

Teams Face Funding Cutbacks

By Dave Bailey

The Athletics Department eliminated all junior varsity sports teams this academic year in an attempt to keep expenditures under budget while complying with NCAA Title IX gender equity regulations, according to Director of Athletics Richard A. Hill.

In addition, caps have recently been placed on how many athletes can compete for each varsity team.

"This is a very sensitive issue that goes right to the top of MIT. The bottom line is that varsity ath-

letics are not a high enough priority to receive the proper funding to support its 41 varsity sports. Apparently the choice is to reduce sports and spend the budget on those teams or keep what you've had and do the best you can with inadequate funding," said Men's Soccer Coach Walter Alessi who had to cut the men's soccer sub-varsity program this year.

"I was surprised, upset and disappointed. I had informed all incoming soccer freshmen that a sub-varsity program would be available to them if they did not make

varsity."

When athletes showed up for practice in late August, Alessi said, he had to inform them there was no program for those who did not make the varsity team.

Athletics director blames Title IX

While many attribute the cuts solely to budgetary constraints — the Athletic Department budget has flatlined since 1987 — Hill also attributed the cuts to MIT's JV programs attempts to comply with Title IX.

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Domecoming Kicks Off with Rally

By Efen Gutierrez

Domecoming, MIT's own version of a traditional homecoming weekend, begins today. This will be the first large-scale homecoming celebration MIT has held since the early 1980s.

MIT's football team will face off against Curry College in the homecoming game, Saturday at noon.

Other events include Amherst Alley Rally, an outdoor movie, a tailgate barbecue, and the Domecoming Ball following the game. All events will require a college ID for entrance. Only MIT students will be able to get the free food that will be served at the alley/pep rally, the barbecue, and

the ball.

Events to promote campus unity

"All these events are to bring all of campus together for this weekend," said Nicole Balli '00, a Dormitory Council representative.

Homecoming Organizer Puja Gupta '00 said, "Basically, we want students to have a good time and get that MIT high."

Events for Friday will begin with a rally in Amherst Alley. Amherst Alley will be closed off to all commuter traffic.

Edable Grays, a local Boston circuit band, will perform. JAM'N 94.5 FM and the Domecoming Committee will hold free prize giveaways at the rally.

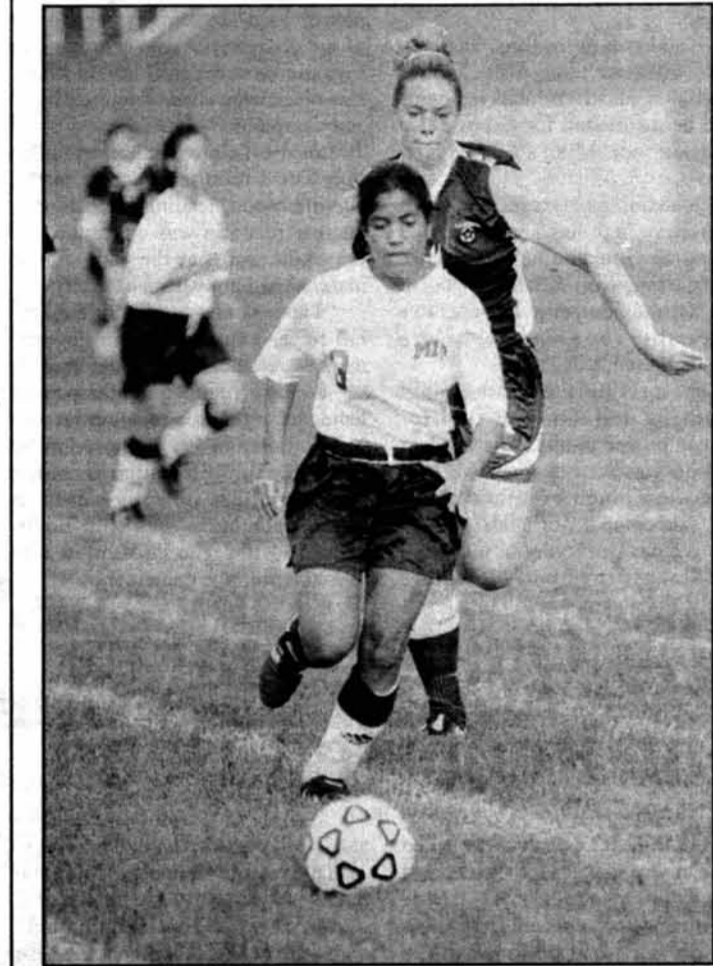
The Amherst Alley Rally will incorporate a short pep rally, sponsored by the Varsity Club, during which representatives from most varsity teams will speak out about their seasons.

"This is a really good way for the MIT teams to be recognized for all their hard work and effort" Gupta said.

After the rallies, the Domecoming committee will hold an outdoor showing of "Dazed and Confused," starring Ben Affleck, Matthew McConahey, and Neve Campbell.

If it should rain Friday, the alley rally will be canceled but the out-

Domecoming, Page 21



Paola Nasser '01 runs the ball ahead of a Babson College player. MIT lost the match against the defending conference champion 3-1. MIT's goalkeeper made six saves and Babson's made three. See story page 33.

Pamphlet Offers Drug Use Advice

By Anna K. Benefiel
STAFF REPORTER

Over the past two weeks, 2,250 copies of a pamphlet entitled, "Drugs At MIT, A Practical Guide for the Intoxicated Engineer" have been distributed on campus.

The pamphlet, which includes information and advice relating to eleven drugs, appeared on *The Tech* news stands and in the Student Center coffeehouse.

"Published anonymously for protection of the authors," the pamphlet says that it "accept[s] the fact that you will use, or might be considering using, drugs."

Pamphlet motivated by death

An author of DAMIT, who wished to remain anonymous, said that he published the pamphlet in an effort to increase the safety of students who chose to use recreational drugs and were not being educated by the Institute.

"MIT seems to be dealing with its own politics and less with its own students," he said. DAMIT is an effort to "try to help out the students." The pamphlet hopes to be a source of reliable information "instead of allowing people to rely

DAMIT, Page 20

Council Candidate Campaigns on Affordable Housing

By Frank Dabek
EDITOR IN CHIEF

James Williamson is running for Cambridge City Council on a progressive platform dedicated to affordable housing and maintaining the character of Cambridge, especially the Central Square area.

Williamson has a number of connections to the MIT community. He stressed his involvement in efforts to aid Lori Berenson, a former MIT student who is currently serving a life sentence in Peru. Berenson was convicted of terrorism charges by a military tribunal but has always maintained her innocence.

Williamson worked with Martin Diskin, a professor of Anthropology at MIT who passed away in 1997 and who taught Berenson, and Professor of Political Science Joshua Cohen to organize visits of Berenson's parents to the Institute and to form a base of support at MIT for Berenson.

As a councilor he could more effectively "lead and organize a national effort to finally get Lori out of prison in Peru" and hopes to invite MIT President Charles M. Vest to be part of a contingent to visit Peru on behalf of Berenson.

Improving City/Institute relations

Williamson also acknowledged the "tremendous impacts" that MIT and Harvard University have on

Cambridge. He pointed out that Harvard's *in lieu* of tax agreement expires soon and called for a "major honest, fair, sensible debate about what the responsibilities of the universities to Cambridge ought to be." The approximately \$1.4 million paid by the property tax exempt MIT and Harvard to the city is "chump change," he said.

While Williamson applauded MIT's commitment to provide more housing for students he called on the Institute to "make some commitment to [housing] staff" and faculty to further reduce pressures on Cambridge's housing market. MIT should "mitigate its effect on the community they are an extremely important part of."

Of the planned Stata Center, Williamson said, "If MIT can afford zillions of dollars to build a building by the world's most prestigious architect" they can "do better in providing housing for staff."

Williamson is an advocate of rent control but focuses his attention on extending the group of people eligible for public assistance with housing. The city should "address low-moderate to moderate income people" who are currently ineligible for assistance and consequently not able to live in Cambridge.

Other issues important to students

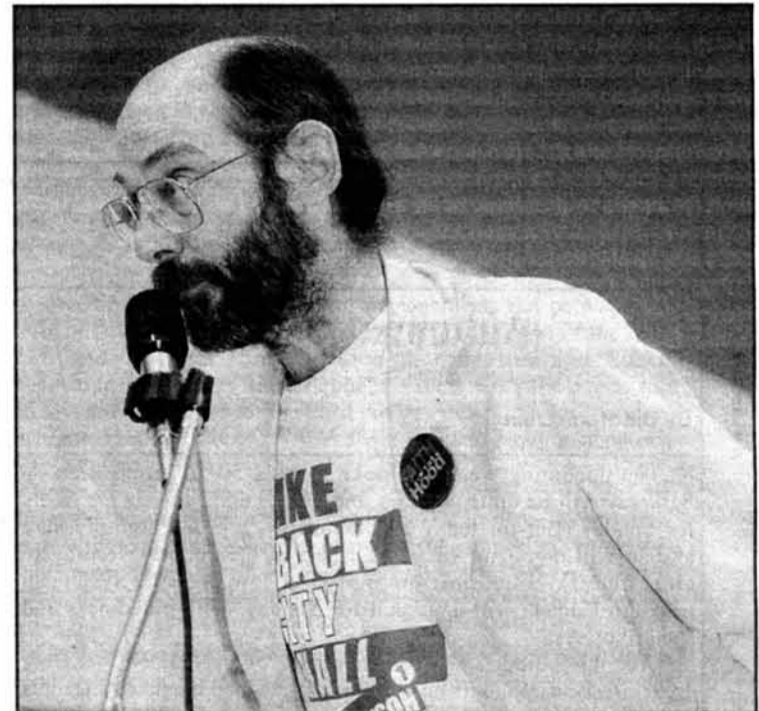
Williamson has been a part of the "save Central Square" movement which is fighting new development in the area. The group has delayed the construction of a Gap store through court action, he said.

If students want a "fun, interesting, affordable place to be part of in Central Square" with clubs, arts, dance, and theater, they "want to support someone like me," he said. The fight for the area is at a "crucial moment."

Williamson's safety proposals include improving pedestrian safety on Memorial Drive in addition to safety for students throughout Cambridge. There is a balance to be

found between the safety concerns of students and those of other residents, he said — "some people rob you with a six-shooter, some with a fountain pen."

Williamson also acknowledged the need for late night transport. He proposed a system of "dollar cabs" which would run along Mass. Ave. from the river to Harvard Square for the flat rate of a dollar per rider after hours.



James Williamson

OMAR ROUSHDY—THE TECH

Straight from the medical experts, *The Tech* offers a guide to safer sex@mit.



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Comics

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James D. Watson, co-discoverer of DNA, speaks at Harvard to celebrate the Center for Genomics Research.

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WORLD & NATION

Palestinians Harbor Hope for Gaza Port

LOS ANGELES TIMES

GAZA CITY

Along the beach south of here, where donkeys pull carts through thick beige sand and fishermen cast nets into the Mediterranean, Palestinians are staking a major portion of their future.

Soon, at a spot six miles south of Gaza City, construction is due to begin on a \$70 million harbor that backers hope will breathe life into a moribund Palestinian economy while also marking another significant step in the voyage to national independence.

Despite miles of coastline, businesspeople in the largely Palestinian-controlled Gaza Strip must go through Israel for most of their trade.

The Palestinians complain that Israeli middlemen nearly double the costs for imported goods, from automobiles to furniture, while Israeli-imposed delays play havoc with Palestinian exports of fruits and vegetables.

After years of testy negotiations, Palestinians finally have the right to build and operate — under some restrictions — their first seaport.

Last year's U.S.-brokered Wye Plantation accord put the Gaza harbor in writing, and another agreement ratified this month at Sharm el Sheik, Egypt, gave the green light for an Oct. 1 construction start date.

The Israeli government will maintain overall control. Worried that the port could be used to bring in weapons or other illicit cargo, the Israelis will supervise the construction and will check all incoming and outgoing shipments twice — once at sea and again on land, inside the harbor complex.

Palestinian officials complain that the Israelis put up numerous obstacles to construction of the airport, such as blocking the transport of building materials. They hope for better from the new government of Prime Minister Ehud Barak.

Uranium Processing Plant Leaks Radiation in Japan

By Kathryn Tolbert
THE WASHINGTON POST

TOKYO

A leak at a uranium processing plant about 75 miles northeast of Tokyo spread radiation Thursday over a densely populated area and sent three workers to the hospital, two of them in critical condition.

It was the worst accident in the history of Japan's nuclear power industry, which has experienced a series of recent mishaps.

About 150 people living near the Tokaimura plant were immediately evacuated as the area was sealed off, and thousands of others within a five-mile radius were told over loudspeakers not to go outside until the radiation level decreased. Around the plant radiation had reached 4,000 times normal level, according to the govern-

ment's Science and Technology Agency.

In addition to the three hospitalized workers, 11 other plant employees and five local residents were being treated for exposure to radiation, according to local officials.

"A major accident resulting in a radioactive leak has happened. We apologize from the bottom of our hearts," said Koji Kitani, president of JCO, the company that operates the facility, bowing deeply at a news conference in Tokyo.

The privately operated plant processes uranium into fuel for nuclear power plants. The nuclear reaction was set off when workers mixed too much uranium in the tank, said company officials.

"We are still trying to find what exactly happened but we believe

the uranium reached the critical point," said Makoto Ujihara, head of the company's Tokyo office. He said the workers told others "they saw blue flame rising from the fuel" and complained of nausea.

Local officials monitoring radiation levels reported a surge in the late afternoon, leading to fears that nuclear reaction was continuing at the plant and that the radioactive material had not yet spent itself.

"The situation is one our country has never experienced," a government spokesman said.

Among recent nuclear power incidents, a fire at a separate facility at Tokaimura in 1997 exposed more than 30 people to radiation. Last July a nuclear power reactor in Fukui prefecture was shut down after radioactive coolant water leaked within the container.

Magnitude 7.5 Quake Shakes Mexico, Eight Reported Dead

LOS ANGELES TIMES

MEXICO CITY, MEXICO

A powerful earthquake rocked Mexico on Thursday, killing eight people, shaking buildings in the capital to their foundations and sending frightened office-workers scurrying into the streets.

In the most affected areas in the southern state of Oaxaca, roofs crumbled, roads were damaged and electricity was cut in what was thought to be the most powerful quake to hit Mexico for 14 years.

The quake, which lasted for 42 seconds, was felt at about 11:31 a.m. (12:31 p.m. EDT) and measured a preliminary 7.5 on the open-ended Richter scale, the U.S. geological survey said.

The epicenter was close to the coast, 35 miles north-northwest of Puerto Angel, in the state of Oaxaca, 310 miles southeast of Mexico City, the survey said.

It was believed to be the most powerful quake to strike Mexico since 1985 when a pair of huge quakes killed up to 10,000 people, mainly in the capital. Those registered 8.1 and 7.3 on the Richter scale.

The governor of Oaxaca, Jose Murat, told the Televisa network

network that five people were killed in the city of Oaxaca, at least one of them by falling masonry.

Police later reported that a 13-year-old girl died of shock in the seaside resort of Puerto Escondido, just nine miles from the quake's epicenter, where some 20 people were also injured.

"People ran out into the streets of Puerto Escondido terrified. It was very strong," local police officer Pedro Ramon Moreno told Reuters by telephone.

The quake crumpled roofs, tore bridges in two and damaged roads, he said.

A Red Cross official said 23 others had been injured in Oaxaca.

"I am very worried about Oaxaca... we are activating the whole civil defense apparatus as always," President Ernesto Zedillo said of the state, one of Mexico's poorest.

The quake's strength suggested it was capable of causing extensive damage and loss of life in densely populated areas.

But by evening, the damage looked to have been well short of the devastation meted out by the quakes that have hit Turkey, Greece

and Taiwan in the last two months.

Television networks reported that in Mexico City, one person died of a heart attack apparently brought on by the quake. A woman was also reported killed when she ran panic-stricken out of her home in Cordoba, in the Gulf Coast state of Veracruz, and cracked her skull in a fall.

State news agency Notimex said electricity in the city of Oaxaca was completely cut off and there was damage to buildings.

Sandra Ramos, a journalist at the Oaxaca newspaper *El Imparcial*, said some schools were damaged and several fires broke out.

Hundreds of holiday-makers in the coastal resort of Huatulco rushed out of their hotels as the quake hit but there were no reports of damage, Notimex said.

The National Oceanic and Atmospheric Administration's Alaska Tsunami Warning Center initially issued "an advisory" for a possible tidal surge on the west coast of the United States, but later withdrew this warning.

In Mexico City, a helicopter broadcasting live images showed no signs of serious damage to buildings.

Discontent Grows Under Rule of Zimbabwe President Mugabe

THE BALTIMORE SUN

HARARE, ZIMBABWE

President Robert Mugabe, one of the last African autocrats, is leading his country into its 20th year of independence with its economy imploding and his control under growing threat.

Tsvangirai's Movement for Democratic Change, an umbrella grouping of trade unions, social, church and civic organizations, is the first nationally based opposition party to confront Mugabe in the former Southern Rhodesia.

A textile worker, miner, and union organizer, Tsvangirai, 47, invites comparison with Poland's Lech Walesa — a relative unknown springing from the workplace to prominence by facing down an entrenched regime.

But there is an even closer precedent next door in Zambia, where organized labor led the 1991 campaign that ended Kenneth Kaunda's 27 years in power.

Mugabe's ouster would send reverberations around southern Africa as it tries to adapt to South Africa's new post-apartheid assertiveness and forge regional political and economic solidarity in the face of continuing wars in the Democratic Republic of Congo and Angola.

But Mugabe retains near-dictatorial power over the machinery of both state and his ruling Zimbabwe African National Union-Patriotic Front (ZANU-PF). To dislodge him will take little short of political revolution.

Mugabe will run again in 2002 for the presidency where it's possible that Tsvangirai will run in opposition party.

WEATHER

Autumnal October

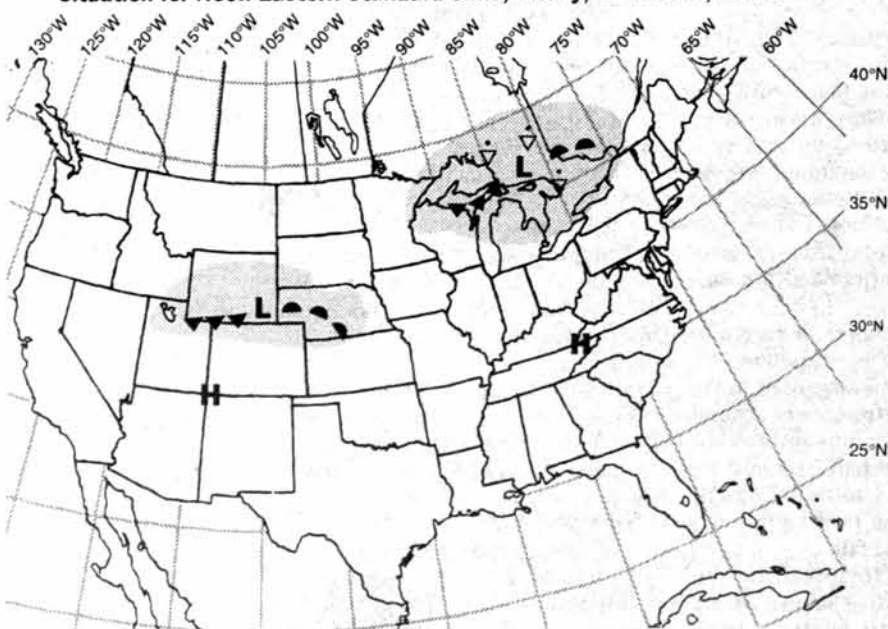
By Bill Ramstrom
STAFF METEOROLOGIST

The upcoming weekend looks to be a 50/50 proposition — Saturday will be quite pleasant, but clouds and showers are likely for Sunday. But for today and tomorrow, a broad high pressure system will dominate the eastern half of the country, leading to clear blue skies and low humidity. A low pressure system in southern Canada will approach for Sunday, with cloudiness and some showers.

Drought-ending rains over the course of September, including drenching downpours from the much-weakened hurricanes Dennis and Floyd, helped to bring Boston's annual rainfall totals up to normal levels. In much of the eastern U.S., hurricanes and their remnants make up an important fraction of annual rainfall; in fact, persistent drought in the 1960's in the Northeast is blamed, in part, on the dearth of landfalling hurricanes. Thus, while it may seem that the only purpose for hurricanes is to guarantee full employment of on-location news reporters, the more widespread but much less dramatic rainfall turns out to be the hidden benefit.

