

A great, under-attended concert



WENDY GU—THE TECH

On Thursday, March 22, the MIT Symphony Orchestra performed pieces by Bartok, Hindemith, Copland, and Ravel.

By Bogdan Fedeles

STAFF WRITER

Thursday before spring break, the MIT Symphony Orchestra, directed by Dante Anzolini, presented a marvelous program of classical music, comprised of Bartok's *Music for Strings, Percussion and Celesta*, Hindemith's *Grablegung* from the Symphony, *Mathis der Maler*, Copland's *Appalachian Spring*, and Ravel's *La Valse*.

Given the postponement of about two weeks, the concert was under-attended, the audience barely filling about a quarter of Kresge Auditorium. Nevertheless, the small audience applauded enthusiastically the outstanding performance of each piece.

The concert began with Bartok's *Music for Strings, Percussion and Celesta*, a mature work considered to be one of Bartok's greatest orchestral scores. Bartok's approach is completely original, not only through his music but also through the way he directs the display of the instruments in the orchestra. The strings are divided into two symmetric groups that flank the celesta, the harp, and the percussion instruments. Given this ensemble, the sonorities evolve in a circular fashion, alternating from side to side until the percussion accentuates the tutti's culmination. This is how the first movement, a slow, intense fugue, develops. Percussion is used sparingly throughout the first two movements, and celesta has its solo part no later than the third movement. That the strings

carry on the sonorous tapestry most of the time reminds of Bartok's earlier work, *Divertimento for Strings*, particularly in the last movement, where some diatonic elements break through the opaque, chromatic material presented so far. Percussion helps, building a rhythmic drive, and the piece concludes in a lighter, joyful atmosphere. MITSO gave a convincing performance of this piece, highlighting particularly Bartok's innovative ideas.

Hindemith's *Grablegung* (Entombment) is the second movement of the Symphony, *Mathis der Maler*, a symphonic excerpt from Hindemith's opera of the same name. This piece was included in the program as homage to the memory of John D. Corley, a beloved conductor of MITSO between 1956-1966. The piece is succinct, yet it features the whole orchestra in very expressive ways. The solos of woodwinds sound like sorrowful laments, while the brass sustains the sad atmosphere with heavy chords. The trumpet and even the tuba have noticeable interventions, contributing to the overall feeling of restlessness and distrust. The sadness is eventually attenuated right before the ending, when major chords whispered in the strings are intoned by the horns. The performance of this piece was very good, showing individual solos admirably intermeshed in a homogenous orchestra.

Copland's *Appalachian Spring* is a wonderful inspirational piece, which invokes the long-awaited season of this time of the year: the

spring. Written as a ballet that underlies a very simple story of marriage and revival — symbols of the spring — the piece unfolds as a diatonic, marvelous musical painting with strong and characteristic American accents that Copland has always strived for. The basic triad is arpeggiated in the beginning, then over and over in different keys becoming a leit-motif of the piece. As major chords are predominant, and dissonances are sparingly used, the whole atmosphere breathes a light, joyful spring air. Time coordinates are suppressed as the music moves freely, with almost no rhythm; the meter changes often and erratically, contributing to this atemporal feeling of vitality and joy. MITSO enchanted the audience by performing admirably this remarkable seasonal piece.

Finally, the concert came to its main attraction point — Ravel's *La Valse*, a piece famous for its complex orchestral features and for its intense pictorial sonorities. Ravel wrote *La Valse* as a musical depiction of Vienna in its glorious years. The waltz was the emblematic element of Viennese music, so Ravel envisioned his piece as a grand waltz that borrows at least the rhythmic balance and the vibrant brass chords of the well-known waltzes written by Viennese composers of the late 19th century. However, the piece is very different from a Strauss waltz. Ravel mixes the characteristic meter with 4/4 bars, creating the impression of imperfection, of stumbling. The brilliance of some chords is opposed with low register figu-

ration, building up an enormous tension. Apparently, we are listening to a slightly unconventional waltz, but eventually, the gloomy details murmured by the basses grow stronger and stronger, prevailing as the piece reaches a climax. The percussion plays an important role, punctuating the phrases where the whole orchestra plays *fortissimo*. Ravel uses a wide range of percussion instruments, which helps the sonority of each passage to be fresh and slightly different. In the end, the whole orchestral tumult hints toward a hidden violence that may exist in Vienna, a society known for its apparent innocence and interest in arts and beauty. The ending suggests a deception, a defeat, but nevertheless, the piece remains a wonderful orchestral score, full of original musical attitudes and details. Under Dante Anzolini's baton, MITSO gave an outstanding performance of this piece, full of statement and nuance. The clarity of articulation and the refinement of details came forth in the admirable recreation of Ravel's music, displaying *La Valse* as an unsettling, powerful piece.

The whole concert was a wonderful experience illustrating how music can accurately depict natural beauty and deep human feelings with a directness that sometimes transcends our understanding. MITSO and its director Dante Anzolini deserve congratulations for their dedication in making possible these special musical events that help us perceive subtler aspects of our existence.

FOOD REVIEW

The Essential Vegetarian

You gotta fight for your right ... to be vegetarian

By Katie Jeffreys

STAFF WRITER

For some reason this year, I managed to forget all about the Great American Meat-Out which took place on March 20, 2001 (the first day of spring). Therefore, I was unable to let you all know that on that day, Aramark made a concerted effort to eliminate meat from their menu. I went to Courses for lunch and noticed that all the specials were vegetarian, but that they were still serving the traditional hamburgers and chicken products. I have always thought this participation in the Meat-Out was a nice gesture, and throughout the day my omnivorous friends came up to me and let me know that when they ate lunch at an Aramark establishment they made a conscious decision to avoid meat.

Aramark has also recently made a change in the vegetarian options available at Walker. They have switched the Granary from having two grain choices to only one, but added a vegetarian salad or wrap option. In addition, a cart of pre-made vegetarian dishes will be placed in Walker, under the name "Square Roots."

I think that both the expansion of the variety of vegetarian foods available and the Meat-Out program indicate that Aramark is growing increasingly aware of vegetarian needs

on campus. Unfortunately I do not frequent Walker this year, so I will probably not sample the new fare for some time, but when I do I will let you know what I think. Until then, feel free to let me know what you think at <veggie@the-tech.mit.edu>. In addition you can carbon copy <meal@mit.edu>, which will reach the Aramark management.

I just spent Spring Break visiting Florida with some friends, and found that, despite the seafood which predominated the menus there, vegetarian options were widely available. Especially in Miami and Key West, I found that vegetarian sandwiches stood beside typical deli selections, and vegetarian specials and entrées were so plentiful that I often had the pleasure (or displeasure) of debating for some time over what to choose. It was a rare luxury that I wish I could indulge in more often.

We also ate at fast food restaurants a bunch, and I was reminded how sad I am that Wendy's no longer carries their wraps, which used to be the only fast-food vegetarian sandwich option. I found out that you can now get jalapeño poppers, mozzarella sticks, and onion rings at Burger King and Arby's. All of these fried foods are not healthy or filling, but at least they provide an alternative to french fries. If you too want the wraps to return, write a

letter and send it to:

Wendy's Customer Service
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Dublin, OH 43017

Making Smoothies at Home

As you can tell, I don't cook much for myself anymore. Between restaurants, Aramark, my house's chef, and free dinners at *The Tech* (join and you can get them too), I have little occasion to break out the pots and pans. Not to mention that I am lazy.

One thing I definitely do make is smoothies. I finally bought some protein powder from GNC and mix it in with the fruits. I usually use fresh fruit if it is around; otherwise canned or frozen fruits can work as well. Generally I fill the blender about half way with ice, add a scoop of protein powder, pour in about a half a cup of juice, then add a banana (for consistency) and two other fruits. My favorite combinations are peach/blueberry and strawberry/blackberry.

Sometimes I add a little less ice and include a scoop or two of frozen yogurt or ice cream (I like apricot with vanilla ice cream) or some sherbet (strawberry sherbet with blackberries and blueberries is good). This makes for a more filling and creamier smoothie.

This amount of ingredients usually makes about three 12-ounce smoothies, and I usually end up sharing mine with friends who are around when I make them. It may seem like a hassle to use a blender, but it sure beats paying \$3-\$5 at a smoothie shop.



GARY FRIEDMAN

The Bill T. Jones/Arnie Zane Dance Company reach too far in *You Walk?*, a production that aims to reflect Latin-Mediterranean culture.

DANCE REVIEW

Bill T. Jones/Arnie Zane Dance Company: *You Walk?*

Tries to Run, but Stumbles

By Bence Olveczky

STAFF WRITER

Bill T. Jones/Arnie Zane Dance Company
Presented by Dance Umbrella
Choreography by Bill T. Jones
Additional choreography by Janet Wong
Medieval dances reconstructed by Valerie Williams
The Emerson Majestic Theatre
March 21-25

Three years ago the city of Bologna asked Bill T. Jones to create a piece reflecting on Latin-Mediterranean culture. The African-American choreographer accepted the challenge and the result, *You Walk?*, could be seen in Boston last week. But the Bill T. Jones/Arnie Zane Dance Company fail to walk their walk, answering the question in the show's title with a disappointing no. Aiming for poetry-in-motion, the world-renowned dance group's performance ends up feeling a lot more like pretentiousness-in-action.

The evening starts out with the choreographer himself sitting in a throne-like armchair reading ceremoniously from *The Lusitads*, a 16th-century Portuguese epic about Vasco da Gama's voyage of discovery. But the passages from Luiz de Cañoes's classic, which are recited throughout the show to describe, in a poetic language, the meeting of cultures, are more confusing than catalytic.

Jones clearly has an agenda, and it seems to have more to do with the colonizing tendencies of the "Old World" than with the radiance of Latin-Mediterranean culture. While his approach may be justified, the message he is delivering is wrapped in a highly esoteric and pseudo-philosophical blanket that is both pretentious and confusing. Projected titles preceding each of the nine separate pieces (such as "we wore time shamelessly" and "you saw an endless line expanding"), and meaningless, if elaborate, program notes do

not provide a focus either.

Despite his shortcomings as a poet or a philosopher, Bill T. Jones is still an enormously talented choreographer with a painter's eye and a musician's ear. The production starts off with tunes from Africa, medieval Europe, and the Amazon, and is accompanied by highly stylized versions of the respective cultures' traditional dances.

The musical centerpiece, however, is *San Ignacio*, a "lost opera" composed by a group of 18th-century Jesuit missionaries working in the Amazon region. The dancing accompanying this baroque piece evokes scenes from the Bible and images of Christian worship, with a half-naked female dancer, Toshiko Oiwa, being some kind of Jesus figure. Her role is unclear as she repeatedly runs across the stage with a gigantic red banner, projecting the aura of a conquering communist.

The second half of the show stands in stark contrast to the first, being lighter and a lot less contrived. It is performed, in part, to John Cage's composition *Empty Words*, which is essentially melodious gibberish. Responding in kind, the dancers start to communicate in tongues. They leave their roles as Jesus, the communist, etc., to engage in humorous interactions, making fun of each other's performances during the first act. The show continues in a light-hearted spirit with a series of beguiling Portuguese folk songs and bravura dancing.

The climax of the evening is a solo performed by the 49-year-old Bill T. Jones to a Portuguese ballad. The rest of the company frames the old master's dance by freezing in their positions. It's powerful to see the HIV-positive dancer, still very much in control, perform what inadvertently comes across as a swan song.

Few choreographers can match his ability to combine movements and music with visually stunning images, and make it feel like a harmonious, inseparable whole. In his best moments, Bill T. Jones can be cathartic, but in *You walk?* he simply reaches too far.

MUSIC REVIEW

State of the Airwaves

Culture, Crowns, and Christopher

By Dan Katz

STAFF WRITER

Murphy's Seventh Law of Music Journalism states that if you don't write a column for three weeks (that's one week I went on hiatus and one week of spring break), and you have to cover all of the albums that have come out while you've been gone, then LOTS of albums will have come out while you were gone. In fact, there's enough of them that they'll probably suck up the lion's share of this week's column. Of course, I'll hit the upcoming concerts beforehand, and if there's space left at the end, I'll gush about the latest offerings in the music realm.

If you feel a void in the live-music landscape, it may be that Moxy Fruvous isn't touring, which is extremely unusual for the concert-heavy band. You can fill the void at TT The Bear's tomorrow night — the closest thing the band has to a front man, Jian Ghomeshi, is appearing with two other singer-songwriters on a bill called "3 Song Circus."

Thursday night, Cowboy Mouth ("Jenny Says") and Southern Culture On The Skids ("Camel Walk") mosey on down to the Avalon to blur the line between a hoedown and rock show. Friday, the Amazing Crowns appear at Lilli's, while the O.C. Supertones spread the word of the lord at the Palladium in Worcester. On Monday, Frank Black and the Catholics roll into the Paradise Rock Club on Commonwealth Avenue.

While I was in Connecticut two weeks ago, the music industry was not on vacation. Rock favorites Toadies, who crafted the wonderful "I Come From The Water," but poisoned alternative airwaves with the overplayed "Possum Kingdom," returned to the public eye with an album called *Hell Below, Stars Above*. Powderfinger, who are enjoying radio success with "My Happiness," gave their fans a chance to buy the song on *Odyssey #5*. Sepultura's new disc is entitled *Nation*, while the Old 97s appeal to a less hardcore audience with *Satellite Rides*. Rounding out the lineup are punk-pop stars U.S. Bombs and their latest, *Back At the Laundromat*.

Then, over spring break, the heavy-hitters came out. Buckcherry, whose major hit is a tribute to cocaine, actually claim that they held back on their first album, and they try to make up for it on *Time Bomb*. Train's second disc, *Drops Of Jupiter*, is warranting plenty of airplay for the gorgeous title track, while the Living End are doing well with the title-cut to *Roll On* as well. Monster Magnet, who raided MTV a while back with the video for "Space Lord," present a new album called *God Says No*, but the network has moved on to their current darlings Saliva, who'll support their debut, *Every Six Seconds*, on the MTV Campus Invasion Tour. For lighter tastes, there's Shawn Colvin's *Brand New You*, and for the collector, the second batch of Pearl Jam's domestic bootlegs hit stores last week.

Which brings us to this week. Indie-rock gods *Guided By Voices* release *Isolation Drills*, while the only Canadians to strike it rich by saying "Mmmm," Crash Test Dummies, offer *I Don't Care That You Don't Mind*.

Finally, there's a compilation of performances from California radio station KCRW's influential "Morning Becomes Eclectic" program. That disc features live cuts from Travis, David Gray, and the Dandy Warhols, along with plenty of artists I haven't heard but probably should. Lars Fredriksen & The Bastards offer a self-titled debut, and critical darlings Black Box Recorder unveil *The Facts Of Life* today. Finally, there's a greatest hits album from Modern English. That's right, Modern English. It contains "I Melt With You" ... and ... um

As I expected, there's not much room left, but I'll try to cram in a word about the best music video I've seen in a long time. Spike Jonze's last two works of cinematic brilliance were the video for Fat Boy Slim's "Praise You," which derived comedy from people dancing badly in public, and *Being John Malkovich*, which was quirky and unnerving. For Fat Boy Slim's new single, "Weapon Of Choice," Jonze, in a master stroke, combined those two worlds, by having one quirky and unnerving man dance in a hotel. Not just any quirky and unnerving man, but Christopher Walken. A description can't do this clip justice; look for it on the Internet, sit in front of MTV2 for a while — whatever it takes — see this video. It currently edges out Dave Matthews Band's "I Did It" as best of the year. (More on that one some other time.)

OK, e-mail me feedback at <airwaves@the-tech.mit.edu>. Keep it real, keep in touch, and, you guessed it, keep expanding your horizons.



BEN SOLISH—THE TECH

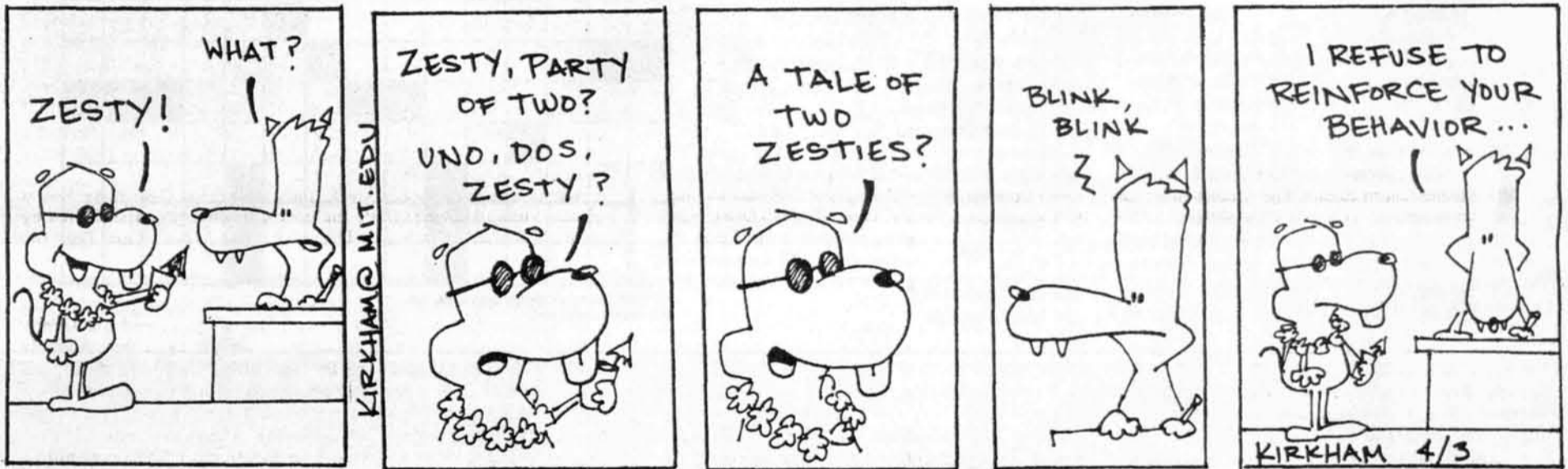
Members of the Boston Horns perform pieces by Kurt Stallman, Paul Hindemith, and others in Killian Hall on Wednesday, March 21. The performers, from left to right, are Ken Pope, David Ohanian, Jean M. Rife, and Kevin Owen.

Down with Science

by Jennifer DiMase



the crass rat



Fun With Clip Art

Aaron Isaksen



"I don't know what it is...but it was certainly a real bitch pulling it out of that shark's ass!"

What happened to mat⁰⁰⁰ solar?

and how are these three involved?

Find out next week!