- Today: Sunny and breezy. High 68°F (20°C).
- Tonight: Clear and cool. Low 54°F (12°C).
- Saturday: Sunny, increasing high clouds. High 70°F (21°C).
- Saturday night: Overcast. Low 57°F (14°C).
- Sunday: Clouds with rain showers. Highs near 65°F (18°C).

Situation for Noon Eastern Standard Time, Friday, October 1, 1999



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

Compiled by MIT Meteorology Staff and The Tech

Tightening Democratic Race Forces Gore Strategy Changes

By James Gerstenzang and Mark Z. Barabak

LOS ANGELES TIMES

WASHINGTON

Vice President Al Gore abruptly responded Wednesday to the growing support for Bill Bradley by challenging his rival to a series of debates and announcing he will move his campaign headquarters to Nashville.

Gore unveiled the twin measures as central to "a completely new campaign" in his quest for the Democratic presidential nomination. His bid for the White House, he said, now would be "closer to the grass-roots" and "out of the Beltway and into the heartland."

Wednesday night, Gore also sought to recalibrate the expectations that have surrounded his candidacy. During an appearance on CNN's "Larry King Live," he said, "In many ways I think you ought to count me as the underdog in this race now.... I feel like the underdog. I'm going to campaign like the underdog, and I think that's the way

to get elected."

Earlier Wednesday, speaking at a hastily organized news conference at his soon-to-be-vacant political headquarters here, Gore for the first time mentioned Bradley by name in a campaign setting, a tacit acknowledgment that the Democratic contest is tightening.

When Bradley emerged as Gore's only competition in the race, the vice president's plan was to ignore the former New Jersey senator and present his own nomination as inevitable. But Bradley enjoyed surprisingly strong fund-raising success and steadily gained momentum, culminating in a poll last week showing him narrowly ahead in the early primary state of New Hampshire.

Conceding that the campaign underestimated Bradley, one Gore advisor said the vice president now "knows things are not going well."

Gore put a more positive face on his announcement: "This is a hard, tough fight. And I'm going to fight my heart out for every single vote."

The call for debates was a significant concession on Gore's part. Typically, a front-runner is loath to share a stage with a challenger because the equal footing confers equal status.

Meanwhile, Gore's campaign said it would report today that it has raised \$6.5 million over the last three months, bringing its 1999 total to \$24 million. It is a sizable sum, but still less than half the \$52 million or more that Texas Gov. George W. Bush, the GOP front-runner, is believed to have amassed.

Bradley's campaign declined to release figures in advance of today's deadline, but his receipts during the last three months are expected to be competitive with Gore's. As of the last report on June 30, Gore had raised \$17.5 million to Bradley's \$11.7 million.

Significantly, Bradley's report may show his leaner campaign has more cash on hand than Gore's. The vice president's campaign is believed to have \$9.5 million to \$10 million available.

Pentagon to Launch Investigation Into South Korean Massacre Story

By Paul Richter

LOS ANGELES TIMES

The Pentagon, in an abrupt about-face, declared Thursday that it would use "whatever resources are available" to investigate whether U.S. infantrymen massacred more than 100 South Koreans in 1950 during the chaotic opening weeks of the Korean War.

Although a recent Army study found no basis for survivors' claims, Army Secretary Louis Caldera said new disclosures justify a "quick and thorough" study of the actions of 1st Cavalry Division troops at the rural hamlet of No Gun Ri, 100 miles southeast of Seoul.

While stressing that the investigation is at its earliest stage, Caldera hinted that if evidence of killings is found, some redress might be paid to the 30 South Koreans who have unsuccessfully pressed claims to the American and South Korean governments.

An Associated Press investigative report, carried on the front pages of major U.S. newspapers Thursday, contained accounts of former soldiers who said they took part in the massacre.

The soldiers said U.S. forces trapped hundreds of old men,

women and children under a railroad bridge at No Gun Ri during a panicked southward retreat in July 1950. Fearing the presence of North Korean troops concealed in civilian garb, the soldiers slaughtered anywhere from 100 to 300 or more South Koreans over a three-day period, the AP report said.

Although some accounts were contradictory, six veterans said they fired on the refugees, and six others said they had witnessed the shootings.

If corroborated, the alleged massacre would rank as one of the largest such incidents perpetrated by U.S. soldiers in modern times, and could prompt a broader re-examination of the actions of American servicemen in the Korean War.

A senior defense official acknowledged that the report raises questions about criminal liability of the soldiers involved, possible compensation and the need for an official U.S. apology. Such issues are "all on the table," this official said.

Although plans are preliminary, the probe is expected to take roughly a year and to cost an estimated \$1 million to \$2 million. It may call on the expertise of military historians, forensic pathologists and military

lawyers, the official said.

Officials said they expect the investigation to involve painstaking reviews of records and logs to determine where infantry units were at certain dates, examination of the testimony of surviving veterans and perhaps excavation of the site for evidence.

On Wednesday, a Pentagon spokesman had said that the allegations had been sufficiently checked and that they saw no need for further examination. But after a thunderclap of publicity Thursday, senior leaders said it had become imperative to gather more data on an incident involving one of America's closest allies.

At the White House, President Clinton told reporters that he had been briefed on the Associated Press report.

Defense Secretary William S. Cohen "wants to look into this, he wants to get to the bottom of it, he wants to examine all of the available information and evidence," Clinton said. "And he has assured us that he will do that. And that was his immediate instinct, too, and I appreciated it."

The South Korean government promised its own investigation.

Seasonal Bird Migrations Could Spread West Nile Fever Southward

By Lynne Duke

THE WASHINGTON POST

NEW YORK

Scientists fear that a bird and mosquito-borne virus that has killed four and sickened 33 in New York state is spreading southward with the season's bird migrations and are warning health officials to be alert for the strange crow deaths and other signs that have heralded the outbreak here.

West Nile fever, a rare and often encephalitic virus that had never before been diagnosed in the Western Hemisphere, is spread from birds to mosquitoes to humans. The first human cases here were diagnosed in mid-August, when birds began their north-south migrations for the fall.

In addition to spreading the virus here, birds — known as the virus's reservoir hosts — have probably taken it with them to points farther south, though so far no cases of infection have been reported outside the New York area.

"Our guess is that probably the bird migrations took the virus south with them," said Duane Gubler, director of the vector-borne infectious disease division of the federal Centers for Disease Control and Prevention based in Fort Collins, Colo.

The discovery of West Nile fever here has spawned an epidemiological mystery, for scientists have no clue how the virus got to this hemisphere. The virus is endemic in parts of east Africa, Asia and the Middle East, and it broke out as recently as three years ago in Eastern Europe. But birds generally do not migrate across the Atlantic Ocean, except for the odd occasions when birds are lost.

More likely, he said, is that an imported bird brought the virus here, or that a human infected with it traveled to this region. In either case, with the mosquito as the vector, the virus soon spread. The first New York case was reported on Aug. 8.

Originally, state health officials

and the CDC thought they were dealing with St. Louis encephalitis, which has broken out before in the eastern United States, including a few cases in New York the late 1970s. In examining this latest strange outbreak, it made sense, virologists say, to look at known strains. And being a strain that was unknown in this hemisphere, the West Nile virus — though very similar to St. Louis — just wasn't considered.

But last week, after matching genetic specimens of the human viral deaths to viral deaths in birds stricken at the Bronx Zoo, the CDC reclassified the virus as the far more rare West Nile fever. West Nile can also lead to encephalitis, or inflammation of the brain, but often does not and thus is less severe than St. Louis. Fever and severe headache are its basic symptoms.

West Nile fever first was diagnosed in Uganda in 1937 and later became endemic in Egypt, India and other parts of Asia.

Germany's Outspoken Grass Wins Nobel Literature Prize

THE WASHINGTON POST

The Swedish Academy credited Guenter Grass' first novel, "The Tin Drum," by awarding him with the Nobel Prize for Literature

In the emotionally repressed years that followed the war's end, Grass' unflinching stories of Germans who cooperated with the Nazi terror were greeted as courageous and wise.

Grass and his wife Ute Grunert celebrated the nearly \$1 million award by drinking sparkling wine with friends at a wine shop beneath his office. Grass said he planned to keep a dentist's appointment later in the day: "That will help calm the nerves," he said.

He is the first German author to win the award since Heinrich Boell in 1972 and only the second since Thomas Mann in 1929.

The book tells the tale of Oskar Matzerath, a young dwarf who, like Grass, grows up in Danzig and experiences the German attack on Poland, whereupon the 3-year-old boy refuses to grow up, pining instead for the security of his mother's womb.

Beatty Pictures a Liberal Presidential Campaign

LOS ANGELES TIMES

BEVERLY HILLS, CALIF.

Actor Warren Beatty sketched out the script for a liberal presidential campaign Wednesday night — but did not say whether he would play the leading role himself.

Before a huge turnout of reporters and Southern California liberal activists, Beatty offered few clues on whether he intends to launch a long-shot bid for the Democratic presidential nomination. Instead, he called for sweeping campaign finance reform, lashed President Clinton's record, and portrayed both of the current contenders for the Democratic nomination as cautious centrists in thrall to large contributors.

In a dizzying testament to the media fascination with celebrity, the 62-year-old actor and director drew more than 150 reporters from around the world. The media turnout dwarfed the attendance at any of the major policy speeches by the leading candidates in either party this year; earlier Wednesday afternoon, Democratic hopeful Bill Bradley drew a press corps roughly one-tenth as large when he visited a community health care center just south of downtown Los Angeles.

Amid all the frenzy, Beatty delivered an exhaustive and self-deprecating speech. Apparently nervous at first, he rattled off facts and figures and touched on a long list of liberal concerns from globalization, to universal health care (he called for a government-run single-payer universal system), to the gap between rich and poor, to the fees charged for lumber and mining resources on public lands.

Indeed, for all his celebrity, it was uncharacteristic for Beatty himself to be standing in such a spotlight. Though he has been active in liberal Democratic politics since campaigning for Robert F. Kennedy in 1968, Beatty has not extensively appeared in public for a political candidate since George McGovern in 1972; almost uniquely among Hollywood celebrities, he's preferred to operate as a backstage adviser. But even in that role, Beatty hasn't been heavily involved in a presidential campaign since Gary Hart's bid in 1984.

English-Metric Mixup Is Blamed For Loss of Mars Orbiter

LOS ANGELES TIMES

NASA lost its \$125 million Mars Climate Orbiter because spacecraft engineers failed to convert from English to metric measurements when exchanging vital data before the craft was launched, space agency officials said Thursday.

A navigation team at the Jet Propulsion Laboratory in Pasadena, Calif., used the metric system of millimeters and meters in its calculations while Lockheed Martin Astronautics in Denver, which designed and built the spacecraft, provided crucial acceleration data in the English system of inches, feet and pounds.

As a result, JPL engineers mistook acceleration readings measured in English units of pound-seconds for a metric measure of force called newton-seconds. In a sense, the spacecraft was lost in translation.

The loss of the Mars probe was the latest in a series of major spaceflight failures this year that destroyed billions of dollars worth of research, military and communications satellites or left them spinning in useless orbits. Earlier last month, an independent national security review concluded that many of those failures stemmed from an overemphasis on cost-cutting, mismanagement, and poor quality control at Lockheed Martin, which manufactured several of the malfunctioning rockets, but National Aeronautics and Space Administration officials and Lockheed executives said it was too soon to apportion blame for the most recent mishap. Accident review panels convened by JPL and NASA are still investigating why no one detected the error.

None of JPL's rigorous quality control procedures caught the error in the nine months it took the spacecraft to make its 461 million-mile flight to Mars. Over the course of the journey, the miscalculations were enough to throw the spacecraft so far off track that it flew too deeply into the Martian atmosphere and was destroyed when it entered its initial orbit around Mars last week.

Scientists are anxious that the conversion error does not affect a second spacecraft, the Mars Polar Lander, now approaching the red planet for a landing on Dec. 3. The lost orbiter would have served as a radio relay for the lander before beginning its own two-year survey of the Martian atmosphere and seasonal weather.

Data exchanges for the Global Surveyor, which has been orbiting Mars since 1997, have been conducted exclusively in the metric system, Hinners said. Mission controllers expect to use the Surveyor as a relay station in place of the lost orbiter.

If found formally at fault by an accident review board, Lockheed will face financial penalties. But it was not certain Thursday whether Lockheed's contract with JPL actually specified the system of measurements to be used, as many aerospace agreements now often do.

Whatever the contractual consequences for the aerospace company, the loss of the Mars orbiter might have a lasting effect on public confidence in NASA, space analysts said.

OPINION

Letters To The Editor



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Historical Clarifications

In the recent battle of words between Darian Unger G and Glenn McMillon Jr. '03, on the topic of creationism, I am firmly on the side of Mr. Unger. But as a student of the history of ideas, I fear that Unger has rather misstated several facts, which lends an air of over-hasty diatribe to his most worthy cause.

Unger refers to "refuters of the round earth concept" as "15th-century skeptics" ["Creation Evangelists Exposed," Sep. 28]. The fact that the earth is roughly spherical was widely known in antiquity. Eratosthenes of Cyrene successfully measured the circumference of the earth by observing the penetration of sunlight to the bottom of widely spaced deep wells. Aristotle before him had also correctly described the earth as spherical; even the pre-Socratic cosmologists knew the earth was a ball. Never did this change; European thought maintained its true opinion of the shape of the earth until even the present day. The notion that anyone significant had believed in a flat earth was a 19th-centu-

ry invention.

Unger also refers to "dogmatic doubters of the Earth's revolution around the sun." The monumental *De revolutionibus orbium caelestium, libri VI* was published in 1543. But Copernicus merely guessed right; he proposed what was, at the time, an inferior theory. The Ptolemaic theory, as improved by Arab and medieval scholars, continued to predict the motions of planets much more accurately than Copernicus ever could. In addition, the heliocentric theory had to contend with the lack of observed parallax.

Kepler did much to improve the theory, but the key works were not published until the seventeenth century — in particular, the *Astronomia Nova* (1609) and the *Harmonice Mundi* (1619), which together contained his famed "three laws." Even then, the heliocentric theory was only a little superior in explanatory power to the Ptolemaic system, and failed to address the parallax problem.

It was not until Isaac Newton's *Philosophiae Naturalis Principia Mathematica*, published in 1687, that a theory thoroughly superior to the Ptolemaic was proposed; Newton's theory provided predictions as accu-

rate as the Ptolemaic, and explained the lack of observed parallax.

Thomas Bushnell

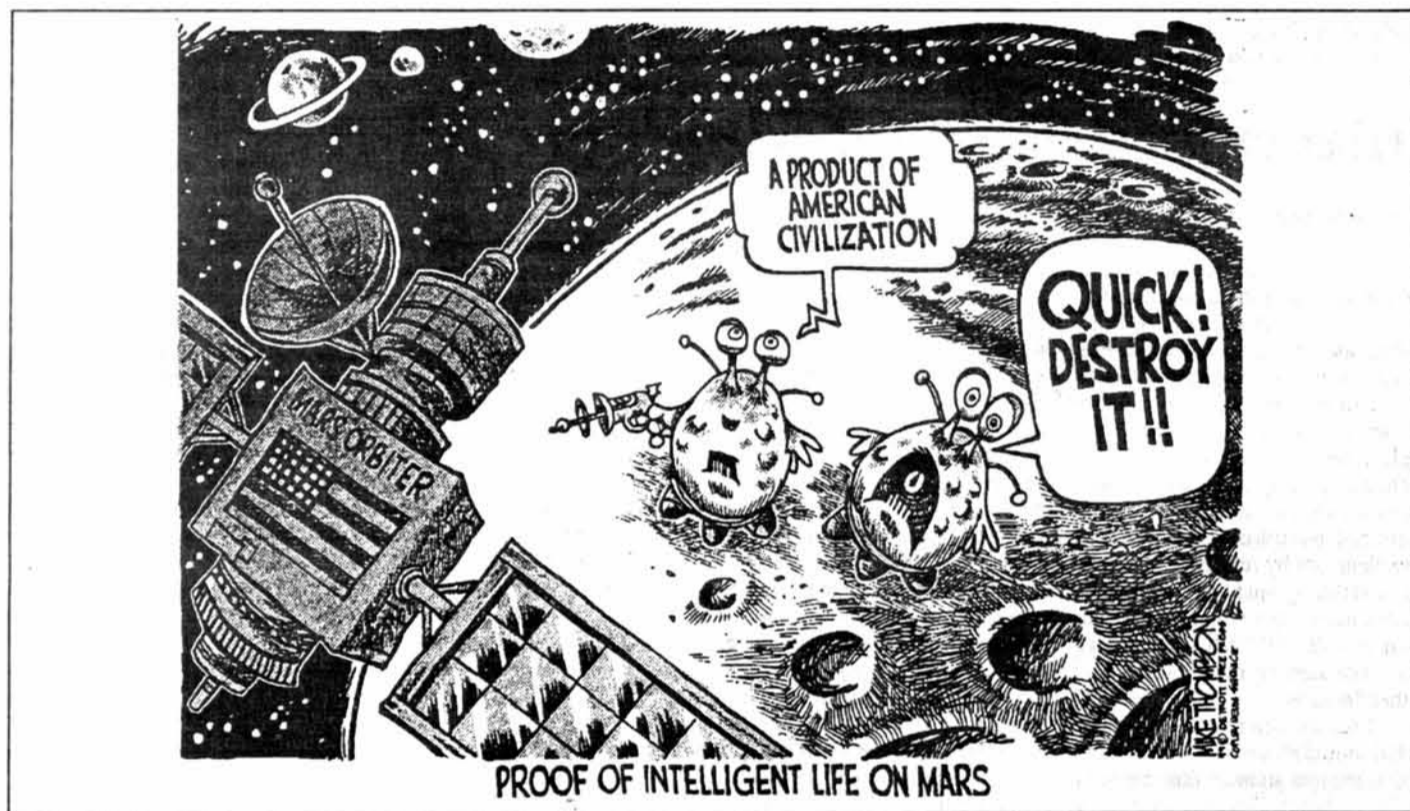
The Age Discrepancy

I wonder what the response of the Illinois legislators would have been had Julia Lipman's class proposed a law suspending the driver's license of *anyone* found driving with a blood alcohol content above 0.00, not just those under the age of 21 ["Beating Up on Students," Sep. 28].

My problem is with the discrepancy in ages at which you can do what. At 18, you can vote. You can be sent to war, you can buy pornography, you can buy cigarettes — but you can't buy alcohol. And in Illinois, they'd apparently have it so that you can drive while intoxicated, provided you're of age to be intoxicated.

All I'm asking for is equal protection for everyone from everyone except themselves, which is an individual responsibility, regardless of age.

Joel Rosenberg '99



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The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations) Wednesdays during January and monthly during the summer for \$45.00 per year Third Class by The Tech Room W20-483, 84 Massachusetts Ave., Cambridge, Mass. 02139. Third Class postage paid at Worcester, Mass. Permit No. 559. POSTMASTER: Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029. Telephone: (617) 253-1541, editorial: (617) 253-8124, business: (617) 253-8226. facsimile: Advertising: radio, printing and typesetting rates available. Entire contents © 1999 The Tech. Printed on recycled paper by MassWeb Printing Co.

Where Creationism Fails

Teaching of Evolution is Central to Biology, Ethics, and Science Policy.

Guest Column
Brad Hersh

Guest columnist Glenn McMillon, Jr. would have us believe that creationism "is an equally valid scientific theory in opposition" to evolution ["Clearing Up Creation," Sep. 24]. His column is erroneous, highly misleading, and betrays a complete misunderstanding of the nature of science. It also concludes with the false image of the creationist as the open-minded individual merely asking for equal time against the closed-minded evolutionist. As I will argue, creationism lacks explanatory power and is an example of special pleading for a particular religious viewpoint, and as such does not deserve time in a public school science classroom.

McMillon repeats the old saw that evolution is not science because it is impossible to "repeat, observe, or measure."

This statement wrongly disqualifies historical sciences such as geology and astronomy, while at the same time ignoring field and laboratory evidence for evolution occurring in populations today (for one well-documented example, see the work of Drs. Peter and Rosemary Grant as related in *The Beak of the Finch* by Jonathan Weiner). Furthermore, fossil evidence for evolution, too voluminous to detail here, remains solid, despite the unfounded aspersions McMillon attempts to cast on it.