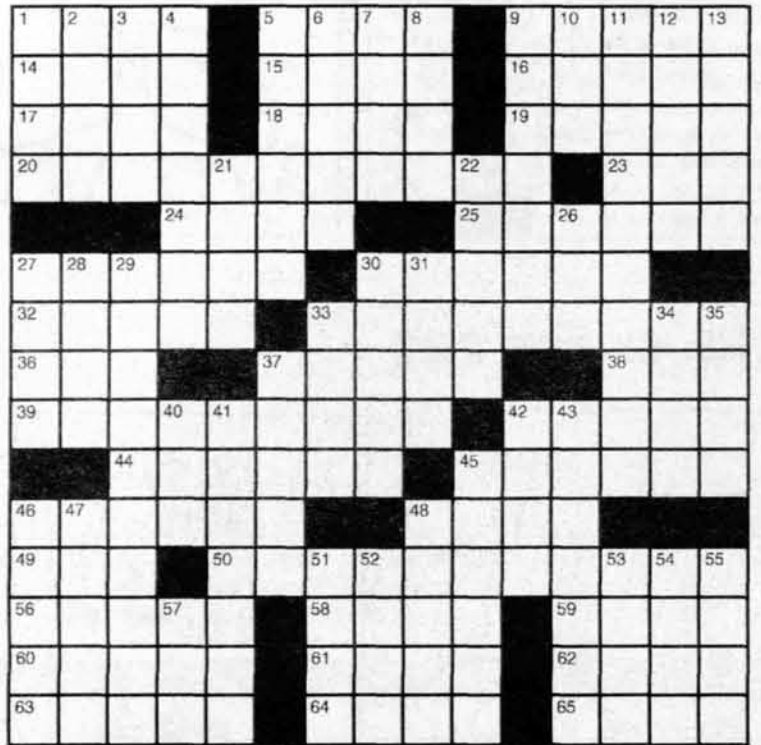




Crossword Puzzle

Solutions on page 15

- ACROSS**
- 1 Private dining room?
 - 5 Parks oneself
 - 9 Munchausen, e.g.
 - 14 List ending wds.
 - 15 Party to
 - 16 Idolize
 - 17 Fourth little piggie's fare
 - 18 Actor Franco
 - 19 Bell sounds
 - 20 Low-lying vegetation
 - 23 Building site
 - 24 Electrical unit
 - 25 University of Georgia's city
 - 27 "The ___ of Errors"
 - 30 Followed as a consequence
 - 32 Divert
 - 33 Penniless
 - 36 Kind of profit
 - 37 Laundry woe
 - 38 By way of
 - 39 Count off one by one
 - 42 Carols
 - 44 Ventilate
 - 45 Imitate without comprehension
 - 46 Milkshake's cousin
 - 48 Callas number
 - 49 Wiedersehen lead-in
 - 50 Chicago hours
 - 56 Vinegar bottle
 - 58 Nautical shout
 - 59 Sappho works
 - 60 Fell back on
 - 61 Flower holder
 - 62 Paper quantity
 - 63 Getting on in years
 - 64 Water pitcher
 - 65 Eli's school
- DOWN**
- 1 Program choices
 - 2 Bond's alma mater
 - 3 Beach material
 - 4 Places for aces?
 - 5 One at a time
 - 6 Lethargic
 - 7 Matador's foe
 - 8 Winter precipitation
 - 9 Large gin container?
 - 10 "Much ___ About Nothing"
 - 11 Reinvested, as an IRA
 - 12 Manmade fabric
 - 13 Leaf homes
 - 21 Eschewed walking
 - 22 Discernment
 - 26 My wife
 - 27 Walking stick
 - 28 Sign of things to come
 - 29 Kind of investment company
 - 30 Type type
 - 31 Label
 - 33 Coll. social club
 - 34 Metric weight, briefly
 - 35 "___ of Eden"
 - 37 Test score
 - 40 Shea player
 - 41 Building builder
 - 42 Claw
 - 43 Declamation
 - 45 Supplication
 - 46 Large in scale
 - 47 Of hearing
 - 48 Got up
 - 51 Church area
 - 52 Unfreeze
 - 53 Thought
 - 54 Supper, e.g.
 - 55 Salinger girl
 - 57 Nice summer?



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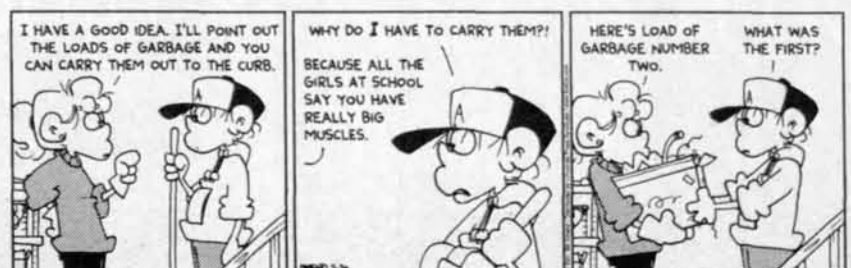
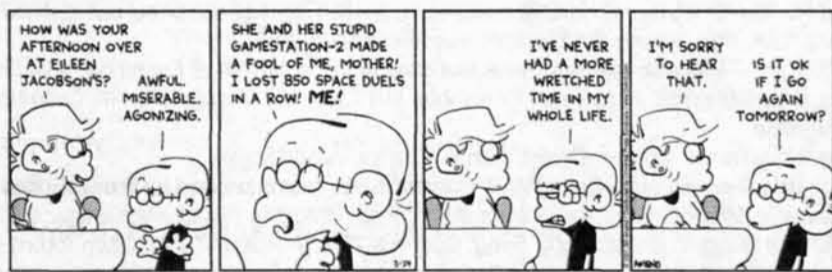
Dilbert[®]

by Scott Adams



FoxTrot

by Bill Amend



TechCalendar

Visit and add events to TechCalendar online at <http://tech-calendar.mit.edu>

Tuesday, April 3

8:30 a.m. - 1:00 p.m. - **Managing Corporate Innovation.** Free to MIT Community. Room: Kresge Auditorium. Sponsor: Office of Corporate Relations/ILP. ICRMOT.

12:00 p.m. - 2:00 p.m. - **'Fisica' ex Machina: Measuring Success and Italian Particle Physics in the 1960s.** Dibner Institute Lunchtime Colloquia. free. Room: E56-100. Sponsor: Dibner Institute.

12:30 p.m. - 2:00 p.m. - **Civic Environmentalism: Democratic Pathways to Sustainability.** Examining Local and Regional Projects. free. Room: Harvard University, JFK School of Government, Littauer 3rd Floor, Fainsod Room. Sponsor: Department of Urban Studies and Planning.

3:30 p.m. - 5:00 p.m. - **Spinning into the Future: The Physics and Applications of Giant and Tunneling Magnetoresistance.** DMSE Distinguished Lecturer Series, featuring world-class speakers in Materials Science and Engineering. free. Room: 4-270 (followed by reception at 4:30 p.m. in 8-314). Sponsor: Dept. of Materials Science and Engineering.

4:00 p.m. - 5:00 p.m. - **MTL VLSI Seminar Series.** MEMS Technology for the New Optical Network. free. Room: 34-101. Sponsor: MTL VLSI Seminar, Boston Area MEMS.

4:00 p.m. - 5:00 p.m. - **Tunnel Maurienne-Ambin.** free. Room: 1-350. Sponsor: Engineering & Environmental Mechanics Group.

4:15 p.m. - 5:30 p.m. - **Gas Turbine Seminar Series.** free. Room: 31-31. Sponsor: Gas Turbine Laboratory.

4:30 p.m. - **"The Politics of Lebanon and Syria After the Israeli Withdrawal from Southern Lebanon."** A session of the Emile Bustani Middle East Seminar. free. Room: E51-095. Sponsor: Center for International Studies.

4:30 p.m. - 6:00 p.m. - **The Way Forward: Abolish the White Race.** Talk by Noel Ignatiev, Mass. College of Art and author of *How the Irish Became White*, editor of *Race Traitor*. free. Room: Rm 14E-304. Sponsor: Committee on Campus Race Relations. Program in Writing and Humanistic Studies.

6:30 p.m. - **Architecture Lecture: "inlaid horizons."** Talk by Ann Pendleton-Jullian, architect/professor, MIT. free. Room: 10-250. Sponsor: Department of Architecture.

7:00 p.m. - 9:00 p.m. - **Hungarian Film Seminar.** free. Room: 4-237. Sponsor: Graduate Student Council, Hungarian Student Association of MIT.

7:00 p.m. - 9:00 p.m. - **Diet for a Small Planet: What We've Learned in 30 Years.** With the up-coming publication of Frances Moore Lappe's new edition of her best-selling "Diet for a Small Planet," the lecture should prove to be both information and substantive. free. Room: 6-120. Sponsor: The Technology and Culture Forum at MIT.

Harold and Arlene Schnitzer Prize in the Visual Arts. April 7 — applicants must pick up works 9 a.m. - 4 p.m. only, April 17 — winners announced, May 14-30 — Winners' Exhibition in Wiesner Gallery. Applications available at Student Art Assn. (W20), Office of the Arts (E15-205) and CAC (W20). free. Room: W20-429. Sponsor: Student Art Association.

Wednesday, April 4

9:00 a.m. - 5:00 p.m. - **Eloranta Summer 2001 Fellowships-Proposal Deadline.** All proposals for the Eloranta Summer 2001 Research Fellowships must be submitted to the UROP Office in 7-104 by 5 p.m. today, Wednesday, April 4, 2001. free. Room: 7-104. Sponsor: UROP.