Judge William Overton, in the 1982 *McLean v. Arkansas Board of Education* decision against Arkansas' "balanced treatment" act, discussed "essential characteristics" of science based in large part on the testimony of philosopher of science Michael Ruse. These characteristics, as enumerated in Robert Pennock's *Tower of Babel*, are that science is guided by natural law, that it has to be explanatory by reference to natural law, that it is testable against the empirical world, that its conclusions are tentative (not necessarily the final word), and that it is falsifiable. Creation science fails to meet each and every one of these criteria.

Creation science starts from the postulate of a supernatural designer and rationalizes evidence to support that, rather than starting

from observation of the natural world. As such, creation science is not science; it is religion. And having failed in introducing creation into schools, creationists now take the opposite tactic of trying to dilute the teaching of evolution.

What I (and many others, no doubt) would like to see is the much-vaunted evidence for creation science. I have never seen positive evidence for creation science, only negative argumentation. Arguments of the form "Evolution does not explain X" are not positive evidence for creation. Does anyone believe that gravitation is not true merely because we don't have a fully-explained mechanism by which gravitational forces act? Creationists would apply such an absurd standard to evolutionary biology. Creationists delight in pointing out gaps and deducing therefrom an intelligent designer, but it is

Creation science starts from the postulate of a supernatural designer and rationalizes evidence to support that, rather than starting from observation of the natural world. As such, creation science is not science; it is religion.

only the scientists who actually endeavor to fill explanatory gaps.

Arguments of the form "X can only be explained by a designer" are likewise invalid. They lack any explanatory power and stifle further research, as absolutely any experimental problem can be explained away by invoking a designer. In such a system, how does one rationally decide when to pursue a natural explanation that may be difficult to discern, and when to simply give up and invoke a designer?

The only evidence for creation is by special revelation, and science is a public enterprise that does not operate by personal revelation. Science operates by methodological naturalism and must ignore supernatural forces in its explanations or else it fails as a public form of knowledge. By definition, the only insights we can get into the supernatural (that which is beyond the natural) are by special revelation and cannot be publicly verified in the manner of scientific data.

McMillon also claims that this is a two-sided issue, and that public school students deserve to be exposed to both sides. McMillon — as well as Kris Schnee in his earlier column ["A Bridge to the 11th Century," Sep. 21] — greatly underestimates

the number of sides involved here. Since revelation is the only way by which we can gain knowledge of supernatural explanations of biological diversity, what basis do we have for determining the revelations to use? That is, the revelations of which creation story are we to use in school as the basis of creation science? The Pueblo Indians? Hindus? Perhaps the story found in Genesis? Use of any of these (or countless others) would clearly be a government endorsement of one religion over others.

But isn't this really what creationists have in mind when they ask for "equal time" — for everyone to be exposed to the Genesis creation story as part of the public school curriculum? Such a goal is not simply a democratic request for equal treatment, but is instead a ploy for government endorsement of a particular religious viewpoint. It should be obvious why this is undesirable.

Evolution does not conflict with religion, in the same way that physics and chemistry do not conflict with religion. Religion and science are separate realms of human experience. Religion should not comment on matters of science, just as science does not attempt to prove or disprove matters of religion. Creation science wrongly attempts to import the supernatural into scientific methodology.

This exchange of letters and columns was prompted by the actions of the Kansas Board of Education in their revision of the state science standards. The board altered its definition of science, eliminated references to geologic time and the age of the earth, and specifically weakened its presentation of evolution. Societal issues raised by the human genome project, genetic testing, and the war against antibiotic-resistant diseases (as just a few examples) require a thorough understanding of the biological issues that underlie them. To undermine public understanding of biology by diluting the teaching of evolution is to undermine the role of society in shaping science policy and biomedical ethics.

To paraphrase geneticist Theodosius Dobzhansky, nothing in biology makes sense without evolution. Evolution is not supported by one or even a few critical proofs — props that can be knocked out to bring down the whole edifice. Rather, evolution permeates biology, both supporting it and being supported by it. To teach biology without regard to this central nature of evolution does students a grievous disservice. It is this critical importance that both McMillon and the Kansas Board of Education seem to have missed.

Brad Hersh is a graduate student in Biology.

Benched By a Broken Budget

Guest Column
Stanley Hu

Recently, the MIT Athletics Department has been forced to dramatically cut costs due to budget overruns. Junior varsity teams have been eliminated completely; remaining teams have been trimmed to a bare minimum of members. Worse yet, athletes who thought they had earned a spot on a team are now being told that they can no longer participate.

This situation has disrupted the lives of many students, including myself. I urge you to more carefully consider the effects of the recent cuts, with the hope that the Institute will intervene to improve the situation.

As a senior and a member of the MIT Cross-Country team, I have personally felt the repercussions of the recent athletic cuts. As of last Friday, I can no longer compete, because only a small number of athletes is permitted to enter races. All the time, hard work, and sacrifice spent in preparation for this season has gone to waste. Throughout the summer and

hitherto, I ran an average of ten miles a day. On many occasions, I trained twice a day, running to the point of exhaustion. All-I-ever asked in return was the chance to step on the starting line and race with the rest of my teammates.

After many weeks of practice, I thought I had earned the privilege to compete. My times qualified me to race in several meets, even after the Athletics Department had reduced the size of the travel team to 24 members. Then they cut even further, reducing that number to 14. Finally, last week — in the middle of the season — the number fell to 12. Ranked 14th on the team, I could no longer compete. My hopes sank. In what may be my final year of collegiate running, I am now forced to sit on the sidelines and watch the remaining weeks of the season fade away.

Many other students undoubtedly have their own tales of personal sacrifice. Among my teammates, the recent athletics cuts have engendered feelings of betrayal and resentment toward the Athletics Department.

Further cuts will only breed more animosity.

I realize that the Athletics Department has been forced into a difficult position. Its operating budget has not increased in line with the skyrocketing costs of supporting 41 varsity teams. Without additional funding from the Institute, the Athletics Department cannot continue to support a quality sports program. In order to help, MIT must act quickly to increase the athletics budget.

Participating in a college sport has been one of the most worthwhile endeavors of my life. Cross-country has taught me a lot about the value of hard work, resilience, and determination. I hope many others will get the chance to reap the same benefits. But this can only happen if varsity sports receive the additional funding they deserve.

(A copy of this letter has been sent to President Charles M. Vest, Dean of Students and Undergraduate Education Rosalind Williams, and the MIT Athletics Department.)

Stanley Hu is a member of the Class of 2000.

An Activism Model

Kris Schnee

Today marks the official release of the Unified Residential System Proposal — a hopeful day for everyone who cares about the quality of life for present and future Institute students.

The new proposal contains several important improvements over the earlier proposal by the Residence System Steering Committee. While it remains to be seen whether the Unified Proposal is accepted and used, it has the advantage of being a good and reasonable idea — and, better yet, a product of student democracy in action.

One of the main problems with the RSSC proposal was the plan for Orientation and residence selection. The plan would split the two, basically annihilating Rush. Instead of physically seeing the dormitories and meeting the residents — getting to know each dorm's culture firsthand — future freshmen would choose their housing by mail over the summer. Where's the fun in that? It's not necessary or wise to remove residence selection from the Orientation process — the campus exploration and social interaction of Rush is arguably the best way to get used to college

While it remains to be seen whether the Unified Proposal is accepted and used, it has the advantage of being a good and reasonable idea — and, better yet, a product of student democracy in action.

life. It is strange and chaotic, but it does what it's supposed to do — and, therefore, it is perfectly appropriate for MIT. The new Unified Proposal fixes the problem, preserving dedicated time for housing exploration.

Another concern was the preservation of the "theme houses" within New House — French, German, Russian, and Spanish Houses, and Chocolate City. The RSSC proposal made housing selection for these groups independent of upperclassman input, a scheme which would threaten the very existence of the theme houses. Like the independent living groups not physically attached to campus, the theme houses divide cooking, cleaning, and other chores among their members, and it's therefore important that all of their members participate. Completely free entrance to the theme houses might allow in freshmen who want the benefits of such a group but who are unwilling to do the work — and a few freeloaders could ruin the entire system.

Fortunately, the Unified Proposal acknowledges the needs of the theme houses — their members will be able to hold freshmen to the house rules for joining and working there, and force them out if they refuse to work. (A word of caution, though — there should be limits on these rules, and the final system will hopefully forbid, for instance, racial or ethnic discrimination in theme house entry requirements.)

Will the administration listen? Allegedly, Chancellor Lawrence S. Bacow '72 said he was receptive to an alternative residence system proposal. It remains to be seen whether this was only a diplomatic response, or whether Bacow means to take the student body and its ideas seriously.

Whether or not the Unified Proposal succeeds, it is encouraging to see that students cared enough to write it. The various student groups, such as the Undergraduate Association and ILTFP, were able to cooperate with the Chancellor's Student Advisory Committee to actually get something coherent done, and they did it in a way that might make even the MIT administration pay attention to student opinion. Best of all, the Unified Proposal is freely accessible to the public (at <http://web.mit.edu/advise>) and has remained open to individuals' comments and questions.

While not perfect, the Unified Proposal is a way for students to have some influence over the future of campus housing and student life. When the proposal is delivered to Bacow, it should be with the backing of the student body — and should serve as a model for how student activism can work.

Feel as though your opinion isn't being heard?

Step 1: Register to  vote

Step 2: Become a columnist for



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THE ARTS

CONCERT REVIEW

September Concerts Go Two for Three

College Rave, College Fest hits, but Disorientation disappoints

By Dan Katz

STAFF WRITER

September means the start of the college year, and the start of the college year means plenty of young ears for local rock radio stations to try to recruit for the next nine months. This year's "student rush" included WFNX's free Disorientation at the Hatch Shell, the student-discounted WBCN College Rave at the BankBoston Pavilion, and musical entertainment at Hynes Convention Center's College Fest (also sponsored by WFNX).

The earliest concert, WFNX Disorientation on Saturday, September 11, went from revolutionary to revolting at a blinding rate. The show kicked off with a short performance by Boston's resident oddball performance troupe, Blue Man Group. The trio's stint on stage featured visually stimulating stunts involving paint, marshmallows, and plastic tubing (use your imagination), while their backup band produced wild, drum-intensive prog-rock that, for me, almost overshadowed the antics onstage. Unfortunately, since BMG's show is pricey, and this one was not, the group only

provided a fifteen-minute taster.

Even more unfortunately, the next act was Jact, a group with combined decent guitar playing and an overconfident British vocalist to produce music that was boring, unenergetic, and completely unappreciated by the crowd. Frying under the midday sun, the assembled masses had very little vocal reaction to Jact's set, and not much more to headliners the Flys. The Flys' lead singer sang most of his lyrics into a microphone that made his voice sound slightly distorted, slightly bubbly, and very recorded, detracting from the live experience. While the band presented some good songs (including the very catchy "She's So Huge" and a welcome cover of Ozzy Osborne's "Crazy Train") they were playing for a crowd that was already very bored. The band didn't leave the stage before their encore — had they stepped backstage, half of the crowd might have left before they emerged.

College Fest's audience last weekend was thousands of student conventiongoers, so the only people watching the bands were people who wandered over to the stage and were convinced to stick around. While I didn't get a

chance to see the national acts, local bands Dispatch and Gravel Pit certainly held their own at the event.

Dispatch provided a funky rock style somewhere between College Rave bands 311 and G. Love and Special Sauce. Their gimmick was the swapping of instruments throughout the set, but after a long group of plugged-in songs, the band's largest audience appeared when they closed with a strong acoustic song called "Steamboat," which attracted twice as many people as their other material.

The Gravel Pit followed with some very original-sounding rock songs, featuring a front man with the rasp and swagger of Mighty Mighty Bosstones' vocalist Dickie Barrett, playing organ and singing quirky lyrics reminiscent of They Might Be Giants. Both Dispatch and Gravel Pit are terrific local talents waiting for a break.

Sunday night's College Rave featured a very eclectic lineup. Buckcherry opened with a set of hard-edged old-fashioned guitar rock, including such clichés as a wild tattooed singer and a guitarist playing with his teeth.

The band seemed a little too preoccupied with drug use, however, delivering long-winded speeches encouraging the use of marijuana and cocaine. The music, including raging singles "Lit Up" and "For The Movies," was worth the sermon.

Philadelphia's own G. Love followed, getting the crowd dancing with funky tunes built around bouncy guitar lines and harmonic solos, peaking with "I-76" and "Stepping Stone."

Ben Folds Five put in an incredible performance as always, using mood lighting to enhance haunting tunes like "Mess" and blasting through more upbeat songs like "Jackson Cannery" and "Army." At the beginning of the set, a large contingent of 311 fans voiced their disapproval for the band; after their performance, that group was notably less obvious.

And 311? Well, I'll admit their light show was frenzied and exciting to watch, and the guitarists hit their power chords flawlessly. Unfortunately, I still feel all 311 songs sound very similar, and this made the show get boring very quickly. However, for anyone with the patience to put up with 311's repetitive nature, the show was probably incredible.

So, in summary: Disorientation bad. College Fest good. College Rave good. Looks like you get what you pay for (Moby's terrific free show in late August notwithstanding). I'll be on the edge of my seat to see who the radio stations unveil next September.

ALBUM REVIEW

Nine Inch Nails: The Fragile

Worth the wait

By Dan Katz

STAFF WRITER

On Monday, September 20, as midnight was nearing, I headed to Tower Records for the impending release of Nine Inch Nails' new double CD, *The Fragile*. I soon discovered I'd been beaten to the punch by a line of about two hundred loitering fans, dressed mostly in black, obstructing the sidewalk of Newbury Street. There has clearly been quite a bit of hype behind this album.

But is *The Fragile* as revolutionary as its publicity squad would like you to believe? It certainly radiates Trent Reznor's usual sense of self-loathing and dramaticism: the CD, cover, and insert bear blurred, blended colors rather than any sort of picture, the CDs are not labeled with disc numbers but with the positions "left" and "right," and the tracks bear grand pessimistic titles like "Into The Void," "The Wretched," and "The Day The World Went Away." This is the kind of album that cynics love to tear apart. Those cynics, however, would be missing something, because *The Fragile* actually manages to surpass its own buzz and is probably one of the best releases so far this year.

The music on the album spans almost 104 minutes, and in some ways, resembles a greatest hits album, incorporating the varying styles of Reznor's earlier work with new ideas and instrumentations. "The Day The World Went Away" utilizes the brooding wounded vocals and heavy contrast found in songs like "Hurt," but with even sharper changes in volume. The

Marilyn Manson-like power chords and skittery drums on "Starfuckers, Inc." evoke memories of the tremendous *Broken EP*. And "We're In This Together" is a nice improvement over the naggingly similar "Terrible Lie." Reznor also borrows a few tricks from peer musicians. Tori Amos's influence is inherent in short transition track, "The Frail," and shades of "God Lives Underwater" show up in "Just Like You Imagined."

While the lyrics of the album have a certain predictability to them (when I heard "Please" open with the line "This is how ..." I managed to spit out "it begins" before Reznor) the music is clever and interesting, melding together pieces of sound which don't seem to fit together rhythmically. In the opening track, "Somewhat Damaged," an intermittently aggressive drum line is juxtaposed with a menacingly repetitive bar-and-a-half guitar riff, and "The Way Out Is Through" erupts into a monstrous series of distorted guitar bends.

In addition, what Reznor lacks in lyrical creativity, he makes up for with vocal range, racing between whispers, high notes, and all-out screaming. He also occasionally melds his music and lyrics with skilled irony, such as in the title track, in which he utters the repeated phrase, "I won't let you fall apart" in a way that assures anything but safety. Actually, there are a lot of songs in which one line is repeated indefinitely, but it's usually in a catchy fashion and the music evolves and changes behind it.

It's rare in the music industry that a band (or artist, in this case) releases an album after a long period of absence and it turns out as good as *The Fragile*. It's clear that Reznor put a lot of talent, perfectionism, and yes, even emotion into the release. The album's a little pricey (around \$20 at most stores) but it's worth it for an hour and a half of terrific music, of which not a second is filler. Industrial fans, rejoice; *The Fragile* is all it's cracked up to be.

Essential Vegetarian

Got Kale?

By Katharyn Jeffreys

FEATURES EDITOR

First, I would like to wish you all (vegetarians and meat-eaters alike) a happy "World Vegetarian Day." October is a month of outreach and celebration for the vegetarian community, and it begins today. So, go out and hug a vegetarian. Or try not eating meat for just one day. Just a thought.

I want to expound on one of the topics mentioned in last week's column: calcium. I mentioned that a high protein diet results in reduced calcium absorption. This is widely supported by vegetarian advocacy groups, but is not acknowledged by National Fluid Milk Promotion Board. Their milk moustache ads have recently been cited as misleading, or even blatantly false by the Physicians Committee for Responsible Medicine. A recent press release states the PCRM "pointed out that the dairy ads fail to note that exercise and reducing the intake of sodium and animal protein are important for reducing calcium losses."

The ads imply that all people need calcium to ensure proper bone density. The truth is that certain groups, such as African-Americans, men and older women, have adequate bone density and do not require additional calcium. However the ads show personalities such as Spike Lee, Conan O'Brien, and Whoopie Goldberg touting the benefits of milk.

The PCRM also notes that "other milk mustache ads have been even more brazen. An ad featuring Larry King suggested that milk could lower the risk of high blood pressure, a claim specifically rejected by the FDA and not entirely supported by scientific evidence." The ads also insinuate that milk products are the only source of calcium.

The National Academy of Sciences' Recommended Daily Allowance (RDA) of calcium is 1000 mg for men and women aged 19-50, and higher for those outside this range. This limit assumes a high-protein meat and milk based diet. By eliminating meat and high-fat milk products from their diets, vegetarians and vegans effectively reduce the amount of calcium required by the body. Some studies, cited by the Vegetarian Resource Group, have determined that even high amounts of soy protein do not reduce calcium absorption.

There are many vegan sources of calcium. The Vegetarian Society cites the following foods as providing 100 mg of calcium.

- Almonds (42g)
- Brazil Nuts (59g)
- Soya flour (44g)
- Oatmeal (192g)
- Wholemeal bread (185g)
- Black molasses (20g)
- Dried figs (40g)
- Parsley (50g)
- Kale (67g)

Tofu processed with calcium sulfate and tortillas made of lime-processed corn are both low-fat, low-protein calcium sources, according to the USDA. Collard greens, okra, and bok choy are other vegetable sources of calcium. Another obvious source is calcium fortified soy or rice milk. Be careful with calcium fortified products however, for many of them may be made with animal-based calcium.

In the interest of encouraging vegan calcium sources I have included a recipe for a side dish made with calcium-rich dark greens. It is a nice complement to pasta, mushrooms, or potatoes. As always, e-mail me any questions or comments at <veggie@the-tech.mit.edu>.

Kale and Collards with Garlic

- 4 cups fresh kale, torn into bite-size pieces
- 3 cups collards, torn into bite-size pieces
- 2 T. olive oil
- 4 cloves garlic
- 1 t. sea salt
- pinch cayenne
- 2 t. cumin
- 3 t. lemon juice
- pinch freshly ground pepper
- 3 T. parsley or cilantro, finely chopped

Wash greens well. Steam the greens in a large steamer. (Cook collards first; they take longer than kale.) Five minutes should make the greens crunchy yet tender. Put the greens in a large colander and drain well. In a heavy skillet, put the oil, garlic, cayenne, and cumin. Stir to cook lightly for 2 minutes. Add the greens and toss and blend with the oil mixture to cover. Transfer to large serving bowl and sprinkle with lemon juice. Serves four.



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nothing

ALBUM REVIEW

Our Lady Peace: Happiness...

An album you should catch

By Dan Katz
STAFF WRITER

It's tightly produced, it's cleverly written, and its cover bears a great picture of an old guy holding a fish. After finally breaking into the American music scene with "Superman's Dead" and "Clumsy," popular Canadian rockers Our Lady Peace follow up their sophomore album with *Happiness... Is Not A Fish You Can Catch*, a disc filled with catchy but jarring tunes that will leave you humming their music but struggling to remember exactly how it went.

The album's biggest development over its predecessor is the increased use of swirling space effects and altered delay, sounds reminiscent of the prechorus of "Clumsy." These guitar effects add a wide, epic feel to the leading single, "One Man Army," the soaring "Happiness & The Fish," and the infectious "Lying Awake." A bouncy piano part shows up in "Annie," and the group even uses chimes to achieve an almost orchestral effect in "Potato Girl" and "Blister."

OLP singer/lyricist Raine Maida has been compared repeatedly to Smashing Pumpkins' vocalist Billy Corgan; frankly, I don't see it. Both have a nasal quality to their voices, but

Corgan's high notes are more raspy than musical, while Maida's strong falsetto is chillingly accurate. In terms of lyrics, Maida covers quite a bit of ground, ranging from typical alt-rock pessimism ("Bored again by happiness / all those friends I've lost in there"), triumphant victory ("I remember marching like a one man army ... I believe in something"), and oddly gripping characters ("There's something in the way she makes believe / please be careful / Annie dreams that everyone is dead.")

Our Lady Peace's guitar lines are anything but typical. Some of them, such as "Is Anybody Home?" are built around droning riffs that seem to sing a counter-melody, while "Potato Girl" lurches into chord changes at unexpected moments, making its chorus seem to tumble and leap at unexpected moments. The band's drum lines are

even stranger, beating strange synopated cadences, and often keeping a steady tempo but changing slightly in rhythm. The songs incorporate tunes that are gripping and catchy, enhancing them with innovative backgrounds.

If there's anything to be attacked on this album, it's the length, measuring eleven tracks and under 45 minutes. Of those tracks, the final one, "Stealing Babies," is a decent song, but an unsatisfying closer. Also, the band's last album was dominated by dark-sounding songs, and this one has a lot more tracks with

a brighter tone. While it's not a bad change, songs like "Thief" have a bit too much of a pop feeling to them, possibly because at every chorus they feel obligated to jump into optimism.

Still, *Happiness... Is Not A Fish You Can Catch* is an exceptional album. Its meandering instrumental lines set it apart from the rest of the alternative music world, but its accessible melodies and excellent vocals make it a CD that any modern rock fan will enjoy. Buy this album, if for nothing else than the picture on the inside where the old guy actually tries to eat the fish. I bet you'll love the music too.



Pixie Anne Pennwright

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ON THE SCREEN

— BY THE TECH ARTS STAFF —

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

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

American Beauty (★½)

An extremely annoying movie: this deadpan black tragicomedy is a laughable failure as a work of art, being pretentious, simplistic, and self-important. Excepting a truly remarkable performance by Kevin Spacey (whose part is disappointingly small), there's nothing to this movie beyond tortured metaphors, caricatures instead of characters, and a messy pile-up of red herrings instead of a plot. — Vladimir Zelevinsky

Autumn Tale (★★½)

Veteran French filmmaker Eric Rohmer continues his gentle, thoughtful, and detailed studies of romantic confusion in this delightful comedy about a middle-aged woman's search for love and happiness. A vintage Rohmer film with all the sophistication, depth, and intricacy that makes his films so irresistible. Without doubt one of the best movies of the year. — Bence Olveczky

Big Daddy (★★½)

Adam Sandler attempts to grow up as an actor playing a complete loser who gets trans-

role as the meek Jiff, and Bowfinger's dog Betsy is not to be missed. — Roy Rodenstein

Eyes Wide Shut (★★½)

Enjoy the great, nearly forgotten feeling of being in the hands of a master storyteller, with him guiding a story that is paced just right, and with surprises lurking behind every corner. A gradual descent into a half-comic, half-surreal nightmare — and then a period of awakening and attempting to recall the dream. A visual, excellently acted, and often funny tale. A frequently self-indulgent auteur work. The most optimistic of all Kubrick films. All of the above and more. — VZ

An Ideal Husband (★★)

An Ideal Husband is an example of how not to direct a movie. With such superlative resources at his disposal — star-studded cast (Jeremy Northam, Rupert Everett, Cate Blanchett, Julianne Moore, Minnie Driver), great source play, lush production design — all that director/writer Oliver Parker manages to create is a particularly joyless, visually bland, narratively pedestrian, weird mixture of light comedy and somber drama, with these two halves desperately fighting each other. — VZ

Illuminata (★★★)

A beautiful and elegant movie about a theater company that is set in turn-of-the-century Manhattan — and a mess of seemingly meaningless and unresolved subplots. Largely redeemed by fantastic sets and costumes. — Zarminae Ansari

Island of the Sharks (★★★)

Island of the Sharks is a remarkable achievement on the visual front, providing some sequences which feel hyper-real, out of this world, and literally larger than life. This solid Omnimax documentary puts the viewer right in the middle of shark-infested waters, without even a danger of getting one's feet wet. It succeeds as a travelogue, showing the sights that most of us would never get a chance of seeing otherwise. If you aren't satisfied with just looking, but also want to learn something, I suggest looking elsewhere, however. — VZ

The Matrix (★★½)

A wildly imaginative ride. The plot is nicely complex, the visuals and the special effects are out of this world. As the computer hacker Neo (Keanu Reeves) dashes through a succession of interlocked dreams in the quest to find true reality, the film launches into a full-throttle mode of inventive action sequences. By combining cyberpunk ethos with anime style, *The Matrix* breathes new life into the genre of sci-fi action films. — VZ

The Muse (★★★)

A comedy about a modern Muse, the immortal daughter of Zeus, inspiring a washed-out screenwriter, this is essentially one elaborate and consistently funny Hollywood in-joke. Features a great performance by Sharon Stone in the title role and a wonderful Mozartesque score by, of all musicians, Elton John. — VZ

Mystery Men (★★★)

Part *Batman*, part *Blade Runner*, part *Naked Gun*, part something entirely new and original, *Mystery Men* is both a spoof of an over-directed over-produced over-merchandized superhero genre and an attempt to genuinely thrill and wow the audience. It is enjoyable, funny, rather sweet, and very inventive — but rarely exciting, and somewhat hampered by the by-the-numbers story. — VZ

Notting Hill (★★★)

A rare case of an intelligent romantic comedy, this is a noteworthy — but not exception-

al — tale of romance in adversity. Julia Roberts plays the world's most famous movie star and Hugh Grant is the owner of a small and unprofitable bookstore. The pair's meeting is followed by a series of wonderfully awkward encounters and the expected budding of a romance. Richard Curtis's script only occasionally rises above formula, but when it does, the results are astounding and memorable. — Fred Choi and VZ

Outside Providence (★★★)

It's Pawtucket, Rhode Island, in the '70s, and the Farrelly brothers are at it again. The writers of *There's Something About Mary* show a broader scope here, moving from visual comedy to funny, affecting dialogue. Recreational junkie Tim Dunphy's run-in with a parked police car nets him a transfer to strict Cornwall Academy, where he makes a new set of goofball friends. Dunphy's old man (Alec Baldwin) stays home with Tim's three-legged dog and his card-playing buddies, who try to be bigots but can't really pull it off. The precarious plot leaves center stage to a clever dose of lowbrow humor, perfectly delivered by a bunch of earnest simpletons. — RR

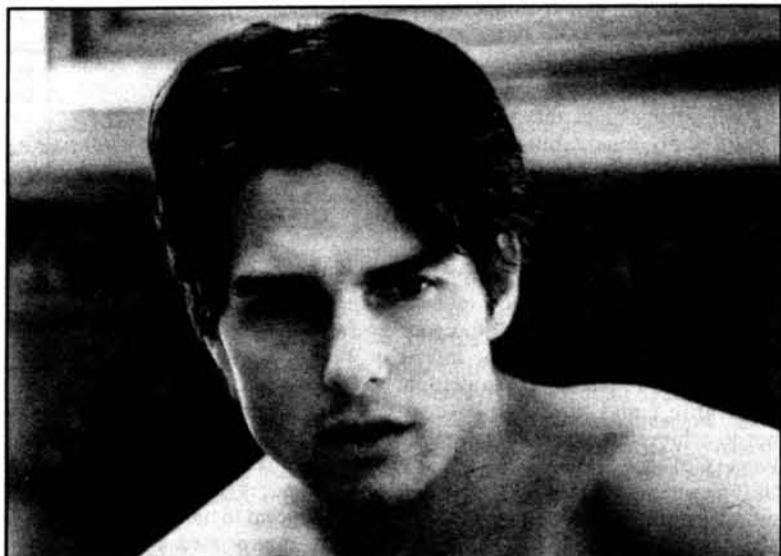
Runaway Bride (★★★)

Sparkling chemistry between Richard Gere and Julia Roberts saves *Runaway Bride* from drowning in sappiness. The film tells the story of a bride who has left a string of fiancés at the altar and the smug journalist who writes a story about her. While the setup is riddled with enough movie clichés to make a person sick, Gere and Roberts shine on screen, affirming themselves as one of the more successful screen duos of the 90's. — TH

Run Lola Run (★★★)

Lola's boyfriend needs \$100,000 in twenty minutes, or else he's dead. Lola's motorbike was just stolen, so she has to run if she wants

Bruce Willis plays the psychologist trying to help him. The strength of their performances carries the movie past its slight flaws, making *The Sixth Sense* one of the best movies of the summer. — Tzu-Mainn Chen



Tom Cruise plays Dr. William Hartford in Stanley Kubrick's final film *Eyes Wide Shut*, also starring Nicole Kidman.

Stigmata (★½)

Patricia Arquette plays a possessed woman suffering from *stigmata*-experiencing the same wounds Jesus Christ did during his crucifixion. Gabriel Byrne plays a skeptic priest who struggles to save her life and protect her from the Catholic Church. Director Rupert Wainwright's first serious project lacks elements critical for a worthwhile thriller. — Annie Choi

Tarzan (★★★)

A good, solid, workmanlike movie from the Mouse House; just about as good as anything they made in the last few years, and not better. The overall story of the orphaned boy Tarzan who's brought up by the African apes is so tired that it really doesn't matter much. What lingers in the memory is the more than usually affecting love story and the amazing visuals. — VZ

The Thomas Crown Affair (★★★)

A cross between a star vehicle and an old-fashioned heist movie: a bored zillionaire steals priceless paintings for fun, and a dedicated insurance investigator tries to trap him, falling for him in the process. Excellent opening and ending sequences, largely expendable middle; but that Monet-Magritte-Escher inspired climax is spectacular. — VZ



Christopher Walken plays a flamboyantly foppish drama critic in *Illuminata*.

formed into a more respectable and lovable loser when he adopts a five-year old kid. The film starts out strong with great humor and some genuine acting from Adam Sandler, but eventually spills over the top with sappiness. — Teresa Huang

The Blair Witch Project (★★★)

A nearly brilliant character study of three student filmmakers getting lost in the woods while shooting a documentary about a local legend — and a solid but hardly outstanding horror picture. The horror is good but superfluous, and it only distracts from the heart of the picture, but that heart remains highly affecting and haunting. Contains probably the best performance of the year so far by Heather Donahue. — VZ

Bowfinger (★★½)

Bobby Bowfinger has an eager cast, a script about an alien invasion, and no star. Unfazed, he decides to film action star Kit Ramsey on the sly, sending his actors out to interact with him. With a quick-witted script that skewers Hollywood and actors alike, *Bowfinger* is a very entertaining ride. Murphy in particular is grand in a second



Gabriel (Christian Campbell, left) and Mark (J.P. Pitoc) share a private moment in *Trick*, directed by Jim Fall.

to be there on time. A minor plot detail: she doesn't have the money. So she needs to run really fast. The result is a streamlined movie possessing an unstoppable sense of motion, and giving the visceral pleasure of seeing a tightly-wound plot unfold. — VZ

The Sixth Sense (★★½)

Cole Sear is a young boy whose special power, "the sixth sense," enables him to perceive the ghosts which, unbeknownst to the rest of the world, walk among us every day.

Trick (★★½)

At last! A queer romantic comedy in which the main characters are simply regular, well-adjusted gay people going about their everyday lives. A stellar trio of main characters and an excellent supporting cast, along with thoughtful pacing and a wonderful, quirky script, make this not only one of the best gay flicks in a long while, but also a romantic comedy that can hold its own against any straight comedy. — FC

MUSIC REVIEW

State Of The Airwaves

Preachers, the Paradise, and overplayed pop stars

By Dan Katz

STAFF WRITER

Welcome to the beginning of October and a lecture on which concerts you should check out this month. Vertical Horizon and the Angry Salad hit the Paradise on the 16th, and Fuel shows up at the Avalon with Stroke 9 and Bif Naked on the 29th. As far as Mix 98.5's gigantic concert Mixfest, go to the show but don't buy a ticket under any circumstances. The ticketed second day is nothing but overplayed pop stars, while the free Saturday half (October 9 at City Hall Plaza) features Ben Folds Five, Duran Duran, Thisway, Train, and the sadly unappreciated Fleming and John. It's more than worth the cost.

Speaking of Stroke 9, their "Little Black Backpack" song is a hit with an identity crisis; it dodges between an expansive sad ballad and a peppy little guitar song, both of which are very well done, but do they go together? All doubts are shattered by the terrific tongue twister of a line that closes the chorus: "Just don't expect to get your bloody black backpack back." Listen to that bit and tell me it's not catchy.

Are Manic Street Preachers the best band in the world, as a British music magazine declared they were earlier this year? The mediocrity of their most recent single, "If You Can Tolerate This, Then Your Children Will Be Next," led me to answer with a resounding no, but their new effort, "You Stole The Sun From My Heart," makes me rethink my opinion. It's a solid Brit-rock song, featuring a great mechanical drumline and vocals so high and clear they'd make Placido Domingo feel slightly inadequate. The Preachers played the Paradise a few weeks ago. In Europe they play stadiums. Someone somewhere must be missing something.

And the winner of State of the Airwaves' Confusing Dance Music Video About Latin American War Casualties And Flashy Soda Machines Of The Week: (drumroll) "Out of Control," by the Chemical Brothers. (I'll be really impressed if I ever find another video to give that award to.)

No, the Wiseguys' "Ooh La La" hasn't faded away. Yes, it's still in my head, and yes, I still want it out. Argh. Go 'way.

And finally, can I just say this Garth Brooks/Chris Gaines thing is one of the most pathetic things I've ever heard of? Brooks wants to release a rock album (probably because country music doesn't get you chicks) and so he films a TV special in which he's possessed by fictional rock star Chris Gaines. I say if you want to try out a new genre, go ahead, but rock music fans are likely to take you more seriously if your CD doesn't come with its own science fiction story.

You know what? When you write to the President, he doesn't really read your letters. When you write to Airwaves, you get results. Reach me at <airwaves@the-tech.mit.edu> and speak your mind about music, local and national. Until next week, keep expanding your horizons.

FILM REVIEW

Stigmata

Movie from hell

By Annie S. Choi

PHOTOGRAPHY EDITOR

Directed by Rupert Wainwright

Produced by Frank Mancuso, Jr.

Written by Tom Lazarus and Rick Romage

With Patricia Arquette, Gabriel Byrne,

Jonathan Pryce, Enrico Calantoni

In the mood for some self-mutilation? How's your faith these days? You can test it by seeing *Stigmata*. Directed by Rupert Wainwright, MGM's latest endeavor features Patricia Arquette, Gabriel Byrne, and Jonathan Pryce, with music arranged by Billy Corgan of the Smashing Pumpkins.

Gabriel Byrne plays Father Andrew Kiernan, a Catholic priest from the Vatican who investigates miracles all around the world. He is a scientist who turned to God in search of a higher answer to existence. Thus, he is well educated in the Holy Bible as well as organic chemistry. He is a religious scientist who happens to unravel 'miracles' aimed at exploiting the devout and taking in rather healthy donations. So really, he's a skeptic priest scientist.

Meet Frankie Paige (Patricia Arquette). She is a 23 year-old hairdresser with bad luck in love. She drinks. She smokes. She parties. And guess what? She doesn't believe in God. Do you sense inevitable conflict?

Paige receives a rosary from her mom, who sent it from a South American church that happens to have a lot of candles, doves, a dead excommunicated priest, and a Virgin Mary statue which cries blood. Soon the heroine gets mysterious puncture wounds in her wrists, followed by some slashes on her back (both of which spurt enough blood to satisfy the Red Cross for months). Is it attempted suicide? Is it epilepsy? The doctors think so. No, it's possession.

Well what do you know, Paige suffers from *stigmata*. Historically, only those who are the most religious develop signs of five wounds — the same wounds Jesus experienced during his crucifixion. Devouts like St. Francis de Assisi and Frankie Paige. She needs help. She's an innocent irreligious girl with stigmata and our priest skeptic scientist is the principle investigator. She unwittingly writes ancient Aramaic, the supposed language of the historical Jesus, on her living room wall. It is an excerpt from a gospel written by Jesus — his true Word. The Vatican has known about the lost gospel for years, but has been trying to keep it under wraps since it can undermine the Church. The gospel states that "His Kingdom is inside of you." Therefore a church which requires it's own zip code within Rome is quite unnecessary. The

possessed Frankie is enraged because someone is trying to stop the true word of God.

Through this entire possession, the 'real' Paige flirts with Father Kiernan. Has he ever been with a woman? Does he think about sex? The characters are thrown into a silly love relationship that fails to be interesting, nor are the characters developed enough for us to even care. The dialogue solely functions to push the course of events and is void of meaning and full of banal quips. "I want my life back," she cries. Well of course she does, but it's just a little difficult now that she's possessed.

Perhaps the only thing more banal than the dialogue is the imagery. Director Rupert Wainwright (Disney's *Blank Check*, some Reebok commercials) lacked the creativity to use images beyond crucifixes, religious statues, candles, and doves. These, juxtaposed with scenes of body piercing, tattooing, sex, alcohol, and electronica managed to make a dumb movie even dumber. Throw in some church music and some Chumbawumba. Now repeat over and over and over again. Now we have a movie.

Along with the many juxtapositions of bleeding wrists and body piercing, the film's soundtrack features clashing musical styles. One minute church organs, next minute remixes of Bjork's electronic sounds. The music direction was lead by Billy Corgan, the Smashing Pumpkins frontman, with additional music by jazz musician Mike Garson. The result is a strange and intriguing mixture of sounds which is far more interesting than the movie itself. The soundtrack features artists like David Bowie, the Afro Celt Sound System with Sinead O'Connor, Massive Attack, and Natalie Imbruglia. It's an impressive group, but somewhat distracting. The music was overpowering at times, but failed to have the dramatic affect that was intended.

Though the film is a disgrace, Gabriel Byrne pulls off the skeptic priest scientist well. His is the only character the audience may care about, but really does not. Patricia Arquette pulls off a lackluster performance: she did not have much of a character beyond a tragic hairstylist with a lot of Band-Aids. However, the most enjoyable character to watch is Jonathan Pryce as the evil Cardinal Housemen. It's those beady eyes and that cold accent which transforms him into a priest dedicated to securing the Catholic Church's power by any means necessary.

The main problem with *Stigmata* is it's elements taken from too many genres — it's a horror film, a love story and a suspense/drama with a political and religious message. *The Exorcist* is unmistakably a horror film. It has all the great elements of a thriller — demons, plenty of blood, maybe some acidic spit. *Stigmata* is just a bad movie. If the film had focussed its attention on developing its characters and plot, it could have been a welcome surprise. With most horror movies centered towards high school kids, this reporter was looking forward to an adult thriller, only to be disappointed.

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Oct. 16: Cesaria Evora, \$28, \$24.
Oct. 23: Yolanda Adams, \$27.50-\$32.50.
Oct. 24: Clint Black, \$42.50.
Oct. 30: Paolo Conte, \$28, \$22.
Oct. 31: Eleftheria Arvanitaki, \$50, \$35, \$25.
Nov. 19: Arlo Guthrie, \$22.50-\$27.50.

Centrum Centre
Ticketmaster 931-2000.
Oct. 9: ZZ Top & Lynyrd Skynyrd, \$38.50, \$29.50.
Oct. 18: Jimmy Page & The Black Crowes, \$38.50, \$29.50.

Fleet Center
Ticketmaster: 931-2000
Oct. 8: Bette Midler, \$100.50, \$75.50, \$50.
Oct. 12: Elton John, \$65, \$49.50, \$39.50.
Oct. 29: Monster Jam (presented by Jam'N 94.5, with Jay-Z, Jah Rule, Destiny's Child, Ginuwine, Naughty by Nature, Shaggy, Mr. Vegas and Blaque. Sold Out.

The Middle East
Ticketmaster: 931-2000.
Ticket prices vary. Call 354-8238 for more info.
Oct. 1: Verbena.
Oct. 1: Angry Salad.
Oct. 2: Count Zero
Oct. 3: Cat Power.
Oct. 7: Les Savy Fav.
Oct. 7: Down Low Connection.
Oct. 8: Chelsea On Fire.
Oct. 9: Fuzzy.
Oct. 9: Two Ton Shoe.
Oct. 11-13: Jonathan Richman.