11:00 a.m. - 12:00 p.m. - **Global Undersea Cable Networks.** EECS/RLE Optics. free. Room: Grier Room (34-401B). Sponsor: Optics.

12:00 p.m. - 1:00 p.m. - **Artist Behind the Desk Literary Event.** Judson Wolfskill, associate publicist at the MIT Press and John Verbos, senior office assistant, Center for Technology, Policy, and Industrial Development read from their work. free. Room: 14E-304. Sponsor: Working Group on Support Staff Issues.

12:00 p.m. - 1:30 p.m. - **Applications of Molecular Thermodynamics.** free. Sponsor: 10.978 Seminar.

3:00 p.m. - 5:00 p.m. - **spouses&partners@mit - First Person Plural (Part I).** First Person Plural is a documentary that tells the story of Korean-born Deann Borshay Liem. In 1966, 13 years after the Korean War, eight-year-old Deann was brought to the United States by white, American, adoptive parents who raised her as a member of their family. In this film, Deann makes the startling discovery that she isn't who everyone thought she was, and that her Korean birth family is alive. We will watch the first half of the film and discuss international adoption. free. Room: W20-400. Sponsor: spouses&partners@mit, MIT Medical.

6:00 p.m. - 9:00 p.m. - **Start-up Clinic.** Attendees discover how to present a business plan to potential investors. Two pre-selected companies present their business plans and receive feedback from a panel of experts and the audience over an informal dinner. The key learning points include how plans and presentations are evaluated; what investors and evaluators look for, and how to fine-tune plans and presentations. These

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events are limited to 60 preregistered individuals. \$35 for Forum members & students; \$45 non-members. Room: MIT Faculty Club, Bldg. E52. Sponsor: MIT Enterprise Forum of Cambridge, Inc.

6:30 p.m. - 9:00 p.m. - **MIT SCA Chainmail Workshop.** Come and learn simple medieval chainmail weaves and patterns to make your very own shirt (hauberk), or hood (coif). Smaller sized links can be used to make jewelry. We will provide the steel, brass, and copper links, pliers, and instruction. Please bring your own pliers, if you have any. free. Room: Private Dining Room #3, Student Center (W20). Sponsor: Society for Creative Anachronism.

7:30 p.m. - 9:30 p.m. - **Renaissance Dancing.** There are many forms of Renaissance Dancing that we practice. From Italian balli to courtly pavans to English country. We dance them all with flair and fun. Dress is common street clothing. No experience necessary; instruction is provided. free. Room: 31-161. Sponsor: Society for Creative Anachronism.

8:00 p.m. - 10:00 p.m. - **International Film Club Film Seminar Series.** free. Room: 4-237. Sponsor: Graduate Student Council, International Film Club.

Thursday, April 5

4:00 p.m. - 5:00 p.m. - **Gravity Waves Over Mt. Blanc.** free. Room: 54-1611. Sponsor: MIT Atmospheric Science Seminars.

4:15 p.m. - 5:15 p.m. - **Optimal Control of a Paired-Kidney Exchange Program.** ORC Spring Seminar Series. Seminar followed by refreshments in E40-106. free. Room: E56-270. Sponsor: Operations Research Center.

4:15 p.m. - 5:00 p.m. - **Physics Colloquium Series: The David H. Harris Lecture.** "Next Generation Telescopes". free. Room: 10-250. Sponsor: Physics Department.

4:15 p.m. - 5:15 p.m. - **Laminar Premixed Flame Speed for CH₄/O₂/Diluent Mixtures.** Laminar Premixed Flame Speed for CH₄/O₂/Diluent Mixtures at High Pressures; Comparison of Experimental Data with Prediction of the Sandia PREMIX Code. Refreshments at 4:00 p.m. free. Room: 31-161. Sponsor: Sloan Automotive and Reacting Gas Dynamics Labs.

5:30 p.m. - **Revision, Revisionism and Rehabilitation: 1959/1999.** Lecture by Francis Frascina, John Raven Professor of Visual Arts, Keele University, UK. free. Room: Rm 3-133. Sponsor: History Theory Criticism Forum, Department of Architecture.

8:00 p.m. - 11:00 p.m. - **Modern Square Dance.** This challenging class teaches you Plus level square dancing set to a wide range of modern music. We begin by teaching you the calls which make up each level of dancing, which you then apply throughout the class. A group of eight dancers works together in this unique form of American dance. Focus is on fast and rigorous learning, reaction time, and flow. No experience or partner necessary. Wear comfortable clothes and shoes. REGULAR ATTENDANCE EXPECTED. First night is free. Room: Lobdell Dining Hall - Student Center. Sponsor: Tech Squares.

8:00 p.m. - 10:00 p.m. - **International Film Club Film Seminar Series.** free. Room: 4-237. Sponsor: Graduate Student Council, International Film Club.

9:00 p.m. - 10:00 p.m. - **Ashdown House Coffee Hour.** free. Room: Ashdown House Hulsizer Room. Sponsor: Residential Life and Student Life Programs.

Friday, April 6

12:00 p.m. - 1:00 p.m. - **AI-Anon Open Discussion: AI-Anon Meeting.** free. Room: E25-101. Sponsor: MIT Medical.

3:00 p.m. - 4:00 p.m. - **Department of Chemical Engineering Seminars.** Nanostructure Processing of Advanced Catalytic Materials. free. Room: 66-110. Sponsor: Chemical Engineering.

5:00 p.m. - **Advanced Music Performance Student Recital.** Earth, Atmospheric and Planetary Sciences graduate student Mea Cook, cello student of Carol Ou. Elisabeth Kim and Alison D'Amato, piano. Faure's *Elegie*, Op. 24; Debussy's *Sonate pour Violoncello et Piano*, Op. 42; Prokofiev's *Sonata for Cello and Piano in C major*, Op. 119. free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

7:00 p.m. - 12:00 a.m. - **MIT Anime Club Showing.** 7:00: Kareshi Kanjou no Jijyo (His and Her Circumstances) Kare Kanno 16-19, 8:45: T-shirt sales, checkout distributions, 9:10: TBA. free. Room: 6-120. Sponsor: Anime Club, MIT.

8:00 p.m. - **Campus Preview Weekend Concert.** The MIT Wind Ensemble, MIT Festival Jazz Ensemble, MIT Percussion Ensemble, MIT Chamber Chorus and MIT Chamber Orchestra. (Frederick Harris, William Cutter, Dante Anzolini, conductors), Jean Rife, horn soloist. Weinstein's *Roman Odes*, commissioned by the MIT Wind Ensemble, Weinstein's *Interlude for Brass Octet*; Ticheli's *Postcards*; Gauger's *Gainsborough*; Mingus' *Haitian Fight Song*; Guiffre's *Four Brothers*. 7 p.m. open forum - "Music at MIT". free. Room: Kresge Auditorium. Sponsor: Music and Theater Arts Section.

Just can't find enough excuses to stare at a computer screen? Join the Technology Staff at *The Tech*. Email join@the-tech.mit.edu

Library Plan Aired

UA, from Page 1

academic year."

The libraries are also looking into initiating a new series of distantly delivered services. "We're one of two or three libraries in the country exploring such services," Wolpert said.

Furthermore, Wolpert brought up the idea to introduce compact shelving to the basement of Building 14. The proposal, however, has several serious potential drawbacks.

"The building was designed to float," Wolpert said, "and if we put too much weight [in the basement] it might sink."

Despite such constraints, Wolpert said that she still has a number of "long term dreams" for the library system. Foremost among these is an idea to build an "art-defining science and engineering library."

When asked by UA President Peter A. Shulman '01 about what the proposed new library would entail, Wolpert said she envisioned a building structured around "services, spaces, and resources ... and in which the resources are integrated in a valuable way."

"We clearly need some tools that will facilitate access to the rich resources we supply," Wolpert said.

The MIT Libraries contain more than 2.6 million volumes, more than 20,000 current subscriptions, and extensive collections of microforms, maps, slides, scores, sound recordings, motion pictures, and videotapes. The system is based on the five main libraries of engineering, architecture, science, humanities and management, and several branch libraries in specialized areas, such as aeronautics and astronautics, geology and planetary sciences, and music.

Admittees Hail from Around the World

Admissions, from Page 1

dents, or 36 percent of the total number of admissions, were admitted early action. This is roughly the same number as have been admitted early action in previous years.

"A number of schools are relying more heavily on early admissions, but we have tried to stay consistent," said Johnson.

Of the number of students admitted during regular decision, 296 of these originally applied for early admission.

"Traditionally [early admissions] helped the less elite colleges book the core of their classes early and that made sense, since without that commitment, more elite schools would admit and enroll their best students," said Jones.

In the past few years, even the most prestigious schools have moved to admit large portions of their incoming classes early.

"Prestigious schools — those with the highest enrollment yields — ought to be able to enroll a class the old fashioned way," Jones said.

MIT has offered early action admission for several decades. Over the past 30 years, early enrollment has consistently been limited to 30 percent of the class or less. The admissions office plans to continue this plan in the future.

Students come from all backgrounds

The only quota for admissions is a restriction on the number of foreign citizens who are not permanent residents of the United States. This group is limited to eight percent of the freshman class, or approximately 100 students.

"We don't admit geographically," said Johnson.

The 1,632 students admitted this spring represent 55 foreign countries and 49 states.

"There were no students admitted from Mississippi because we

had very few applicants from this state," said Johnson.

The states with the most admitted applicants include California, New York, Massachusetts, Texas, and New Jersey.

In the past, many admitted applicants who do not choose to attend MIT have attended Harvard, Stanford, Yale, and Princeton.

Applicants faced tight competition

Academically, competition for admittance was tight. Forty-seven percent of those admitted who were ranked by their high schools are valedictorians of their class. Ninety-five percent of those admitted are in the top five percent of their class.

"SATs are up again, as are grades in general," said Jones. "The high school students we see these days take more difficult subjects and do better than their predecessors."

The mean SAT verbal score was 724, and the mean math score was 760. The admitted mean composite ACT score was a 32.

Only 326 of the admitted students provided ACT scores on their applications.

"Most people who are planning to apply to selective colleges will take the SAT," said Johnson in response to the low number of reported ACT scores.

"One of the hardest things about this job is the quality of the applicants. The applicants are hard to choose from because most of the people who apply here have good grades and test scores. We try to choose people who we think will not only contribute to the school but get something out of it when they come," said Johnson.

"MIT students continue to be the best in the world. I know that for a fact, and we don't tell [them] that often enough," said Jones.

The deadline for acceptance of admission is May 1, 2001.

Class of 2005 Admission Statistics

Number of applicants	10,511
Number admitted	1,632
Percent admitted	15.5%

Admitted student breakdown:

Gender:

48% female 52% male

Race:

37	American Indian
461	Asian American
118	African American
94	Mexican American
36	Puerto Rican
51	Spanish American
579	White
102	Foreign Citizen
21	Other
133	Unknown/No Response

Geographic:

49	states (no one from Mississippi)
55	countries other than the United States

Academic:

Mean SAT Scores:	Math/Verbal - 724/760
ACT Scores*:	Mean Composite 32
47%	Valedictorians (of those ranked)
93%	Top 5% of Class

Early Action:

588 (32%)	Early Action Admits
296	Applied Early Action but were admitted regular decision

*only 326 submitted ACT Scores

SOURCE: ADMISSIONS OFFICE



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Shull A Devoted Teacher

Obituary, from Page 1

neutron scattering," Nunes said.

Thermal neutron scattering is "still the most effective tool for studying excitations in condensed matter. The Nobel prize [Brockhouse and Shull] shared was richly deserved," Litster said.

Shull a dedicated teacher

Shull came to MIT in 1955 as a full professor, and enjoyed teaching as well as doing research. "I was attracted to MIT by the prospects of teaching and training graduate research students ... The opportunity of being at MIT with its fine faculty and excellent students has certainly been most stimulating and satisfying," Shull once wrote.

After graduating, Nunes did graduate research at MIT's nuclear reactor, with Shull as his doctoral thesis advisor. Nunes remembers one time "when some liquid nitrogen spilled from the reactor and there was some damage to the vacuum system ... in that situation I assume most people would get very angry but [Shull] never raised his voice."

Shull "was the ideal adviser," Nunes said. "He would help you where you needed the help and you could discuss things with him. There was definitely a lot of give and take ... and he also shared his conversations with other colleagues with us."

Nunes remembers a time when Shull related to his students a discussion he had with Cornell University physicist Boris W. Batterman about the interpretation of some of his experiments. "It was nice that [Shull] would mention this and discuss these things with students rather than pointing us to a paper he wrote or some such thing," Nunes said.

Although he retired from MIT in 1986, he continued to stay involved in the MIT research community.

Shull was born in Pittsburgh, Pa. and received his SB in physics from Carnegie Institute of Technology, now Carnegie Mellon University, in 1937. Four years later, Shull earned the PhD from New York University.

Shull lived in Lexington, Mass. and is survived by his wife, Martha-Nuel Summer, three sons: John C. of Texas, Robert D. of Maryland, and William F. Shull of South Carolina. He is also survived by five grandchildren.

Africa Business Conference at Harvard Promotes Dialogue on Entrepreneurship

By Selam Daniel

Entrepreneurs and other participants discussed the business climate in Africa at the 2001 Africa Business Conference, entitled "Creating, Growing, and Running the African Company."

The conference was held at the Harvard Business School from March 23-24.

"I gained a tremendous amount of useful information and useful contact for financing, via private equity or venture capital funds, entrepreneurial ventures in Africa," said conference participant Hakeem O. Sanusi G. "I also gained further enlightenment to help me develop plans for the business that I want to deploy in Africa," Sanusi added.

The conference attracted people of all nationalities, successful businesspeople in Africa, and aspiring entrepreneurs, including many MIT students.

The two-day event included keynotes by Noah Samara, founder and chief executive officer of WorldSpace Corporation, and the Honorable Professor Turner Timinipre Isoun, Minister of the

Nigerian Federal Ministry of Science and Technology and a former MIT visiting scientist.

Other activities included a career fair, panels, workshops, and a concert by the Afro-pean band, Les Nubians.

African businesses face challenges

Ndidi Okonkwo, a recent graduate of the Harvard Business School and Executive Director of the FATE Foundation, highlighted the unique challenges that entrepreneurs face when running an African business.

Most African governments have not created a very conducive environment for emerging entrepreneurs, he said. Also, Okonkwo said that obstacles to importing into most African countries hinders manufacturing efforts.

Okonkwo also cited weak infrastructure and communication as extra hurdles keeping offices from running at maximum efficiency. In addition, Africa faces a lack of management capacity — difficulty of finding good people willing to go to Africa and work. Other problems facing entrepreneurs interested in African busi-

ness include access to accurate and timely data; aspiring entrepreneurs are forced to do their own market research.

Many speakers, panelists, and participants of the conference offered advice on dealing with these issues.

Panelist William Jimerson '92, who is an entrepreneur in Africa, said "risk" is the million dollar word when it comes to talking about business in Africa. You have to present a business plan which identifies the risks and a plan to offset them, otherwise you won't get the interest of many investors."

Other successful businesspeople noted that although business in Africa is unique in its challenges, it is often more rewarding because of the inherent social obligations that any African business carries.

Many participants cited networking opportunities as a primary reason for attending the conference. "It's important for Africans and those interested in Africa to get together and use each other as resources, to learn and share — to build up that network. The whole point is to go back home," said

Mark Ardayfio SM '98.

Networking opportunities were also noted by other MIT participants. Oreoluwa A. Adeyemi '00 cited networking as his main purpose for participating in the conference. "It's a great opportunity to meet people doing business in Africa. It's useful to know who's working on what and to identify the different problems in the developing countries," Adeyemi said.

MIT plans similar initiatives

The MIT Africa Internet Technology Initiative is hosting a conference entitled "Bridging the Digital Divide: The Role of Students" at MIT on April 6. Attendees may register online at <<http://web.mit.edu/mit-africa/AITTI/conference>>.

A seminar series at MIT focused on issues facing entrepreneurial ventures in Africa is in the brainstorming stages. Victor K. Mallet '02 and other students are discussing the idea with various faculty members and seeking the appropriate faculty sponsor for this seminar, which they hope to launch by this fall.

Broadband telecommunications is on a roll in Georgia. Believe it. The Yamacraw broadband design program is helping Georgia create over 2,000 attractive jobs for new engineers with powerhouses here like Broadcom, CIRREX, CIENA, StarCore, Wi-Lan, Echostar, Barco, Cypress, MicroCoating Technologies, Nortel Networks, SecureWorks, IDT, Movaz, Luxcore, RF Solutions, Ardext Technologies, BellSouth, Quantira Technologies, and Quellan. If your life is Broadband, live it in Georgia midst a marvelous climate, a wealth of natural resources and recreation and a favorable cost of housing and living. To submit a resume into the jobs database or for more surprising information, visit www.yamacraw.org/jobs



BROADBAND IS SOARING IN GEORGIA.

Solution to Crossword

from page 10

M	E	S	S	S	I	T	S	B	A	R	O	N
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O	L	D	E	R	E	W	E	R	Y	A	L	E

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ERIKA BROWN—THE TECH

Instead of enjoying a traditional vacation, these MIT Alternative Spring Break members spent last week working with Teach For America in inner-city Washington, DC classrooms. This year's six ASB sites focused on issues of education, poverty, housing, and AIDS.

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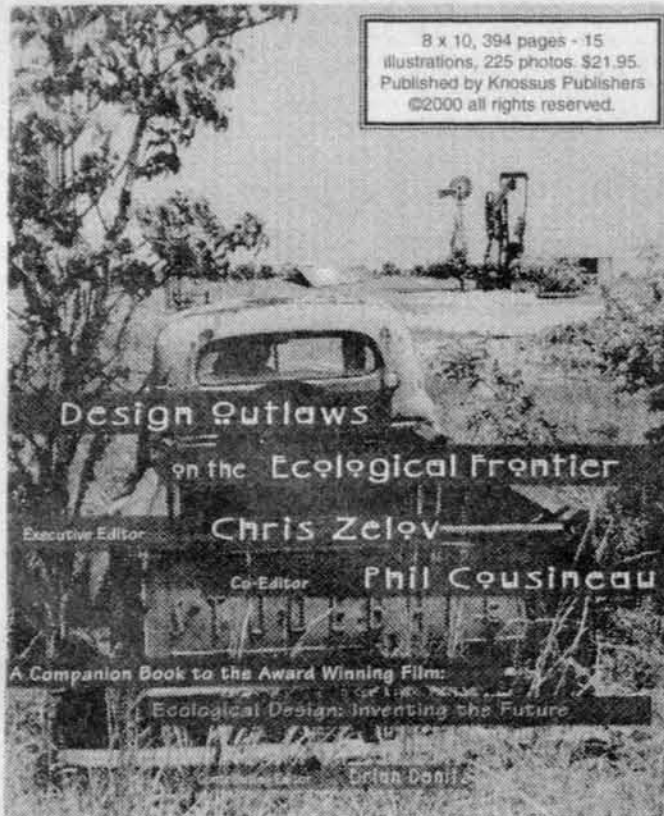
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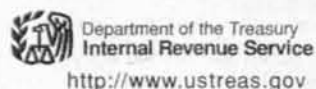
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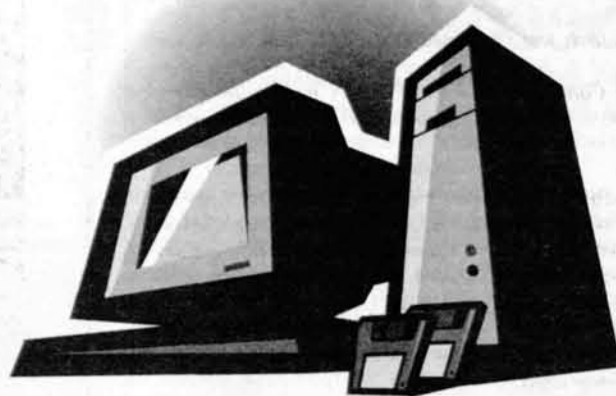
The Office of Admissions is now accepting applications for the position of Admissions Counselor. This is a one-year full-time position beginning in July 2001. Duties include:

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POLICE LOG

The following incidents were reported to the MIT Campus Police between March 1-April 1, 2001. This summary contains most incidents reported to the Campus Police but does not include incidents such as medical shuttles, ambulance transfers, false alarms, general service calls, etc.

March 1: Massachusetts Avenue bus stop, homeless person; Bldg. E25, homeless person sleeping on steps; Bldg. E15, homeless person; Bldg. E25, coat stolen, \$220; Hayward Garage, two juveniles arrested for trespassing; Bldg. 10, ATM card left in machine and \$100 withdrawn from account.

March 2: East Campus, annoying phone calls; Bldg. 10, coat stolen, \$420; Bldg. 57, person refusing to leave area; Bldg. NW61, check and inquiry of individual.

March 3: MacGregor, identity fraud; McCormick, report of missing person, same later located; Windsor Lot, vehicle broken into and camera equipment stolen, \$3,480; Bldg. E39, suspicious person; Boston, Dale Francis of 27 Boylston St. #4, Jamaica Plain, Mass., arrested for disorderly person and other related charges.

March 4: Senior House, noise complaint; Bldg. W34, suspicious activity; Westgate lot, attempted break into a vehicle; Bexley, check on student, advised to call home; Bldg. 36, suspicious person.

March 5: Westgate lot, suspicious vehicle; Bldg. 14, CPU stolen, later recovered; Boston, Theta Chi, report of snowball thrown at a car, smashing the windshield.

March 6: Boston, assist Boston Police, Theta Chi, unauthorized persons on roof and snowball fight; New House, window smashed from snowball; Westgate, Latasha Long arrested for domestic assault; Bldg. NW10, assist Cambridge Police with homeless person.

March 7: Du Pont, unwanted persons in gym; Student Center, check and inquiry, trespass warning issued.

March 8: Assist Cambridge Police at Westgate on a 911 hang-up, person attempting to make international telephone call; Bldg. 7, snowman hack on dome; Bldg. E28, suspicious activity; Student Center, Courses, suspicious person.

March 9: Westgate, stove fire, extinguished by resident; Bldg. 26, homeless person; Bldg. 68, report of person in building going through trash; Student Center, report of suspicious person.

March 10: East Campus, non-affiliated intoxicated person placed in protective custody of Cambridge Police; Bldg. N51, suspicious person.

March 11: Cambridge, WILG, report of homeless person; Bldg. W31, Jay-Hawn Lee of 10 Museum Way, Cambridge, Mass., arrested on an outstanding warrant; Sloan lot, report of suspicious person; Albany Street, report of a disturbance, notified Cambridge Police; Student Center, Hugh Ennis of 84 Wheatland Ave. #2, Dorchester, Mass., arrested for larceny; Rockwell Cage, wallet stolen containing \$500 cash; Bldg. 26, report of a suspicious person, homeless.

March 12: Bldg. 9, 1) palm pilot stolen, \$300; 2) office items stolen, \$710; New House, bike stolen, \$220; Bldg. 7, annoying phone call; Du Pont, wallet stolen, \$40; Bldg. N42, suspicious person; Bldg. 37, report of suspicious person.

March 13: Bldg. E52, report of suspicious package, discovered to be books; West Lot, vehicle broken into and attempt to steal same, 2001 VW Jetta.

March 14: Massachusetts Avenue by 77, Joseph Marquez of 5 Madison St., Cambridge, Mass., arrested on outstanding warrant; Bldg. 38, threats between MIT employee and construction worker; Bldg. NW10, emergency line hang up call, responding officers discovered person attempting to make an international call.

March 15: Bldg. 9, homeless person tore papers off bulletin board; Bldg. E60, officers respond to a report of a verbal disagreement; Bldg. 66, larceny of paper.

March 16: Senior House, officers conduct a well being check; Bldg. 66 and 68, report of a strange odor; Bldg. 2, report of suspicious activity.

March 17: Bldg. NW10, noise complaint; Bldg. 66, report of persons leaving area with a couch; Bldg. 54, report of person stuck in revolving door; Du Pont Gym, report of altercation; Main Street, assist Cambridge Police with vehicle accident.

March 18: Bldg. W31, report of a past assault; rear of Bldg. NW22, officers respond to a sudden death.

March 19: Bldg. 7, attempted hack discovered; Cambridge, No. 6 Club, sporting equipment stolen, \$168; Bldg. 14, backpack stolen, \$30; Green Hall, report of a suspicious package, discovered to be a gift.

March 20: Bldg. E19, wallet containing \$70 stolen and debit credit card used; Bldg. 2, VCR stolen, unknown value; Du Pont, unauthorized youths in area.

March 21: Bldg. E40, wallet containing \$60 stolen; Bldg. 18, larceny of a pump, \$544; Bldg. E17, vacuum stolen, \$100; Bldg. E15, suspicious activity; Bldg. W20, assist Boston Police with serving an arrest warrant; Bldg. W31, disorderly person at MIT Police, same was removed; Bldg. 68, suspicious person.

March 22: Bldg. N52, people sleeping in a room, persons identified; New House, cell phone and cash stolen, \$330; Student Center, suspicious activity; Bldg. E51, VCR stolen, \$500; Bldg. E19, suspicious person, trespass warning issued; Edgerton, homeless person.

March 23: Bldg. NW10, illegal use of stolen MIT ID; Bldgs. 18 and 66, in three men's restrooms sinks were ripped off the walls; Ashdown, larceny of mail; Bldg. E60, wallet and contents stolen, \$80 cash; Bldg. 6, larceny of a suitcase and backpack, unknown value; Ashdown, noise complaint; Lobby 7, hack; Main Lot, person called from cell phone to state he was stuck in his car and can't get free; Du Pont, unauthorized entry; Bldg. NW61, suspicious person.

March 24: Student Center, 1) male taken into custody for two outstanding warrants; 2) suspicious activity; Tang Hall, suspicious persons; Bldg. 24, construction tools stolen, \$2,000; Bldg. 16, laser stolen, unknown value.

March 25: Boat House, report of female screaming, unable to locate any problem; Briggs Field, received call from State Police stating they received a call about a fight and a possible gun involved, other party had left and no gun was involved; Bldg. 5, damage to a computer and larceny of books, \$60.

April 1: Daylight savings begins; Cambridge street cleaning begins, too.

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Baltimore Delivers Hughes Talk

By Michael J. Ring
EDITOR IN CHIEF

California Institute of Technology President and Nobel laureate Dr. David Baltimore delivered the 2001 Howard Hughes Lecture entitled "The Many Facets of NF-Kappa B," on Friday, March 23 in a packed 10-250.

The lecture, hosted by the Biology Undergraduate Students' Association (BUSA), included an hour presentation followed by a short question-and-answer period.

"We were fortunate to have Dr. Baltimore come," said Elaine Y. Wan '01, a former president of BUSA who helped organize the event.

While Baltimore is a popular figure nationwide, Wan said that he was eager to return to MIT. "He hadn't come back here to give a talk since 1997 and quickly said yes," Wan said.

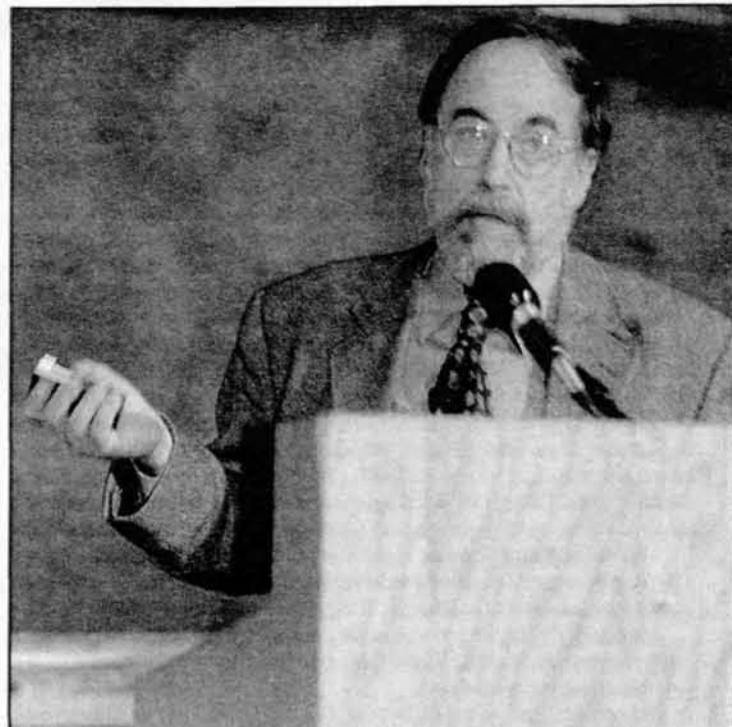
Wan added that the visit had been planned for a year by herself, Lucy Q. Shen '00, and other members of BUSA.