Orpheum Theatre
Ticketmaster: 931-2000
Oct. 1: Linda Ronstadt and Emmylou Harris, \$50, \$35, \$28.50.
Oct. 11-12: Widespread Panic. TBA.
Oct. 21: Elvis Costello. \$46, \$36, \$26.
Oct. 30: Guster, \$17.50.
Nov. 2, 4: Meat Loaf. \$65, \$39.50, \$28.50.
Nov. 18: Live. TBA.
Nov. 16: Richard Thompson and Lucinda Williams, \$31, \$26.

Tsongas Arena (Lowell, MA)
Ticketmaster: 931-2000.
Oct. 2: Oleander, Our Lady Peace, Creed. Sold Out.
Oct. 6: Indigo Girls, \$27.
Oct. 27: Kid Rock, \$20.

Jazz Music

The Aardvark Jazz Orchestra

Oct. 2 at the Central Congregational Church, 85 Seaverns Ave., Jamaica Plain, MA at 8 p.m. The Aardvark Jazz Orchestra begins its Fall Season with a concert of music by Duke Ellington, Abdullah Ibrahim, Ernie Wilkins, and Aardvark music director and MIT music professor Mark Harvey. The concert will benefit the work of the Arts Program of the Central Congregational Church. Tickets \$8, for more information call 617-524-3343.

Scullers Jazz Club
Ticketmaster: 931-2000
Ticket prices vary. Call 562-4111 for more info.
(All performers have two shows per day unless otherwise noted)

Oct. 1, 2: The Players of '99. Both shows cancelled.
Oct. 2: Motown Express, Featuring Wanetta Jackson and Frank Wilkins (one show).
Oct. 5: Annie Royer (one show).
Oct. 7: Carlos Malta + Trio da Paz.

Mixfest '99 at Foxboro
Oct. 10, 11:00 a.m. to 11:00 p.m.
Main Stage: Susan Tedeschi, Six Pence None the Richer, Luscious Jackson, Fastball, The Pretenders, Natalie Merchant, Sugar Ray, Melissa Etheridge, Blondie. Festival Stage: Jah Spirit, Kendall Payne, Entrain, Merri

On The Town

A weekly guide to the arts in Boston
October 1 — October 8
Compiled by Fred Choi

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Classical Music

West Meets East

Sep. 25 at 8 p.m. The Chinese Arts Exchange and Harvard University Chinese Students Scholar Association present contemporary classical music at Sanders Theater, Harvard University. Chinese musicians will perform a program including Chinese Art Songs and Opera Arias and the "Yellow River" Piano Concerto with the Newton Symphony Orchestra, conducted by Jeffrey Rink. Tickets \$30, \$25, \$20. For tickets and more info. call the Chinese Arts Exchange at 627-965-2078 or Sanders Theater's Box Office at 627-496-2222.

Boston Symphony Orchestra
Tickets: 266-1492.
Performances at Symphony Hall, 301 Massachusetts Ave., Boston unless otherwise noted.

Oct. 1, 2. Mahler: Symphony No. 2, "Resurrection." Seiji Ozawa, conductor; Paula Delligatti, soprano; Florence Quivar, mezzo-soprano; Tanglewood Festival Chorus; John Oliver, Chorus conductor. Tickets available: Oct. 1: \$70, \$34, \$27. Oct. 2: Sold out.

Oct. 7-9, 12: Beethoven's Symphony No. 2, Zemlinsky's Lyric Symphony. Seiji Ozawa, conductor; Luba Orgonasova, soprano; Jose van Dam, bass-baritone. Tickets available: Oct. 7, 12: \$31, \$24. Oct. 8, 9, Sold Out.

Oct. 15, 16: Lieberson: Red Garuda (world premiere; commissioned by the BSO), Tchaikovsky: Symphony No. 5. Seiji Ozawa, conductor, Peter Serkin, piano. Tickets available: Oct. 15, 16: Sold out.

Theater

The Tempest

Through Oct. 23, Presented by The Theatre Cooperative at The Peabody House Theatre, 277 Broadway, Somerville, MA 02145. The Theatre Cooperative presents William Shakespeare's classic *The Tempest* in the round. Confined to a mysterious island but endowed with magical powers, Prospero weaves his spells on those that once betrayed him in an effort to restore the balance between freedom and enslavement, love and revenge. This stripped-down, actor-driven production features a cast of eight and live music. Directed by Lesley Chapman. Call 617-625-1300 for more information.

One Man Band

Oct. 14-16, 21-23 at 8 p.m. at Mobius, 354 Congress St., Boston, near the South Station T stop on the MBTA Red Line. Mobius proudly presents performance solos by Marjorie Morgan with lighting by Holly Ratafia and slides by Whitney Robbins. Ms. Morgan captivates her audience with her humorous and incisive characters and rich blend of movement, text, and song. This series of showing marks the first time Ms. Morgan has presented a program exclusively comprised of solos, and the range of themes includes real estate and hunger to rape and redemption. Reservations are strongly recommended. Tickets \$12, \$10 students, seniors, and Friends of Mobius. \$5 coupons will be available at Mobius during the Fort Point Channel Open Studios, Oct. 16, 17. For more information or to make reservations, call 617-542-7416.

Blue Man Group

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

Shear Madness

Charles Playhouse Stage II, 74 Warren Street, Boston (426-5225), indefinitely. Curtain is at 8 p.m. Tuesday through Friday, at 6:30 and 9:30 p.m. on Saturday, and at 3 and 7:30 p.m. on Sunday. Tickets \$30-34.

1999 Out on the Edge Festival of Lesbian & Gay Theater

Presented by the TheaterZone, 100 Captains Row #306, Chelsea, MA 02150, (617) 887-2336. All performances will be held at the BCA Theater, Boston Center for the Arts, 539 Tremont Street, accessible by both the Orange and Green MBTA lines. Call theater for reservations.

Preaching to the Perverted

Holly Hughes returns to The Theater Offensive with a brand new piece that encompasses family values, lesbian chic, and the American judicial system. In *Preaching*, Hughes guides us on a tour of the dark side of democracy with a stop at the Supreme Court, a trip backstage with the Teletubbies, the Clinton promises, and a delicious Salisbury steak supper at the local Kiwanis Club. Sep. 29, 30, Oct. 1 and 2.

Exhibits

Isabella Stewart Gardner Museum

280 The Fenway, Boston. (566-1401), Tues.-Sun. 11 a.m.-5 p.m. Admission \$10 (\$11 on weekends), \$7 for seniors, \$5 for students with ID (\$3 on Wed.), free for children under 18.
The museum, built in the style of a 15th-century Venetian palace, houses more than 2500 art objects, with emphasis on Italian Renaissance and 17th-century Dutch works. Among the highlights are works by Rembrandt, Botticelli, Raphael, Titian, and Whistler. Guided tours given Fridays at 2:30 p.m.

Threads of Dissent

Oct. 22 Through Jan. 30, 2000. Inspired by the Gardner Museum's extraordinary tapestries, this exhibition illu-

minates the permanent collection in the light of contemporary social, political, and aesthetic issues in the work of living artists. Six works in the special exhibition gallery by the contemporary artists Edward Derwent, Leon Golub, Wojciech Jaskolka, Jorge Pardo, Lilian Tyrrell, and Murray Walker will be related to six tapestries from the collection.

Museum of Fine Arts

465 Huntington Ave., Boston. (267-9300), Mon.-Tues., 10 a.m.-4:45 p.m.; Wed., 10 a.m.-9:45 p.m.; Thurs.-Fri., 10 a.m.-5 p.m.; Sat.-Sun., 10 a.m.-5:45 p.m. West Wing open Thurs.-Fri. until 9:45 p.m. Admission free with MIT ID, otherwise \$10, \$8 for students and seniors, children under 17 free; \$2 after 5 p.m. Thurs.-Fri., free Wed. after 4 p.m.
Mon.-Fri.: introductory walks through all collections begin at 10:30 a.m. and 1:30 p.m.; "Asian, Egyptian, and Classical Walks" begin at 11:30 a.m.; "American Painting and Decorative Arts Walks" begin at 12:30 p.m.; "European Painting and Decorative Arts Walks" begin at 2:30 p.m.; Introductory tours are also offered Sat. at 11 a.m. and 1:30 p.m.

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

Museum of Our National Heritage

33 Marrett Rd., Lexington, 02421. (781-861-6559). Mon.-Sat. 10 a.m.-5 p.m.; Sun. 12 p.m.-5 p.m. Admission free.
The Museum presents an

exhibition of 93 rare and beautiful photographs drawn from the celebrated collection discovered in the attic of the Medford Historical Society in 1990. One of the most extensive and well-preserved collections of Civil War photographs to survive, the Medford pictures are nationally known for their breadth and depth of subject matter. Through Nov. 14.

Museum of Science

Science Park, Boston. (723-2500), Daily, 9 a.m.-5 p.m.; Fri., 9 a.m.-9 p.m.; Sat.-Sun., 9 a.m.-5 p.m. Admission free with MIT ID, otherwise \$9, \$7 for children 3-14 and seniors. The Museum features the theater of electricity (with indoor thunder-and-lightning shows daily) and more than 600 hands-on exhibits. Ongoing: "Discovery Center"; "Investigate! A See-For-Yourself Exhibit"; "Science in the Park: Playing with Forces and Motion"; "Seeing is Deceiving." Ongoing: "Everest: Roof of the World"; "Living on the Edge." Admission to Omni, laser, and planetarium shows is \$7.50, \$5.50 for children and seniors. Now showing: "Laser Depeche Mode," Sun., 8 p.m.; "Laser Offspring," Thurs.-Sat., 8 p.m.; "Laser Rush," Sun., 9:15; "Laser Beastie Boys," Thurs.-Sat., 9:15 p.m.; "Laser Floyd's Wall," Fri.-Sat., 10:30 p.m.; "Friday Night Stargazing," Fri., 8:30 p.m.; "Welcome to the Universe," daily; "Quest for Contact: Are We Alone?" daily.

Commonwealth Museum

220 Morrissey Blvd., Boston, 02125. Located across from the JFK Library. Hours: M-F 9-5, S 9-3. Admission is free. For more info. or to arrange a tour, call 617-727-9268.

The Archaeology of the Central Artery Project: Highway to the Past

The exhibit focuses on life in Colonial Boston as interpreted through artifacts recovered from the "Big Dig" before the construction began. Artifacts and information on display examine leisure activities, tavern life, the life of three colonial women, and Native Americans.

Other Events

Looking Forward, Looking Back: The Three Apples Storytelling Festival

Sep. 24-26. The 15th Annual Festival will be held in Harvard, Massachusetts. Each year New England's largest storytelling festival features over 20 different tellers with performances for all ages and interests. Sponsored in part by grants from local cultural councils, the festival draws over two thousand people each year to hear stories in the beautiful New England fall setting. For tickets and more info., call (617-499-9529). Prices start at \$7 for adults and \$4 for children per performance, with some free performances taking place throughout the weekend. Discount family day passes also available. Advance sales tickets receive 20 percent discount. Venues are handicapped accessible, and Saturday adult performances will be Sign Language interpreted.

The End of the World hosted by Crash 22

Oct. 2, 1:00 p.m. to 1:30 a.m. at The Revolving Museum (288-300 A St., Boston, MA) A millenium-end arts explosion to benefit AIDS Action. Boston-based band Crash 22 will host a charity event at the Revolving Museum designed to infuse new life into the Boston Arts community and to benefit the AIDS Action Committee. The twelve-hour event will feature live music (including the Allstonians, Jess Klein, and others), visual art, readings from writers and poets, film, fashion, and interactive events. The event is co-sponsored by WBCN 104.1 FM and Tremont Ale. Tickets \$15 available at the door or by calling 617-868-0198.

Ringling Bros. and Barnum and Bailey

Ticketmaster 931-2000.

On The Town, from Page 10

Oct. 15-24. "The Greatest Show on Earth" is returning to the FleetCenter. Fun for the whole family! \$35 (VIP), \$25, \$15 and \$10.

John F. Kennedy Library Public Forums

All events will occur at the John F. Kennedy Library and Museum, Columbia Point, Boston and are free and open to the public. For more info., call 617-929-4571.

Ahmed Kathrada

Oct. 10 from 2:00-3:45 p.m. The author of *Letters from Robben Island* shares his experience as a prisoner for 26 years on Robben Island after being convicted of sabotage by the South African government in 1964, alongside Nelson Mandela and Walter Sisulu. Kathrada, who was elected to parliament in South Africa's first free election and appointed as Nelson Mandela's representative to parliament from 1994 through 1999, will also share his insights on the history of apartheid and the ongoing transformations of South Africa today.

The Presidency in Perspective

Oct. 12 from 5:30-7:15 p.m. Join retiring Kennedy Library historian Sheldon Stern as he offers an inside glimpse of the Kennedy administration gleaned from more than 20 years of study of White House documents, presidential recordings, and other historical materials, including recent discoveries concerning the Cold War and the Cuban missile crisis.

The Dance Complex

526 Massachusetts Ave., Cambridge, MA, 02139, (617) 547-9363. Oct. 15, 16 at 8 p.m. debrabluth/jesterfly. A multimedia performance event.

Contredanse!

Oct. 4, Wellesley College presents a baroque dance

demonstration and participatory workshop, with Charles Garth, dancer and co-founder of the Historical Dance Foundation in New York in 1979, and Musicians of the Old Post Road, winners of the American Musicological Society's 1998 Noah Greenberg Award. 12:30 p.m. in the Alumnae Hall Ballroom at Wellesley College. Free admission. For more information, call 781-283-2176.

Film Festivals

At the Museum of Fine Arts, Boston, 02115. For tickets and more information, call 369-3770. Tickets for each showing are \$7, \$6 MFA members, seniors, students, unless otherwise noted.

Scandalous Cinema: The Films of Catherine Breillat

5-film series through Oct. 15: \$20, \$25.

Romance (1998, 105 min.)

The U.S. release of this film will certainly rekindle controversy over when the artistic expression of human sexuality steps over the line into pornography. *Romance* paints a provocative portrait of Marie, a young woman trying to gain control of her life. Claiming he loves her but has lost his desire for her, Marie's boyfriend, Paul, refuses to engage in sexual relations, catapulting Marie into a desperate search for intimacy and erotic connection. Oct. 1.

Tapage Nocturne (1979, 100 min.)

Solange, a film director, mother, and wife in a stale marriage, is looking for mad love and mad love is what she finds. She meets Bruno, a director like herself, and quickly submits to her reserved, manipulative, and crafty lover. They set up severe codes of behavior and create a private, savage language where the word "love" is forbidden. He tortures and intoxicates her, and she weeps and breaks down in this story of destructive, merciless passions. Oct. 7.

Films of Marcello Mastroianni

8 1/2: by Federico Fellini (Otto e mezzo, 1963, 135 min.). Fellini's Oscar-winning eighth film brilliantly connects reality, fantasy, and memory as Mastroianni plays the maestro's alter ego: a frazzled director named Guido. With a string of critical successes behind him, a wife, a mis-

Oct. 12 from 5:30-7:15 p.m. at the John F. Kennedy Library and Museum, Columbia Point, Boston. Join retiring Kennedy Library historian Sheldon Stern as he offers an inside glimpse of the Kennedy administration gleaned from more than 20 years of study of White House documents, presidential recordings, and other historical materials, including recent discoveries concerning the Cold War and

The Jeff Robinson Trio will be performing their critically acclaimed CD entitled *Getting Fixed*, as well as hosting an open mike poetry jam. The trio is receiving wide acclaim for its music and jazz poetry projects. Tickets: \$5. Call (617) 547-6789 for more information.

Chang-rae Lee Reading

Riverhead Books is pleased to announce that Chang-rae

at 5. Free, call Wordsworth for more info. at 617-354-5201.

The Samaritans 5K Run/Walk

Oct. 16: At 10 a.m., first annual Run/Walk along the Charles River, designed to boost awareness about suicide prevention, and to raise funds for the only suicide prevention center in Greater Boston. All proceeds from the



The violin section of the Boston Symphony Orchestra.

STEVE J. SHERMAN

ress, a host of other women who adore him, and a crew all ready to start filming. Guido is stricken with "creative block" as he tries to envision his next movie. Oct. 1.

John F. Kennedy Library Public Forums: The Presidency in Perspective

the Cuban missile crisis. Free. For more info., call 617-929-4571.

Jeff Robinson Trio: Performance and Poetry Jam

Oct. 9, 8 p.m. at the Cambridge Center for Adult Education, Blacksmith House, 56 Brattle, Cambridge, MA.

Lee, author of the critically acclaimed *Native Speaker*, will be coming to Boston on Friday, October 1 as part of a national tour to promote his new book, *A Gesture Life*. Lee will read from the book at Wordsworth (30 Brattle Street, Cambridge) at 6 pm. Reception open to the public

event will be used to benefit The Samaritans' supportive and life-saving services. Prizes given to the top finishers of various age categories, and first 250 registrants will receive complimentary t-shirts. Pre-reg. fee: \$12. For more info., call 617-536-2460.

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A. 115° B. 118° C. 121° D. 124°

This is the FINAL Hot Fact in the COOL FROM Nestea Hot Facts Sweepstakes. If you missed one of the previous Hot Facts, don't worry. Just log onto www.coolcore.com this week and you can answer the questions you missed. Once you've completed all FOUR Hot Facts you will be automatically entered for a chance to win in the Hot Facts Sweepstakes.

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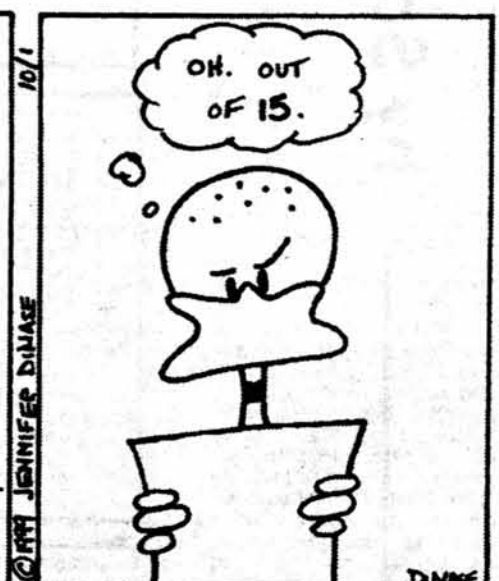
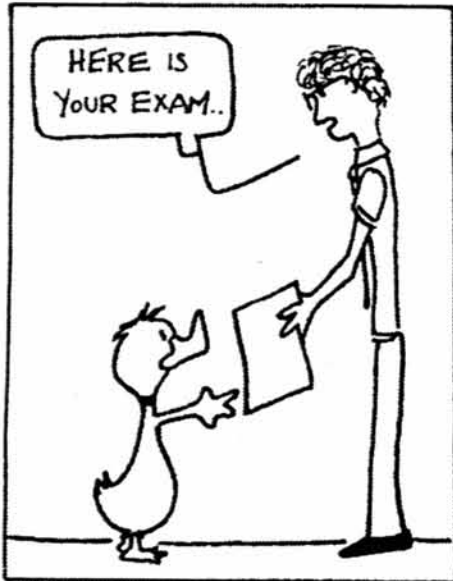
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Open to U.S. residents, who, as of 9/8/99, are enrolled in a U.S. college. No purchase necessary to play. Void in Florida and where prohibited. To enter via internet: Access the "COOL FROM Nestea Hot Facts" Web site at www.coolcore.com starting 12:01 AM (ET) on 9/27/99 through 11:59 PM (ET) on 10/30/99 to see that week's Hot Fact(s) on screen. Every time you log on, you will be instructed to complete the on-screen entry form, including your name, the name of the college you are attending and the letter A, B, C or D, representing the word(s) which complete(s) the Hot Fact(s) for that week. Answer(s) need not be correct to be eligible but you must submit your answer to each of the four Hot Facts (one Hot Fact published each week as described in Rule #1 of the Official Rules) to be entered into the sweepstakes. Starting 12:01am (ET) on 9/27/99 through 11:59pm (ET) on 10/31/99 all four Hot Facts will appear on screen in case an internet participant misses one or more of the Hot Fact(s) that were featured. While you can, if you wish, log on each day, only one sweepstakes entry per e-mail address that includes all four answers will be entered into the sweepstakes drawing. To enter via mail: On plain 3" x 5" paper, hand-print your complete name, address, zip code, (optional) daytime and evening telephone numbers and the words "COOL FROM Nestea Hot Facts". Mail your entry in a hand-addressed 4-1/8" x 9-1/2" (#10) envelope, with first-class postage affixed, to: COOL FROM Nestea Hot Facts Sweepstakes, RGL Box 4941, Blair, NE 68009-4941. Limit one entry per envelope. Entries must be received by 11/15/99. IMPORTANT: On the lower left-hand corner of your mailing envelope, you must indicate the name of the college you are attending. For Official Rules, by which entrants are bound, including a list of participating colleges, send a SASE to: Hot Facts Rules Request, P.O. Box 4948, Blair, NE 68009-4948.

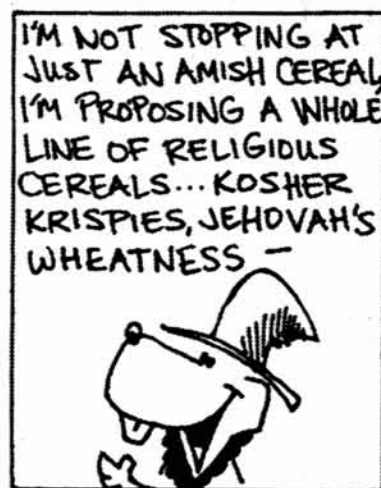
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Down with Science

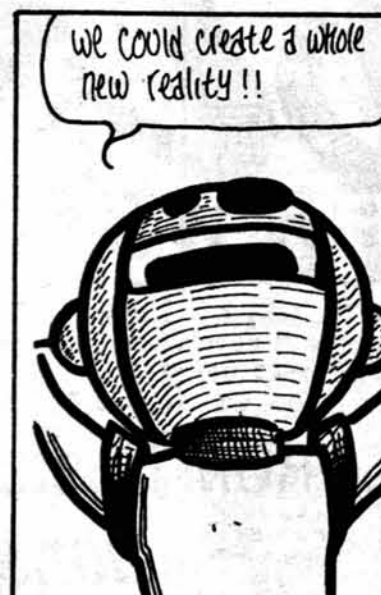
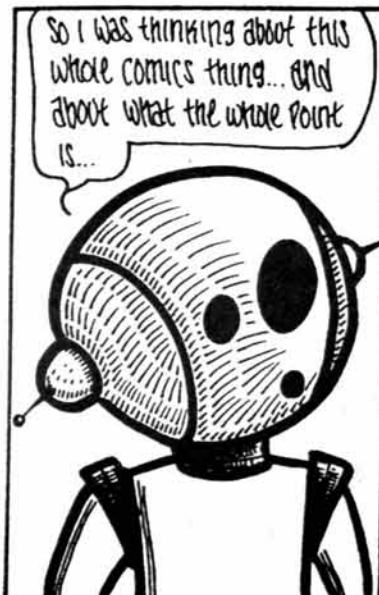
by Jennifer DiMase



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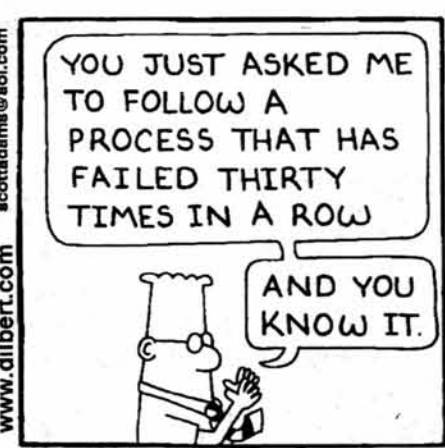
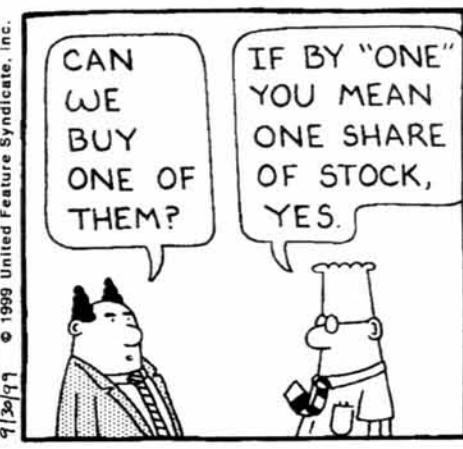
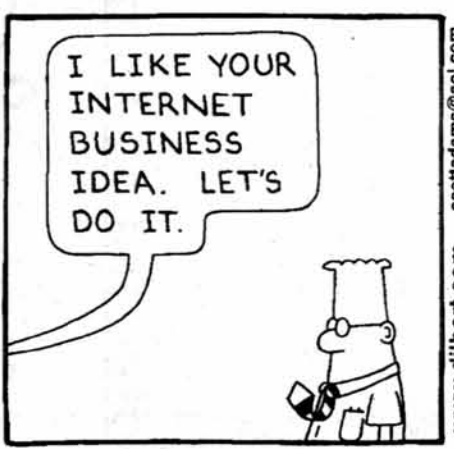
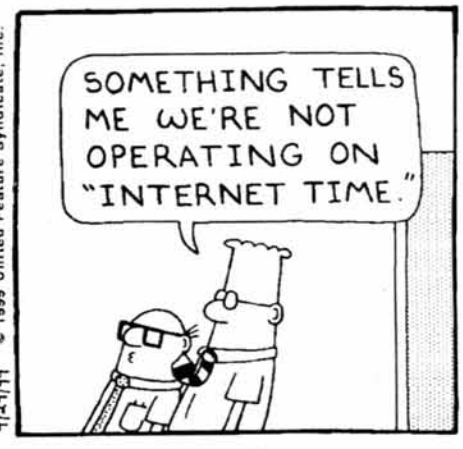
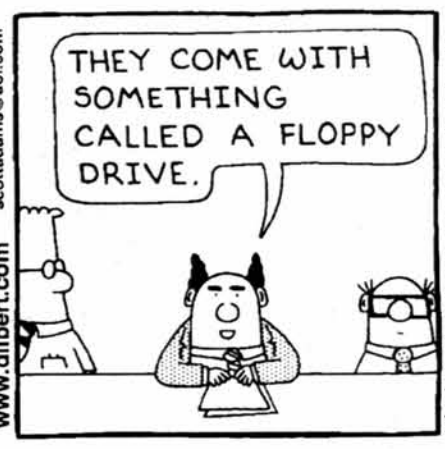
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TRED SOLES BY DAVID



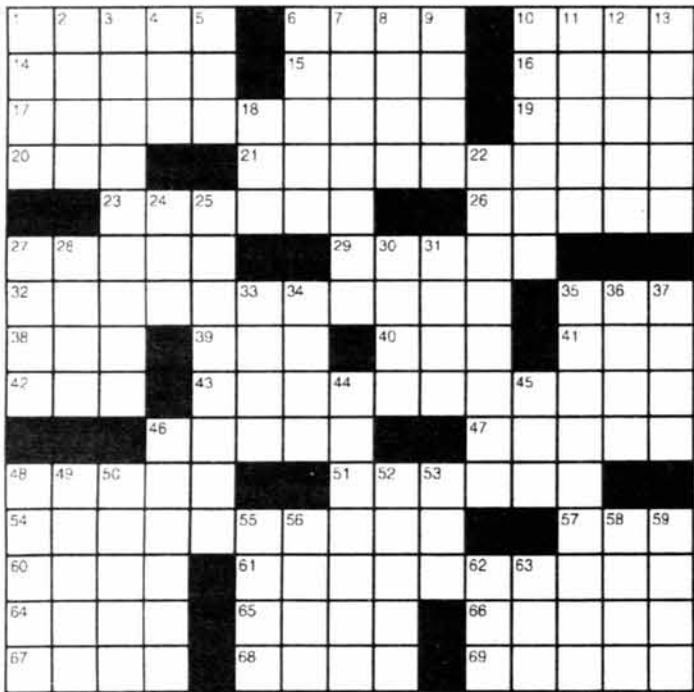
Dilbert® by Scott Adams



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Crossword Puzzle



ACROSS

- 1 Grow less
- 6 Flat-bottomed boat
- 10 Skillful
- 14 Force back
- 15 Help with the dishes
- 16 Smell
- 17 Charms
- 19 "Pretty Woman" co-star
- 20 "Ben ___"
- 21 Performances
- 23 Go to
- 26 Palliates
- 27 Venture a thought
- 29 Ventriloquist Bergen
- 32 Hit books
- 35 Get handed a bum ___
- 38 Time period
- 39 Also
- 40 Moray ___
- 41 A Gabor
- 42 Actor Brynner

- 43 Author of "Such Darling Dodos"
 - 46 "Peer Gynt" playwright
 - 47 Looking up and down
 - 48 Leaving nothing out
 - 51 Atlantic islands
 - 54 Grouping
 - 57 Highland hat
 - 60 Great Lake
 - 61 Skim on a wet road
 - 64 Takes advantage of
 - 65 Mimic
 - 66 Clumps of fluff
 - 67 Closely confined
 - 68 Fuss
 - 69 Abominable snowmen
- DOWN**
- 1 Foot structure
 - 2 Swain
 - 3 Official valuation

- 4 Hanoi holiday
- 5 Actor Wallach
- 6 Proust character
- 7 Fortress
- 8 Fuel cartel
- 9 Compass direction
- 10 Turned-down corner
- 11 Idyllic gardens
- 12 Strong suit
- 13 Shock or lock
- 18 Two-finger sign
- 22 More meager
- 24 Blow-up letters
- 25 Fit for evaluation
- 27 Listen to
- 28 Machu Picchu locale
- 30 Barely passing grades
- 31 Enlarged
- 33 Millennium
- 34 Box seat
- 35 Intractable
- 36 Bard's river

- 37 Spasm of distress
- 44 Single-handed
- 45 Caustic solution
- 46 Most sick
- 48 Freeze
- 49 Scandinavian
- 50 Foreign
- 52 Fictional swordsman

- 53 Lennon's widow
- 55 Confab
- 56 Secretarial mistake
- 58 Against
- 59 Army meal
- 62 Layer
- 63 Falsehood



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10/1/99

TechCalendar

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

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

Friday's Events

7:00 - 10:00 p.m. – **Mars Week @ MIT.** 3 days of famous Mars scientists and engineers, with a writer and a Hollywood director thrown in for good measure. Registration required - <http://thinkmars.mit.edu/marsweek.html> (Oct 1-3). Aero/Astro Marlar Lounge. Sponsor: Think Mars.

7:30 p.m. – **Boston Premiere of "Love Stories" — a film by a Polish director Jerzy Stuhr.** Four stories of love: yearned-for, betrayed, found. An astounding film about life, kept in the spirit of the last films of Krzysztof Kieslowski. Special import from Poland. You'll never see it again. 1 hour 30 minutes. 10-250. Sponsor: International Film Club.

12:00 p.m. — **Private Mars Missions: A Radical Approach** — John Carter McKnight, Red Planet Research, Inc. Sponsored by Students for the Exploration and Development of Space with MIT Mars Society. Lunch Seminar: A practical, near-term program for privately-funded human missions to Mars based on a minimal role for governments and their major aerospace contractors. More info: BMackenzie@alum.mit.edu, <http://www.redplanetinc.org>.

3:00 p.m. – **Hairy Little Legs: Feeding, Smelling, and Swimming at Low and Intermediate Reynolds Numbers** — Prof. M.A.R. Koehl, Dept. of Integrative Biology, University of California, Berkeley. Sponsored by ME Seminar Series. Rm 3-270. Refreshments in room 1-114 to follow. More info: Call Beth Henson at 258-5807. bhenson@mit.edu.

4:00 p.m. – **Electron Cyclotron Heating in Overdense Plasmas** — Abhay Ram, MIT Plasma Science and Fusion Center. Plasma Science and Fusion Center Seminar Series. Rm NW17-218. Refreshments served at 3:45 pm. More info: Call Paul Rivenberg at 253-8101. rivenberg@psfc.mit.edu. <http://www.pfc.mit.edu/>.

4:15 p.m. – **Mobius inversion in coding theory** — Stefan Schmidt, Massachusetts Institute of Technology. Sponsored by Combinatorics Seminar with Department of Mathematics. Rm 2-338. Refreshments will be served at 3:30 PM in Room 2-349. More info: Call Sara Billey at 253-6544. sara@math.mit.edu. <http://www-math.mit.edu/~combin>.

Saturday's Events

12:00 p.m. – **Homecoming Game.** MIT Varsity Football faces Curry College in the first-ever formal homecoming! Cheerleaders and pom-pom squad will perform at halftime. Free souvenir cups. Free Admission. Steinbrenner Stadium. Sponsor: Homecoming Committee.

3:00 p.m. – **The Color of Fear Movie Screening.** A breakthrough film about racism; it explores the complexities of ethnoracial difference, power and community. Awarded "Best Social Studies Documentary of 1995" and featured on the Oprah Winfrey show. 4-231. Sponsor: Undergraduate Association Committee on Multiculturalism.

6:30 p.m. – **MIT Women Envisioning the Future: 100th Anniversary of AMITA.** Join the members of the Association of MIT Alumnae in celebrating their 100th Anniversary. Faculty Club. Sponsor: AMITA.

7:30 p.m. – **MIT Logarithms Fall Concert.** MIT's oldest a cappella

group rings in the new school year with some delightful a cappella tunes. Come hear your favorite Logs tunes, mixed in with some previews of songs from the upcoming CD. 2 hours 30 minutes. 10-250. Sponsor: Logarithms, MIT.

9:00 p.m. – **MILAN.** Milan is an annual cultural dance celebration sponsored by SAAS. Students arrive in ethnic attire to enjoy a mix of garba, dandia raas, and bhangra. Milan is on October 2 from 9PM-1AM in La Sala. Admission 7.00. La Sala, in Student Center. Sponsor: South Asian American Students.

Sunday's Events

4:00 p.m. – **Mala Chandrasekhar: South Indian Flute.** MITHAS (MIT Heritage of South Asia) concert. With H.N. Bhaskar, violin and Madipakkam Suresh, mridangam. General admission: \$15, \$12—students & seniors. Admission 12.00. Killian Hall. Sponsor: Office of the Arts.

Monday's Events

8:30 a.m. - 8:00 p.m. – **Materials Day 99.** Small-Volume Structures, Thin Films, and MEMS: Processing and Properties. Kresge/Student Ctr. Sala. Sponsor: Materials Processing Center.

8:00 p.m. – **UA Cabinet Meeting.** Discuss the Institute's important issues and make effective change. W20-400. Sponsor: Undergraduate Association.

12:00 p.m. — **Financing Higher Education** — Stanley G. Hudson, Office of the Dean of Students and Undergraduate Education. Sponsored by Family Resource Center. Rm 16-151. More info: Call Family Resource Center at 253-1592. frc@mit.edu, <http://web.mit.edu/personnel/www/frc/>.

3:30 p.m. — **Thorium Fuel Cycle for LWR's of Current Technology: A Heterogeneous Fuel Assembly Design** — Joint seminar: Prof. Alex Galperin and Dr. Michael Todosow, Ben Gurion University, Israel; Brookhaven National Lab. Department of Nuclear Engineering/American Nuclear Society Seminars. Rm NW14-1112. Refreshments in Room NW14-1112 at 3:00 pm. More info: Call Elizabeth Parmelee at 253-3801. Contact: parmelee@mit.edu.

4:15 p.m. — **QCD, Strings and Black Holes: The Large N limit of field theories and gravity** — Professor Juan Maldacena, Department of Physics, Harvard University. Sponsored by Applied Mathematics Colloquium with Department of Mathematics. Rm 2-105. Refreshments will be served at 3:45 PM in Room 2-349. More info: Call Michael Brenner at 253-3661. Contact: brenner@math.mit.edu, <http://www-math.mit.edu/amc/fall99>.

Tuesday's Events

7:30 - 9:00 p.m. – **Chi Alpha Campus Meeting.** Chi Alpha Christian Fellowship will be sponsoring a series on the book of Revelation at our weekly meeting. There will be time for worship and fellowship as we study the Bible. PDR 3, Student Center. Sponsor: Chi Alpha Christian Fellowship.

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Watson Advocates Eugenics, Screening

By Aurora Schmidt
STAFF REPORTER

Dr. James D. Watson, co-discoverer of DNA structure, addressed a packed lecture hall at the Harvard Science Center Thursday. Watson's lecture was the first in a series to celebrate the newly planned Center For Genomics Research at Harvard University.

"I didn't anticipate such a crowd, but it's wonderful to see so many people who like DNA," Watson said after taking the podium.

At times eccentric, always unrestrained, and never politically correct, Watson commented on everything from his opinions on the ethics of genetic screening to the sheer luck that befell him and Francis Crick in being the first to discover the structure of the blueprint of life.

Watson, a huge proponent of the Human Genome Project and a key figure in getting funding for the project from Congress, recounted the struggle to get support for sequencing the human genome which he undertook with others in 1986. Watson did not fail to criticize Harvard for not having supported sequencing early on.

The project "was too dull to be done by Harvard people which is probably why it wasn't, but it needed to be done by bright people," he

said.

Watson also discussed an ethics committee he helped to organize to discuss the implications of sequencing human genes. He insisted that a woman head this project because, "Women like babies and men essentially want to avoid them," he said.

Genetic knowledge underused

Watson said that fear and ignorance in society at large prevents many beneficial uses of current genetic knowledge. For instance, Watson staunchly supports the screening of all women for the Fragile X chromosome, which causes severe mental retardation in males who receive it from their mothers. He even made a call for Harvard to begin screening all females students, faculty, and staff for this dangerous mutation of genes which one out of every 273 women carry. He said, "If any good comes out of this lecture, Harvard will screen its women."

Watson further questioned why more isn't done to make the public aware of the discoveries concerning public health and genetics. He concluded that, "Human geneticists make so much money they've forgotten about the public."

He also criticized organizations such as The National Foundation for Infant Paralysis — intended to stop

the debilitation of young by birth defects — for not donating money that would result in the termination of pregnancies.

Watson continued by expressing his support of eugenics — the science that deals with the improvement of hereditary qualities of the human race — in that it is the science of having better children.

However, he tempered his support by acknowledging the negative consequences of state efforts in support of eugenics including massive sterilizations at mental institutions in the United States and Sweden and the excesses of the German eugenics programs. He also supported privacy for personal genetic information.

When it came to the politics of genetic research he dismissed politics as unimportant. Watson said he is not in support of any legal measures to protect people from the results of genetic information saying that the undertaking would be too messy. His advice was to "keep politics out of it and always try to improve the quality of human life."

Audience reacts to speech

There was a wide range of reactions to Watson's very charged political views among audience members. One offended Harvard

student remarked, "This can't be what I came to see."

Another Harvard undergraduate, Micheal Moss, enthusiastically commented, "He is so unapologetic. He just lets it go. It's great."

Watson's lecture also fostered some heated discussions among audience members.

Watson describes himself as 'lucky'

Early in the lecture, Watson also discussed the early quest to elucidate DNA structure.

He said he felt lucky that Linus Pauling, winner of the Nobel Prize for Chemistry and for Peace, hadn't discovered it first.

He asserted that all the evidence was out there and was merely waiting for a scientist to combine it all and make the proposal as to the structure.

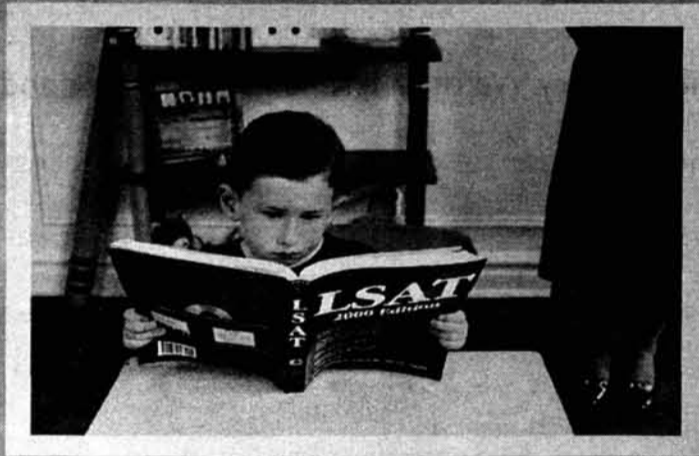
"We were incompetent," he said, all the facts in the literature were "staring at us".

Relating genetic expression to a play in which proteins were the actors and DNA the book dictating the action of the players, Watson took another jab at chemists saying they "were too concerned with the actors while we wanted the book."

Watson also recounted the original negative reactions to his findings. "People were just fighting the obvious."

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Candidates Discuss Housing, Development at Forum.