Baltimore speaks on NF-Kappa B

Baltimore did research on nuclear factor-Kappa B in the late 1980s and early 1990s. Baltimore said that NF-Kappa B is a transcription factor stored in the cytoplasm of the cell involved in responses to stimuli, typically inflammation or infection. "The picture we now have of NF-Kappa B is that of a rapid response system," Baltimore said.

He explained that NF-Kappa B consists of proteins which, when triggered, cause a series of events to prevent other substances from killing cells. Cells without NF-Kappa B are vulnerable to attack from substances which destroy cells, Baltimore added.

Recent biological research suggests that NF-Kappa B may be inhibited in the progression of HIV virus, for example, and may also be involved in the working of a tumor



KATHY CHEN—THE TECH

Dr. David Baltimore, the president of Caltech and a Nobel laureate in physiology or medicine, lectures on "The Many Facets of NF-Kappa B."

necrosis factor called TNF-alpha.

"It was a very technical and specific lecture," Wan said.

Baltimore converses with students

Among the events on Baltimore's schedule were meetings with graduate and undergraduate students from the department of biology.

At the undergraduate luncheon, Baltimore addressed the subject of human cloning. Wan, noting that the topic was timely as Professor Rudolf Jaenisch had recently testified before Congress on the subject, said that cloning was "the most interesting thing [Baltimore] talked about" during his visit.

According to Wan, Baltimore stressed that American scientists

should take a clear stand against cloning before further controversy unfolds.

Wan said that Baltimore discussed patent issues at the graduate student reception and also compared the environments at MIT and Caltech. Baltimore said the atmosphere at Caltech was a little cozier because of that institution's smaller size, Wan added.

Baltimore served as a professor of biology at MIT and founding director of the Whitehead Institute for Biomedical Research before becoming president of Caltech.

Baltimore shared the Nobel Prize in physiology or medicine in 1975 for his work in discovering the reverse transcriptase enzyme.



PHYSICS DEPARTMENT

FRESHMAN OPEN HOUSE

DATE: WEDNESDAY, APRIL 4, 2001
TIME: 3:00-4:30 PM
PLACE: PHYSICS COMMON ROOM, 4-339

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Fencing Tops Many Division I Schools

Fencing, from Page 24

NCAA Division I regionals held at Boston College.

At this tournament, Philip W. Miller '01 finished in fifth place in men's sabre, closely followed by squad mate Burstein in sixth. In men's foil, Chadwick gave an amazing performance to capture 12th place, competing against fencers such as Jed Dupree, (Columbia/Barnard) who later went on to become the NCAA national champion.

On the women's side Purcell came in second, losing only a single bout to the NCAA national champion, Sada Jacobson, while squad mate McKeehan followed closely behind in fourth place.

MIT qualified five fencers, Miller, Burstein, Chadwick, Purcell, and McKeehan, for the NCAA Division I National Championships.

Two more fencers had outstanding performances: Smith placed ninth in women's epee, and Allen placed 12th in women's foil. Smith and Allen were both nominated for at large selection for nationals.

Burstein beats world champion

Two weekends ago, the five national qualifiers, head coach Jarek Koniusz and assistant coach Evan Efstathiou '00 set out to Wisconsin for the NCAA National Championships. Each qualifier had to face off with 23 of the top fencers in the country over two days of competition.

The men's sabre competition proved rough, with U.S. Olympian Keith Smart and junior world champion Ivan Lee present at the tournament. Miller and Burstein, however, stepped up to the challenge and gave the two teammates a performance they will remember.

Lee, who went on to win the championships, was defeated by Burstein in an emotionally and technically challenging bout.

Their performance during the two days of the competition placed Miller 15th and Burstein 21st in the U.S. collegiate fencing arena.

Chadwick also had tough competition to face but he fought his best to place 22nd in men's foil.

Purcell captures Division I bronze

The women national qualifiers, Purcell and McKeehan, also had an impressive two days. Purcell finished second after the two days of

pools but was then defeated by a single touch in the semifinals. Purcell went on to capture the bronze medal.

Squad mate McKeehan, at her first NCAA Nationals, finished her season by placing 13th in the tournament. In her last bout of the competition and this fencing season McKeehan went up against Sada Jacobson, the NCAA women's sabre champion. McKeehan proved to be the only fencer at nationals (and during the entire season) to defeat Jacobson, winning 5-2 in a strong bout.

MIT ranked first in Division III

The coaches poll held before the tournament ranked the MIT women's team 11th in the United States, while the men were ranked 13th. At the end of the tournament, combined results from the men's and women's team placed them 12th within the U.S. Division I ranking. MIT is the top ranked Division III school in U.S. intercollegiate fencing and placed higher than many Division I schools.

Fencers aim for world rankings

Purcell has brought home the gold from the NCAA Division I Championships last year and the bronze at this year's tournament. She is currently ranked third in the U.S. team rankings and 21st in the world rankings for women's sabre. Besides her victory at the Junior Pan American Games last year, Purcell has also been competing in senior "A" World Cups. This year, her results include eighth place in Peabody, Mass., 28th place in Tabuerbischofsheim, Germany, 26th place in Orleans, France, and 30th in Budapest, Hungary. Her next World Cup foray is going to be a U.S. team event in Koblenz, Germany in two weeks. Coach Koniusz was asked to accompany the U.S. team for this event.

Efstathiou was named the king of the castle by local papers after his recent victory in the ancient castle of Orebro, Sweden. Efstathiou fought against fencers from Sweden, Finland, Great Britain and others to capture the gold medal in the individual event. However, one gold was not enough, and he recruited a team to capture a second gold medal in the team event. More recently, Efstathiou attended a B Cup in Edinburgh, Scotland, coming in ninth, and visited the Senior Provincial Championships in Toronto with Nora Szasz G, where



MIT men's fencing team: (back row, left to right) Nora Szasz '99 (asst. coach), Jarek Koniusz (coach), Arjun R. Narayanswamy '02, Richard D. Burstein '02, Chengwei Pei '03, Doug J. Quattrochi '04, Timothy R. Kreider '04, Tin Lun Au '04, Brendan Miller G, Birendro M. Roy '02, Michael P. Pihulic '04, Evan L. Efstathiou '00 (asst. coach), Tan T. Trinh '97 (coach); (front row, left to right) Brian T. Rosenfeld '04, Oliver J. Chadwick '02, Jason M. Levine '03, Ali H. Ibrahim '01, Philip W. Miller '01, Andre D. Van Horn '01, Robert Hooker '03, Anthony P. Reinen '03, Neal K. Devaraj '02, Matthew R. Levy '04.



MIT women's fencing team: (back row, left to right) Nora Szasz '99 (asst. coach), Jarek Koniusz (coach), Jennifer A. Lue '03, Emily E. Cofer '04, J. Joan Hon '01, Dianne K. Allen '01, Natalie E. Cusano '02, Christine A. Yee '03, Evan L. Efstathiou '00 (asst. coach), Tan T. Trinh '97 (coach); (front row, left to right) Danielle M. Morse '02, Jen A. McKeehan '01, Clarissa Y. Smith '04, Priscilla del Castillo '04, Sasha R. Manoosingh '03, Susan A. Juan '02, Rayka Yokoo '02.

they both captured the bronze medals in men's sabre and women's epee respectively. Szasz also brought home a silver medal in the team event. Efstathiou is currently ranked 150th in the world.

Eight MIT fencers also attended North American Cups and placed within top the 48, earning U.S. national points. They are Allen in women's foil, Caprice Gray '00 and Purcell in women's sabre, Szasz in women's epee, Brian Bower '99, Burstein, and Efstathiou in men's sabre, and Chadwick in men's foil. Most notably, this season Purcell placed sixth in women's sabre, and Szasz placed

12th in women's epee.

Koniusz coaches MIT to victories

Coach Koniusz has been a head coach for the MIT varsity fencing teams for the past seven years. During this time he managed to create two closely knit and highly competitive teams that qualify an increasing number of fencers to the NCAA Division I National Championships. MIT qualified a total of four fencers between 1992 and 1998, four in 1999, four in 2000, and five fencers this year.

Results do not come without hard work. Fencing has one of the longest athletic seasons. The two-hour fencing

practices start in the early fall and continue until spring break. Outside of regular practices, coach Koniusz also gives several hour-long lessons each day. During the season, MIT fences in 11 day-long competitions.

Coach Koniusz's successes started far before he came to MIT. He fenced men's sabre for Poland, finishing his competitive career with a silver medal at the World Cup in 1989. He then came to the United States, first teaching in New York City, and later accepting a position at MIT. Recently the Polish Fencing Federation also honored coach Koniusz by an award for his contribution to the sport of fencing.



Andrea E. Noronha '03 grabs the ball from a Wellesley player during the women's lacrosse game on Saturday. MIT lost to Wellesley College 18-5.