By Naveen Sunkavally
NEWS EDITOR

As the Nov. 2 election date approaches, some of the biggest issues getting play in Cambridge politics this year are affordable housing, overdevelopment, and open spaces. Wednesday night, candidates for Cambridge City Council aired their views on these issues at a citywide development forum at the Cambridge Senior Center.

Candidates fielded questions about several issues including their perspectives on the Interim Planning Overlay Petition — a temporary measure that requires the City

Planning Board to review large projects for impact on the community; an East Cambridge moratorium on all development in that region; and the balance of power between the City Manager, City Council, developers, and neighborhood coalitions.

MIT-Cambridge relations discussed

In his speech, council candidate and MIT student Erik Snowberg '99 spoke about the need to bridge student-community relations in Cambridge.

"On one side of the fence, there's students, and on other side is

the community," Snowberg said, and "they're often pointing fingers at each other."

He said that students generally support the community. He brought up the Residence System Steering Committee report, saying that if it were implemented students could be forced out of campus housing and into the community, adding further pressure to the housing market. According to Snowberg, Cambridge needs a councillor who will tell MIT that "you can't do this."

In East Cambridge, an area at the center of development pressures, Snowberg said the solution would

be "downzoning, downzoning, downzoning."

Zoning refers to the process of regulating the type of development and the density of development that can occur in different areas. Downzoning refers to the process of making re-zoning an area for residential development or open space rather than industrial and commercial development.

Councillors criticize universities

Many councillors at the forum expressed the idea that MIT and Harvard have several councillors in their back pockets, and that the council is unresponsive to the needs of voters.

David A. Hoicka '77 said that current MIT planning provides for "zero units of affordable housing" but constructs "luxury apartments." He spoke of "cultural and economic cleansing" and the need for rent control and downsizing.

Candidate Jim Braude said that Harvard makes \$2.87 million a day from its endowment, and said that Harvard University President Neil H. Rudenstine and other universities in the area should give back to the community.

Incumbent Ken Reeves urged voters to send a majority of candidates to the council who would represent their interests rather than MIT's or Harvard's.

Senior lecturer at MIT Jordan

Kirsch, who was among the audience at the forum, said, "The Cambridge I live in now is not the same Cambridge I moved into 30 years ago." He said he supports control of development, and, while a loyal employee of MIT, feels that MIT has created some problems for the community.

Galluccio defends his actions

Anthony Galluccio, a fourth term councillor seeking re-election, defended his attempt to tack onto a recent bill an amendment for a 50,000 square foot superstore in Area 4, a region in Cambridge known for its predominantly minority population, high crime rates, and impoverishment. He said that this superstore would have given people in Area 4 without bicycles and cars easy access to a store, much like Star Market.

During Galluccio's speech, members of the audience hissed, and one woman was told to be quiet by the panel.

Shortly after Galluccio's speech, a woman from Area 4 rose up to voice her dissatisfaction with Cambridge politics in general.

"There are only five colored people in this room. Do you wonder why people of color never show up to vote?" the woman said. "Everybody needs to wake up and vote right."

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Athena Minicourses Fall Term 1999

	Mon	Tue	Wed	Thu
12 noon	13 Sep	Matlab	14 Sep	Matlab
7 p.m.		MSO		MSO
8 p.m.		Matlab		Matlab
12 noon	20 Sep	Info Res	21 Sep	HTML
7 p.m.		Info Res		Info Res
8 p.m.		HTML		HTML
12 noon	27 Sep	First Course	28 Sep	Working
7 p.m.		First Course		First Course
8 p.m.		Working		Working
12 noon	4 Oct	Frame	5 Oct	Frame/This
7 p.m.		Frame		Frame This
8 p.m.		Latex		Latex This
12 noon	11 Oct	Holiday	12 Oct	First Course
7 p.m.		Columb's Day		First Course
8 p.m.		No Classes		Working
12 noon	18 Oct	Dotfiles	19 Oct	Ser Emaes
7 p.m.		Dotfiles		Dotfiles
8 p.m.		Serious Emaes		Serious Emaes
			15 Sep	Maple
				Maple
				Xess
			22 Sep	Ser Emaes
				Serious Emaes
				Dotfiles
			29 Sep	WPO
				WPO
				EZ
			6 Oct	Latex
				Frame This
				Latex This
			13 Oct	Working
				First Course
				Working
			20 Oct	HTML
				HTML
				Matlab

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CHRIS MCENIRY

As a part of the authors@mit series, Helen Elaine Lee discusses her new book, *Water Marked*, with a crowd of about 40 people in Hayden Library on Tuesday.

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Sex@mit.edu – Tips for a Safe and Enjoyable Sex Life.

By Cristina Roussel
STAFF REPORTER

The key to having safer sex — if you choose to engage in sex — is to inform yourself. Here are some helpful facts to help you have safer sex:

1. Dental dams can be used for safer cunnilingus (oral sex with vagina) and anilingus (oral sex with anus). They can be bought at pharmacies. Saran Wrap can be used instead, as well as a condom cut down the side.

There are many ways to prevent the transmission of sexually-transmitted diseases (STDs) and many different forms of birth control.

2. Nonoxynol-9 is a spermicide that can be used with a condom to increase its birth control effectiveness. MIT-provided condoms are not coated with nonoxynol-9.

3. The correct way to use a condom: Check the expiration date

(those things can be in guys wallets for years before they actually use them). Open the package slowly (preferably not using your teeth) and look for damage (i.e. tears/holes). Press the air out of the reservoir tip and unroll over the penis all the way to the base. Failure to take the air out can cause rupture due to excessive pressure on the tip. Condoms are 99 percent effective if they are used correctly.

MIT provides condoms for students — they are available in all dormitories, the MIT Medical Center, and MedSTOP. MedSTOP is a self-service section located on the 5th floor of the student center which has condoms as well as informative pamphlets on STDs and AIDS.

Only latex condoms are effective in preventing HIV transmission. Polyurethane and animal skin condoms are not. Water-based lubricants applied to the condom and inside of the vagina (or rectum) can help prevent a condom from breaking.

5. If the guy refuses to wear a condom women have a lot of options. There are female condoms, which are available without a prescription. They are made of polyurethane and can be used for those who have latex allergies. They cost about \$12 for three and they are for one time use.

Diaphragms must be prescribed by a doctor and used with spermicide gel. They are 85 percent effective. A smaller device, called a cervical cap can be left in longer and provides the same protection.

Intrauterine devices (IUDs) are another form of birth control, but they do not protect against STDs. IUDs are medically inserted and effective for several years. However, this form of birth control is not recommended for young women because they can cause infection, which can lead to infertility.

Depo-provera is a hormone shot given every three months that prevent pregnancy by inhibiting ovulation. It is 99.7 percent effective. Side effects include weight gain, osteoporosis, hair loss, and the appearance of male features (i.e. facial hair growth)

6. Drink responsibly: In a Fenway Community health study, gay males were tested every six months for AIDs and STDs. The ones who had contracted diseases had been ones that had made unwise decisions after having alcohol.

7. If you have unprotected sex and are worried about becoming pregnant, post-coital contraception can be used. Also known as the "morning after" pill, this is 75 percent effective if taken within the first day after sexual intercourse. They are available at urgent care of the medical department. Side effects include nausea and bleeding between menstruation periods. This form of birth control should be a last resort.

8. If you are not sure if you or

your partner have AIDs or an STD, get tested. MIT Medical provides testing for STDs and AIDs, as well as counseling. It is better to be safe than sorry.

This information was provided by Laureen Gray and Howard Heller. Heller and Gray run "Safer-Sex Jeopardy" in which they use the format of the game show jeopardy to test participants' knowledge and facilitate discussion about safe-sex issues. Gray is the director of nursing at MIT medical.

Heller is an internist at MIT medical. She previously worked in the STD clinic at Massachusetts General Hospital. Heller points out that many times people who have contracted an STD have a tougher time dealing psychologically with the problem than with the physical problems.

"Everyone has HIV on the brain, but the incidence of HIV is relatively low among your age group," Heller said.

The most common STD on campus and in the nation is the *Papillomavirus*. This STD is transmitted through skin to skin contact. It can cause warts, as well as lead to cervical and anal cancer, depending on the strain.

This STD is easily treated, however there is no practical way to know if you are infected and thus the disease is so easily transmitted. Many people give it to their partners without even knowing they have it.

Herpes is the second most common STD and Chlamydia is the third most common. In women, Chlamydia can cause pelvic inflammatory disease and infertility. Eighty percent of women infected don't have symptoms. All women should have annual pap smears to check for STDs and other non-sex related diseases.

Fact: A person infected with HIV for less than 3 months will test negative. The only 100 percent effective and reversible method of birth control and protection from the transmission of STDs is abstinence. Not everyone is having sex and sex is not right for everyone. Make sure to communicate to your partner your boundaries.

If you are raped, or feel as if you have been raped, you should report it to the campus police and go to MIT medical as soon as possible. They can make help prevent pregnancy, test for STDs and AIDS, and offer counseling and support.

Goal is Education Not Advocacy of Drug Use

DAMIT, from Page 1

on street lore."

The recent death of Richard Guy '99 provided the immediate impetus for the publication. The author described MIT's attitude towards the Guy death as "punitive."

MIT did not seem concerned with the fact that a student died, he said, but concentrated on asking "where else can we put the blame?"

"When something is prohibited, it is driven underground rather than genuinely stopped. Declaring its intent to crack down on drug use... the MIT administration has unequivocally and directly put students in a position of greater danger," the author of DAMIT said in a press release received by *The Tech*. "The possibility of students suffering real harm or even death is greater than ever before" says the pamphlet. "People need to know how to be safe if they choose to use recreational drugs, and people need to not fear legal repercussions if they're saving the life of someone in danger."

Education vs. encouragement

While the pamphlet strives to educate it could be read as portraying drugs as "perhaps safe, perhaps worth trying," its author said.

The pamphlet is "designed for the person who has chosen to use drugs, and who is looking for genuinely useful information on how to minimize his or her risk when doing so," the authors said in the release.

DAMIT does not advocate or condemn drug use but "encourages [students] to think about what is the right thing" for them "rather than dismissing it (drug use) out of hand," he said.

"It would be terribly inappropriate to to just come out and say, 'ecstasy is great! you should try it!' — that kind of pressure is unacceptable," the author said in a release.

Heroin use discouraged

The pamphlet admits a bias

against certain drugs. For instance, it advises readers to "avoid heroin at all costs" but says "we don't want to sound preachy." It also discourages alcohol use.

The pamphlet "certainly does discourage the use of some drugs, like heroin... I took the route of trying to say [in the pamphlet] that there are some recreational drugs that are quite safe and that produce truly mind-blowing experiences... But you need to consider all the ramifications first and decide for yourself," the author said in a release.

"From a medical perspective, those are dangerous drugs," he said.

Positive response to the pamphlet

Several people have contacted the pamphlet's author via email drugsatmit@hotmail.com, saying "they are very happy that [the pamphlet] was finally written, and needed to be written."

"I do not think there has been any encouragement or discouragement from any organized entities" perhaps due to the fear of drawing "too much political and legal attention."

While the author said that he agrees with some of the views of drug advocacy groups such as the National Organization for the Repeal of Marijuana Laws, he is not an active member of any group.

He also said that he knew Rene Ruiz '99 and Susan Mosher '99 and felt that it is a "shame that they are being prosecuted" but did not release DAMIT with the intent of affecting their pending case.

The pamphlet is the work of a single author who "received comments from a couple of other people regarding content and formatting." The pamphlet was xeroxed and distributed with the help of "eight people" who were "actively involved in the project."

Information for the project was obtained from the world wide web and several books listed in DAMIT.

Frank Dabek contributed to the reporting of this article.



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Domecoming Ball To Be Held in Walker Memorial

Domecoming, from Page 1

door movie will still be shown on the soccer field.

For Saturday, the main event is the football game at noon. During halftime, the pompon squad, cheer-leading squad, and the marching band will perform.

After the game, there will be a free barbecue for MIT students at the Johnson pits. The Domecoming Ball will cap off the weekend. The dance will be held at Walker Memorial from 10 p.m. to 1 a.m.. The dress is semi-formal and the music will be provided by the Dance Mix Coalition. "The dance is not just for couples but for everybody," Gupta said.

The cost of Domecoming totalled approximately \$11,000. Most of the funding came the \$50,000 Large Event Fund.

In previous years, Greek Week, Fall Festival, and Alumni Weekend were the big events of the fall term and obviated the need for a large-

scale homecoming celebration. This year with the collaboration of Interfraternity Council, the Campus Activities Complex Program Board, and Dormcon, all those events were compressed into this year's homecoming.

"In previous years, the Greek Week Ball was the big event of the fall term. Now everything is compressed to unite all the living groups of MIT," said Jeffrey D. Stampler '00, coordinator of the homecoming ball.

Rita H. Lin '00, another homecoming organizer, said "This new homecoming will balance both spring and fall term."

Organizers hope to create tradition

Since most Domecoming organizers are from the Class of 2000, this leaves the question whether the tradition will continue into future years. However, organizers remain hopeful.

"We want to have this event as a basis for future years," Gupta said.

Domecoming Schedule

October 1-2, 1999

FRIDAY

Alley Rally

Time: 8:00 - 10:30 p.m.
Location: Amherst Alley
What: Free food, music, dance

Pep Rally

Time: 8:30 p.m.
Location: Amherst Alley
What: Come meet the sports teams

Outdoor Movie

Time: 10:30 p.m.
Location: Amherst Alley
What: Free outdoor movie

SATURDAY

Homecoming Game

Time: Noon
Location: Football field
What: MIT v. Curry College

BBQ and Tailgating

Time: 2:30 p.m.
Location: Johnson BBQ Pits
What: Free food and music

Homecoming Ball

Time: 10:00 p.m.
Location: Walker Memorial
What: Semi-formal ball

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Tim Berners-Lee

speaking on his book

Weaving the Web

Tuesday, October 5, 7 p.m.
MIT 34-101, 50 Vassar Street, Cambridge

Tim Berners-Lee is the most qualified person on the planet to chronicle the Web. With the introspection and concern only a parent can truly express, he reaches beyond the common soundbytes of our industry to define how the Web is dramatically impacting the very course of humanity. — Jeff Papows, President and CEO, Lotus Development Corp.

Only one individual has the authority and unique perspective to document the creation and evolution of the World Wide Web. Tim Berners-Lee recounts with indisputable clarity and candor how it all really happened: the politics involved in bringing his model to life at the CERN physics lab, the infamous browser wars, the integration of Java technology, the creation of W3C and more. — Alan Baratz, Ph.D., President, Java Software, Sun Microsystems, Inc.

Tim Berners-Lee, the inventor of the World Wide Web, has been hailed by *Time* magazine as one of the 100 greatest minds of this century. His creation has already changed the way people do business, entertain themselves, exchange ideas, and socialize with one another. With new online businesses and communities forming every day, the full impact of Berners-Lee's grand scheme has yet to be fully known.

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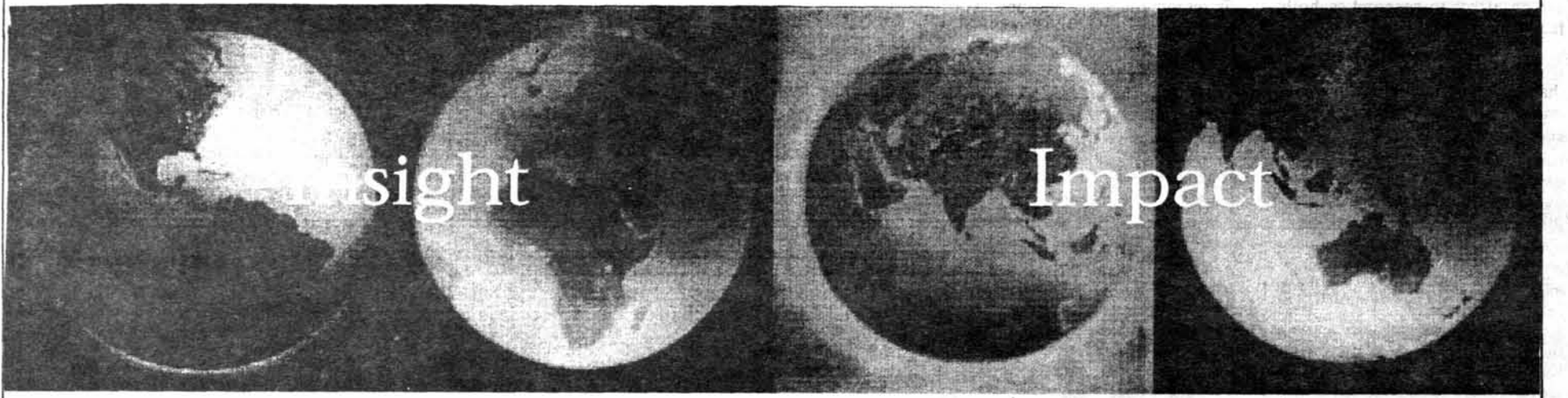
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Tuesday, October 5
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Police Log

The following incidents were reported to the MIT Campus Police between Aug. 31 - Sept. 12. Information is compiled from the Campus Police's weekly crime summary and from dispatcher logs. This report does not include alarms, general service calls, or incidents not reported to the dispatcher.

Aug. 31: Sigma Phi Epsilon, Boston, assist Boston Police with the arrest of two subjects for attempted larceny of bike; Bldg. NE20, keys stolen; 77 Mass. Ave., frat problem; East Campus, report of a death; Student Ctr., unwanted person at BankBoston booth; several locations across campus, theft of 5,000 copies of *The Tech*; Amherst Alley, minor motor vehicle accident involving a Facilities vehicle; Charles Gate East, Boston, SafeRide involved in minor motor vehicle accident; East Campus, assist Cambridge Police with students bothering the media; Beta Theta Pi, noise complaint.

Sept. 1: Bldg. 66, suspicious activity; Phi Beta Epsilon, cordless phone stolen and backpack stolen, \$ 240; Theta Xi, Boston, complaint of frisbee playing and ensuing verbal confrontation; Lambda Chi Alpha, noise complaint; East Campus, report of media bothering students; McCormick, suspicious activity; Mass. Ave. at Albany, suspicious activity.

Sept. 2: Alpha Phi, Boston, noise complaint; Boat House, suspicious activity; Memorial Dr. car vandalized; Bldg. 4, waist pack containing wallet, cash and credit cards stolen \$50; Alpha Tau Omega, suspicious activity; East Campus, suspicious activity; Bldg. W31, suspicious person, issued trespass warning; Mass. Ave. at Memorial Dr. assist State Police with bicyclist struck by vehicle.

Sept. 3: Sigma Nu, Boston, suspicious activity; Student Center, two suspicious persons, trespass warning issued; Bldg. 3, computer screen stolen \$800; Bldg. 5, Anthony Jones of 101 Charlane Court, Roxbury, MA arrested on outstanding warrant; Student House, Boston; bike stolen \$160; East Campus, student problem; Bldg. 18, fax machine stolen \$680; Bldg. E51, on two separate occasions, report of suspicious persons, same checked out okay; rear of NW30, three suspicious persons, issued trespass warnings; Bldg. E19, assist Cambridge Police with 911 hang up call, no cause found; MIT officers responded to a call from Cambridge Police regarding a vehicle leaving the scene in which gunshots were fired. MIT officers spotted the vehicle at 33 Mass. Ave. MIT Officers apprehended Mark Johnson, 380 Somerville Ave, Somerville, MA Anthonio Montiero, 10 Wendell Street, Cambridge, MA, and Osvaldo Dacosta, 3 Walden Sq #113, Cambridge, MA, and placed them under arrest.

Sept. 4: Ashdown, intoxicated student transported to Cambridge Police and placed in protective custody; DuPont gym lobby, 1) \$15 cash stolen from wallet; 2) \$10 cash stolen from wallet; 3) \$485 cash and \$28 check stolen from wallet; 4) \$80 cash stolen from wallet; 5) \$31 cash stolen from wallet; 6) \$4 cash stolen from wallet; McCormick, \$50 cash stolen from wallet; Bldg. W13, suspicious person, checked out okay; Phi Beta Epsilon, suspicious person, had left area prior to CPs arrival; Bldg. 14, report of squirrel stuck inside building, same escaped without CP's assistance.

Sept. 5: Assist Cambridge Police with report of suspicious person on Franklin St., same

left area prior to police arrival; Vassar St. and Main St. report of intoxicated person, taxi notified for transportation; Ashdown, emergency telephone hang up, area checked okay; Delta Kappa Epsilon, fraternity problem; Student Center, assault between persons known to each other; Westgate, juvenile playing with emergency telephone; Bldg. E52, suspicious activity; Bldg. 2, suspicious activity.