Matthew P. Van Home '02 runs past a Massachusetts Maritime Academy player during the men's lacrosse match on Saturday, March 24. MIT won the match 19-8.

SPORTS

Fencing Teams End With Strong Finish

By Nora Szasz
ASSISTANT COACH

MIT's men's and women's fencing teams turned in another impressive season by leading all NCAA Division III schools and dominating competitive Division I programs.

MIT women finished the season with an impressive 18-3 record to win the New England Championships, while the men followed behind with a 14-5 season record to capture second place behind Brown University.

Fencers place at New Englands

These team successes were backed up with several individual medals. The men's team captured two bronze medals with Oliver J. Chadwick '02 in men's foil and Richard D. Burstein '02 in men's sabre. On the women's side, captain

Caroline M. Purcell '02 and squad leader Dianne K. Allen '01 captured the golds in women's sabre and women's foil respectively. This was followed by freshman Clarissa V. Smith '04 capturing the silver medal in women's epee. This feat was especially impressive, since Smith started fencing only this past fall, while some of her opponents had close to a decade of experience. Finally, Joan Hon '01 and Jennifer A. McKeehan '01, both of whom had started fencing at MIT, brought home the bronze medals in women's foil and women's sabre respectively.

MIT qualifies nine for regionals

The MIT team, however, did not stop at the New England level. Each team qualified nine people, the maximum number that can qualify from any school, to compete at the



Dianne K. Allen '01 (right) lunges at an opponent during a meet earlier this season.

TEAM PHOTO

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NCAA Division I Fencing Rankings

Place	School	Bouts Won
1	St. John's University	180
2	Pennsylvania State University	172
3	Notre Dame	153
4	Stanford University	139
5	Princeton University	112
6	Columbia/Barnard	108
7	University of Pennsylvania	85
8	Ohio State University	82
9	Yale University	80
10	Wayne State University	58
11	Temple University	52
12	MIT	49
13	Rutgers University	46
14	Northwestern University	45
15T	New York University	43
15T	U.S. Air Force Academy	43
17	UNC, Chapel Hill	35
18	Brown University	33
19	Harvard University	28
20	Duke University	21

Glossary of Fencing Terms

The Weapons

Foil, epee and sabre are the three weapons used in the sport of fencing. While it is not unusual for fencers to compete in all three events, they generally choose to develop their skills in one weapon.

Foil and epee are point-thrusting weapons. Sabre is a point-thrusting as well as a cutting weapon. The target areas differ for the three weapons, though all three are scored electrically.

Object

The main object of a fencing bout is to effectively score 15 points (in direct elimination play) or five points (in preliminary pool play) on your opponent before he or she scores that number on you. Each time a fencer scores a touch, he or she receives a point. Direct elimination matches consist of three three-minute periods.

Foil

The foil has a flexible rectangular blade, approximately 35 inches in length, weighing less than one pound. Points are scored with the tip of the blade and must land within the torso of the body.

The valid target area in foil is the torso, from the shoulders to the groin, front and back. It does not include the arms, neck, head and legs. The foil fencer's uniform includes a metallic vest (called a lamé) which covers the valid target area, so that a valid touch will register on the scoring machine. A small, spring-loaded tip is attached to the point of the foil and is connected to a wire inside the blade. The fencer wears a body cord inside his or her uniform which connects the foil to a reel wire, connected to the scoring machine.

There are two scoring lights on the machine. One shows a green light when a fencer is hit, and one shows a red light when his or her opponent is hit. A touch landing outside the valid target area (that which is not covered by the lamé) is indicated by a white light. These "off target" hits do not count in the scoring, but they do stop the fencing action temporarily.

Epee

The epee, the descendant of the dueling sword, is similar in length to the foil, but is heavier, weighing approximately 27 ounces, with a larger guard (to protect the hand from a valid hit) and a much

stiffer blade. Touches are scored only with the point of the blade. The entire body is the valid target area.

The blade is wired with a spring-loaded tip at the end that completes an electrical circuit when it is depressed beyond a pressure of 750 grams. This causes the colored bulb on the scoring machine to light. Because the entire body is a valid target area, the epee fencer's uniform does not include a lamé.

Off-target hits do not register on the machine.

Sabre

The sabre is the modern version of the slashing cavalry sword, and is similar in length and weight to the foil. The major difference is that the sabre is a thrusting weapon as well as a cutting weapon. The target area is from the bend of the hips (both front and back), to the top of the head, simulating the cavalry rider on a horse. The sabre fencer's uniform includes a metallic jacket (lamé), which covers the target area to register a valid touch on the scoring machine. The mask is different from foil and epee, with a metallic covering since the head is valid target area.

Just as in foil, there are two scoring lights on the machine. One shows a green light when a fencer is hit, and one shows a red light when the opponent is hit. Off-target hits do not register on the machine.

Right-Of-Way

One of the most difficult concepts to visualize in foil and sabre fencing is the rule of right-of-way. This rule was established to eliminate apparently simultaneous attacks by two fencers.

In essence, right-of-way is the differentiation of offense and defense, made by the referee. The difference is important only when both the red and green lights go on at the same time in foil and sabre. When this happens, the winner of the point is the one who the referee determined was on offense at the time the lights went on.

Epee does not use the right-of-way in keeping with its dueling origin — the fencer who first gains the touch earns the point. Or, if both fencers hit within 1/25 th of a second of each other, both earn a point. However, it is equally important to have a sound defense for epee, since the entire body must be protected from a touch.

Source: US Fencing Association

UPCOMING HOME EVENTS

Tuesday, April 3

Men's Baseball vs. WPI, 3:00 p.m.
Men's Tennis vs. Tufts University, 3:00 p.m.
Women's Lacrosse vs. Babson College, 4:00 p.m.

Wednesday, April 4

Men's Tennis vs. WPI, 3:00 p.m.
Men's Lacrosse vs. UMass-Boston, 4:00 p.m.

Thursday, April 5

Men's Baseball vs. Clark University, 3:00 p.m.
Women's Lacrosse vs. Colby-Sawyer College, 5:00 p.m.

Friday, April 6

Men's Baseball vs. Brandeis University, 3:00 p.m.

Saturday, April 7

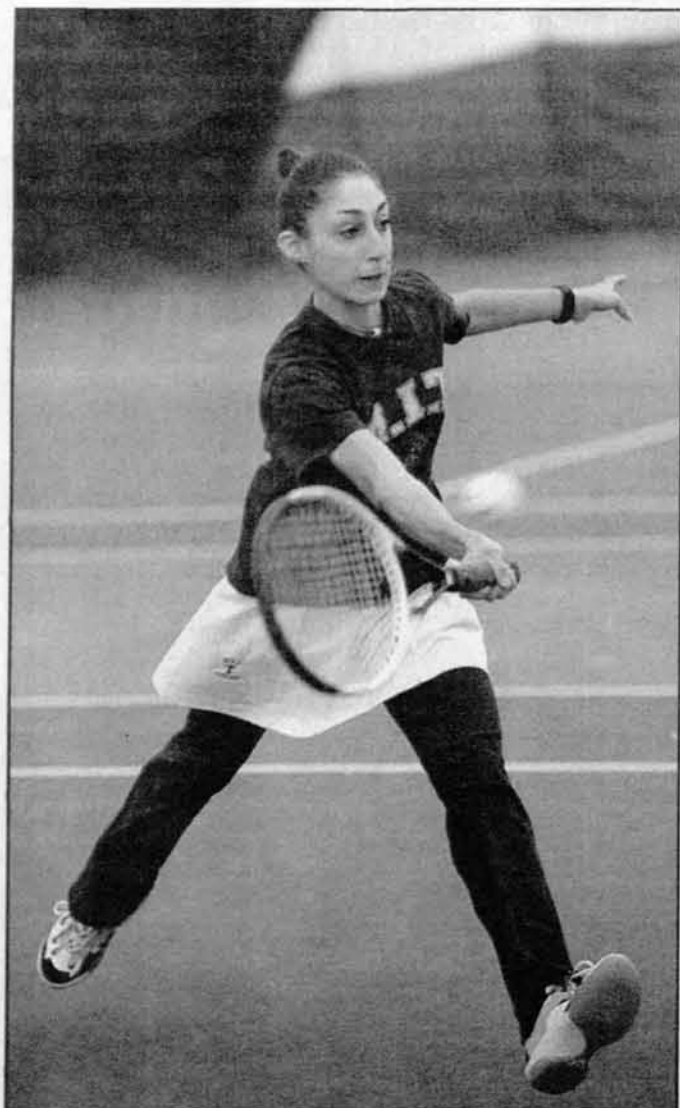
Coed Sailing, Metro Series 2
Women's Sailing, Emily Wick Trophy
Softball vs. Mount Holyoke College, 12:00 p.m.
Men's Tennis vs. Clark University, 1:00 p.m.
Women's Lacrosse vs. Springfield College, 1:00 p.m.

Sunday, April 8

Lightweight Crew vs. U.S. Military Academy
Women's Sailing, Sloop Shrew Trophy
Men's Tennis vs. Bowdoin College, 2:00 p.m.

Tuesday, April 10

Men's Baseball vs. Babson College, 3:30 p.m.
Softball vs. Babson College, 3:30 p.m.
Men's Lacrosse vs. Connecticut College, 4:00 p.m.
Women's Lacrosse vs. Endicott College, 5:00 p.m.



AARON D. MIHALIK—THE TECH

Jessica Hall '02 returns a shot during the women's tennis match on Saturday. MIT lost to Vassar College 9-0.