Sept. 6: East Campus, 1) small fire in trash, extinguished by sprinkler system; 2) suit case stolen, later recovered; McCormick past larceny of stereo, \$300; Bldg. 18, laptop computer stolen, \$3,000; New House, bike stolen from inside building, \$99; Bldg. 54, report of suspicious activity; Steinbrenner stadium, complaint of frisbee playing; Bldg. NW10, check of two suspicious individuals; Bldg. NW61, report of homeless person, gone upon CP's arrival.

Sept. 7: Assist State Police with vehicle accident at Mass. and Memorial; Beta Theta Pi, Boston, stereo system stolen, \$520; Bldg. E19, safe stolen, unknown value; East Campus, discarded tank found; Astro turf, graffiti; Steinbrenner Stadium, wallet stolen \$10 cash plus credit cards; Bldg. E15, suspicious activity.

Sept. 8: Bldg. E19, suspicious activity; Bldg. 16, laptop and computer stolen \$3,930; Bldg. E25, suspicious activity; Student Center coffeehouse, backpack stolen, unknown value; Bldg. 14, speakers stolen, unknown value; Bldg. 68, pocketbook stolen containing \$20 cash and credit cards; Bldg. 10, bag stolen containing cash, credit cards and jewelry, unknown value; Sigma Phi Epsilon, Boston, complaint of trash from dumpster; Briggs Field, three persons had money stolen from wallets totaling \$215; Amherst St. by Ashdown, report of domestic dispute; Nu Delta, Boston, laptop and bag stolen, \$2,700.

Sept. 9: Bldg. E19, food stolen \$100; Bldg. 10, male taken into custody on an outstanding warrant; Bldg. E25, suspicious person, identified and issued a trespass warning; Amherst St. by W11, bike stolen, unknown value; Bldg. 4, Athena chairs stolen \$1,260; Sigma Alpha Epsilon, Boston, assist Boston Police; Bldg. E38, bike stolen \$1,000; 77 Mass. Ave., student problem; Bldg. 35, safety hazard in dumpster, same removed; Phi Lambda Phi, bike stolen \$350; Amherst St. and Mass. Ave., three underage students issued alcohol citations for possession of alcohol; Ames St. Suspicious person, issued trespass warning.

Sept. 10: Next House, storage area broken into, tools stolen \$2,260; Senior House, cash and passport stolen \$15; Bldg. 14, office broken into and computer disc stolen \$30; Ford lot, hit and run damage to vehicle; Student Center, 1) passport stolen, 2) employee problem at Technicuts, threatening phone call by former employee; DuPont, wallet stolen from fencing room, \$27; East Campus, fire between buildings, same extinguished self.

Sept. 11: Bldg. 2, report of chairs being stolen; DuPont gym, wallet stolen \$80 cash and credit cards; East Campus, annoying phone calls; Hampshire St., assist Cambridge Police with a domestic situation; Bldg. 8, suspicious activity, checked out okay; Mass. and Memorial Dr. assist State Police with pedestrian struck; Student Center, check on suspicious vehicle, trespass warning issued.

Sept. 12: DuPont, check and inquiry on person; Bldg. 7, report of suspicious person; DuPont report of suspicious person, Jason J. Reed, homeless, arrested for trespass.

Title IX, Funding Constraints Lead to Limitations

Cutbacks, from Page 1

"Lots of costs are associated with squad size and travel size, including the cost of purchasing uniforms, washing grays, and staffing sports medicine," Hill said. "However, constraints with numbers are an effort to respond to both financial and gender equity issues."

Title IX, signed into law in 1972, is intended to prohibit institutions that receive federal funding from practicing gender discrimination in educational programs or activities.

Since few JV women's teams at MIT existed prior to the cuts, an overwhelming majority of the JV programs that were cut were from men's teams. According to Hill, the restrictions on team sizes cut back on men's teams more than women's teams.

For college sports programs there is a tripartite test to judge Title IX compliance — programs must comply with one of the tests.

An institution may provide "substantial proportionality" by creating opportunities for women to participate that are proportional to their enrollment. Programs which have a "history and continuing practice of program expansion that is responsive to the developing interests and abilities of the underrepresented sex" are also in compliance according to "Title IX:25 years of progress," a joint report by the U.S. Department of Education and the Office for Civil Rights.

Finally, Title IX "is satisfied when an institution is meeting the interests and abilities of its female students even where there are disproportionately fewer females than males participating in sports," according to the report.

MIT is acting in compliance with Part I of the test.

Hill said that according to Athletic Department statistics the population of athletes on varsity

teams after newly placed restrictions is 58.9 percent male and 41.1 percent female. The population of athletes on varsity travel squads is 58.4 percent male and 41.6 percent female. MIT's 1998 undergraduate population was 59.4 percent male and 40.6 percent female.

In response to a poster campaign alleging that the MIT Athletic Department was failing in its own stated mission, Hill said, "Reduction in varsity team size does not mean a shift in philosophy and is in no way a lack of effort to fulfill [the Athletic Department's] mission."

"We as a department acted in an effort to make sure expenditure in varsity doesn't cut into club sports, Physical Education, and other components of athletics at MIT," Assistant Athletic Director John Benedick said.

"Numbers were determined by considering the number of varsity athletes needed to compete in a game and to run a practice," Benedick said.

Some teams were affected more than others by new restrictions, due simply to preexisting team size relative to the cap imposed by the department. According to Benedick, the relative per capita cost for athletes on different teams was not considered.

Athletes displeased with changes

Cross Country runner Chris S. McGuire '00 said that the changes forced the team to reduce their numbers from 24 to 12 runners. McGuire said that the change had effected the team negatively — "morale sucks."

Team mate Edward A. Keehr '01 said that the cuts "hurt even more because we are one of the most successful teams" at MIT. The team is ranked 15th nationally he said.

Fencing captain Dianne K. Allen '01 said that the fencing team was required to reduce their numbers

below 40 and to eliminate junior varsity teams.

Allen said that as a result of a requirement that the team only transport 24 members to an away meet, the team can only field one alternate member per squad. "Very few fresh-

men are going to get experience" as a result of the changes, she said. In addition the team "doesn't have criteria for cutting members."

She placed responsibility for the problem on the MIT administration which "hasn't paid enough attention

to the Athletic Department."

None of the athletes contacted had been told that the changes were in part the result of Title IX regulations.

Frank Dabek contributed to the reporting of this article.



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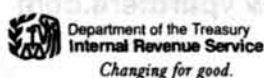
Presentation and Reception
Tuesday, 5 October 1999
6:00-8:00 pm
The Inn at Harvard, 1201 Mass Ave

For additional information contact Jay Goldman (Harvard PhD '94, jgoldman@sdg.com), Mary Linton Peters (MIT '92 mlpeters@sdg.com) or our recruiting coordinator Kim McDonald (617-478-7600 kmcdonald@sdg.com)

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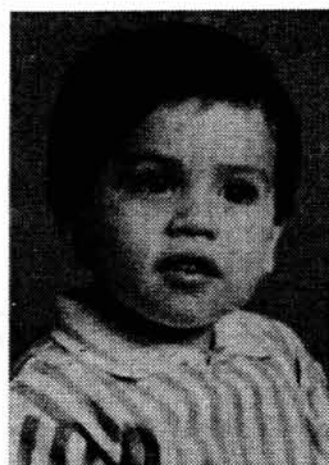
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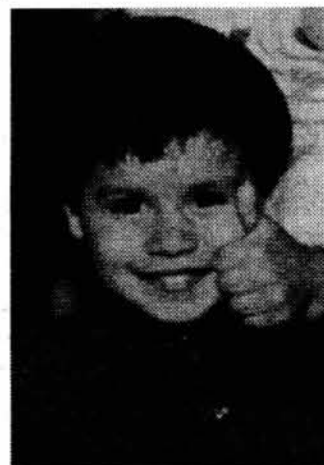
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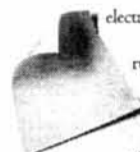
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electricity is being used to run computers that are left on. Look at how much water is being wasted in the restrooms. And

how much solid waste is being thrown out in the trash cans. We bet it's a lot. Now, here are some simple ways you can produce less waste at work. When you're at the copier, only make the copies you need. Use both sides of the paper when writing a memo. Turn off your light when you leave. Use a lower watt bulb in your lamps. Drink your coffee or tea out of mugs instead of throwaway cups.

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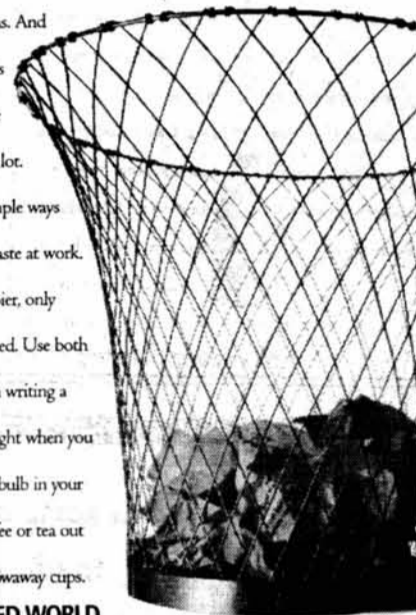
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You're probably saying

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Multiply that by the number of homes in the world, and that's a lot of natural resources going down the drain.

Now, we're not saying you should stop taking showers or brushing your teeth. We're just suggesting some simple bathroom training. For instance, when you're brushing your teeth, turn off the water.

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you're shaving.

And just because

your shower

sounds like

an opera

hall, don't

feel the need

to sing one.

Shorter songs make

for shorter showers. And for

the biggest culprit of them

all, the toilet, try putting a

weighted jug in the tank. It will

help save water every time you

flush. Plus, don't forget to

turn out the lights when

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to conserve electricity.

Save up to 15% more water by installing a weighted jug in your toilet tank.

And oh yeah,

if you don't

think you'll

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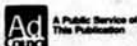
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ATHENA® MINICOURSE INDEX

Athena: First Course (1st Course)
Our new introduction to the Athena academic computing environment: what you can do on Athena, your account, finding help, and other basics. Also includes E-mail, Zephyr, WebSIS, and Residential Computing.
Suggested pre-requisites: None

Working on Athena: Files and Unix (Working)
Files, directories, setting permissions, job control, and more. What every new user should know about Unix, Athena's operating system.
Suggested pre-requisites: 1st Course

Word Processing Options: (WPO)
A survey of the text-editing and word-processing packages available on Athena: FrameMaker, Latex, EZ, Emacs. Pick the right tool for the right job.
Suggested pre-requisites: 1st Course, Working

Advanced Word Processing: EZ (EZ)
An introduction to EZ, a combination text editor and formatter, with text-editing commands that are similar to Emacs. As a formatter, it is menu-driven and easy to learn. In the popular style of the "What You See Is (pretty much) What You Get" packages.
Suggested pre-requisites: 1st Course, Working

Advanced Word Processing: Latex (Latex)
An introduction to Latex, a widely-used text formatter, used for converting a text file into an attractive, professional-looking document. It is a powerful and flexible program, with the capability to typeset many foreign characters and very complex mathematical text.
Suggested pre-requisites: 1st Course, Working

Advanced Word Processing: FrameMaker (Frame)
FrameMaker is a powerful word-processing and document-preparation package now available on Athena.
Suggested pre-requisites: 1st Course, Working

Latex for your Thesis (Latex Th)
Using the Latex text formatter to produce a fully-featured thesis that meets all MIT format requirements.
Suggested pre-requisites: Latex, some Latex experience

FrameMaker for your Thesis (Frame Th)
FrameMaker, with a special template, can be used to produce an MIT thesis that meets all Institute formatting requirements.
Suggested pre-requisites: Frame, some FrameMaker experience

HTML: Making a WWW Home Page (HTML)
Covers the basic features of HTML ("Hyper-Text Mark-up Language") the language of the World-Wide Web, as well as the steps needed to post your own Web page on Athena.
Suggested pre-requisites: 1st Course, Working

Information Resources on Athena (Info Res)
A survey of the communications, help, and other resources available on Athena.
Suggested pre-requisites: 1st Course, Working

Serious Emacs (Ser. Emacs)
The text editor introduced in First Course has many useful features not covered in that course. This course is a must for anyone who uses Emacs more than an hour or two each week.
Suggested pre-requisites: 1st Course, Working, Emacs tutorial (on-line), some Emacs experience

Customization on Athena (Dotfiles)
Intended for the intermediate-level Athena user, this course will discuss the Athena login sequence and the user-configuration files (dotfiles) that affect it, as well as changes the user can make to those and other files to customize their working environment.
Suggested pre-requisites: 1st Course, Working, some Athena experience

Math Software Overview (MSO)
A survey of major mathematics and graphing packages available on Athena.
Suggested pre-requisites: 1st Course, Working

Matlab (Matlab)
An interactive program for scientific and engineering numeric calculation. Applications include: matrix manipulation, digital signal processing, and 3-dimensional graphics.
Suggested pre-requisites: 1st Course, Working

Xees (Xees)
A powerful and easy-to-learn spreadsheet, with a full range of mathematical, statistical, matrix, and string functions. It will be useful for scientific and engineering computations, as well as to general and financial users.
Suggested pre-requisites: 1st Course, Working

Maple (Maple)
A mathematics program that can perform numerical and symbolic calculations, including formal and numerical integration, solving algebraic or transcendental systems and differential equations, and series expansion and matrix manipulation. It also has extensive graphics capabilities.
Suggested pre-requisites: 1st Course, Working (for other X Windows) experience



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Max Cannon

I shaved all my hair off 'cause my girlfriend keeps sayin' bald-headed guys are sexy.



Sure enough, when I walked down to the bus stop today, I noticed a whole bunch of ladies were starin' and pointin' at me.



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Just to be scientific, though...I'm gonna go try it out again with my clothes on.



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The Soul of Mbira

The lilting, multilayered sound of Zimbabwe's mbira (thumb piano) has been used by spirit mediums for more than 500 years and is still an important part of the spiritual life in Zimbabwean communities today. Mbira music is played in ceremonies to call upon ancestors, as an important repository of history, proverbs, and songs, and also for entertainment. This concert showcases three distinct genres of mbira music, each accompanied by different styles of song and dance, and on instruments such as drums, hosho (gourd rattles), musical bows, and antelope trumpet. Ethnomusicologist Paul Berliner will conduct a pre-performance discussion.

Friday October 22
Somerville Theater/Davis Square
Pre-performance discussion at 6:00pm
Performance at 8:00pm

DAVID SEDARIS

Sedaris found an audience after being asked to read his "The SantaLand Diaries" on NPR a few years back, describing his stint working as a Santa's elf for Macy's department store. Sedaris has the kind of conspiratorial voice that makes you think you're getting the scoop over the phone from your best friend. It's that voice--and delivery--that puts Sedaris in the top tier of "must-see" authors who cruise into town." (From the November 5-11, 1998 issue of Metro Santa Cruz.)

Saturday October 16
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8:00pm

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Is Multiculturalism Bad for Women?

a panel discussion with

Susan Okin,
Martha Nussbaum,
Abdullahi An-Na'im,
Homi Bhabha &
Leila Ahmed

moderated by

Joshua Cohen

Wednesday, Oct. 6, 4:30 pm

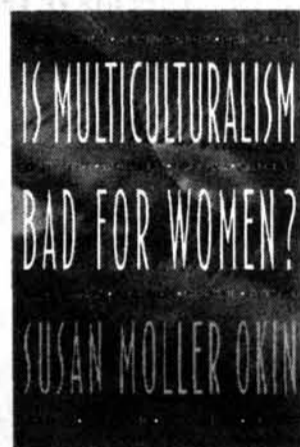
MIT Wong Auditorium, corner of Amherst & Wadsworth Sts.
near Kendall Square T, Cambridge

Polygamy, forced marriage, female genital mutilation, punishing women for being raped, differential access for men and women to health care and education, unequal rights of ownership, conditions are standard in some parts of the world. Do demands for multiculturalism—and certain minority group rights in particular—make them more likely to continue and to spread to liberal democracies? Are there fundamental conflicts between our commitment to gender equity and our increasing desire to respect the customs of minority cultures or religions? In this book, the eminent feminist Susan Moller Okin and fifteen of the world's leading thinkers about feminism and multiculturalism explore these unsettling questions in a provocative, passionate, and illuminating debate.

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Baseball Takes Two

By Ethan T. Goetz
TEAM MEMBER

It was another weekend of comebacks for the MIT varsity baseball team, as the Engineers won two of three games in the MIT hosted Fall Classic.

On Saturday morning, the Engineers were greeted with a cold constant drizzle, but by game time the sun was out and UMass-Boston was ready to play. Brian Furgala '02 took the hill for the Engineers and UMass tried to rattle him early. With a few hits and poor MIT defense, UMass got on the board first and threatened for a big inning. But two runners were thrown out at the plate on double steal attempts, in large part due to the great plate-blocking ability of Timothy J. Gilmartin '01.

The score stood at 2-0 UMass in the third when it looked like MIT would cut the lead. With one out, back-to-back singles to left-center by Ryan S. Balter '99 and Ethan T. Goetz '00 put two runners on for the middle of the Engineers batting order. Gilmartin proceeded to bounce out to second, but Balter tried to score from second on the play and was thrown out at the plate, ending the inning. In the fourth, UMass tacked on another unearned run, but could not hold MIT in the bottom half of the 4th. David M. Piho '00 led off with a towering triple to right-center, and Christopher J. Albrecht '00 followed with an RBI double just inside the right field foul line. Albrecht was then driven in by a James R. McDonald '01 single to left, cutting the deficit to 3-2. Two batters later, Brett K. Klein '03 tried to tie the score with a single to right, but McDonald was thrown out attempting to score, ending the inning.

Furgala was getting hot on the mound, continuously confusing UMass with a slew of sliders and changeups. The Engineers looked to tie the game in the bottom of the 5th and did just that when Gilmartin scored on a wild pitch after singling and swiping a bag. Furgala took the momentum and shut down UMass in the 6th and 7th. MIT went quietly as well, and the game went to extra innings. Furgala wasn't done yet, as he froze hitters left and right to finish the 8th. It looked like the game was headed to the 9th, as MIT's first two batters went down. But McDonald (2-4, 2 RBIs) took matters into his own hands, and with two outs in the bottom of the 8th, homered to left-center winning the ballgame in dramatic fashion. The dugout erupted as McDonald rounded the bases. Furgala (8 innings pitched, 1 earned run) picked up the complete game victory for his first win of the fall.

Engineers master the comeback

In game two on Saturday, MIT squared off against Wentworth Institute of Technology. Whatever momentum the Engineers had from game one wore off during a 3 hour break between games, as MIT came out flat and fell behind fast.

The score stood 5-0 WIT after 3 innings and it would have been more if not for a phenomenal throw by Piho on a relay nailing an WIT baserunner at the plate.

Ahren Lembke-Windler '00 relieved Juan Zayas '02 to start the bottom of the 4th, but even after WIT reached Windler for one run in the 4th, the Engineers knew they were still in the game.

The 5th inning began with a sense of urgency. Goetz led off with a groundball through the right side, and Gilmartin followed with a single to right. With two runners on, opposing pitchers do not want to see Piho stroll to the plate. And stroll he did, whacking a monstrous three run homer half way to Burton-Connor, cutting the deficit in half. MIT stayed hot and one out later, Lembke-Windler singled and got into scoring position on a wild pitch. Jason C. Andrews '03 then drove him in with a single to left field.

The score stood at 6-4 until the

top of the 7th. A two-run lead by WIT was hardly enough to hold the Engineers. Goetz started the rally with a hit by pitch and scored three pitches later when Gilmartin tripled to center.

A passed ball scored Gilmartin, tying the score at 6. WIT was a little wiser when dealing with Piho this time around, and he drew a quick walk. Albrecht followed with a single, putting runners at first and second. The game now stood in the hands of Lembke-Windler, as he strode to the plate with the go ahead run at second. Windler proceeded to double down the left-field line, knocking in both Piho and Albrecht. McDonald then put the game out of reach with an RBI single, taking the score to 9-6. For the second straight weekend, Lembke-Windler (4 IP, 0 ER) took a close game to the 7th, and again his vast repertoire of off-speed pitches prevailed. Lembke-Windler mowed down WIT to pick up his second win of the fall in as many decisions.

Winning streak ends at 4

The Engineers played their last game of the tournament Sunday morning, taking on Suffolk University. With Jason E. Szuminski '00 on the hill, MIT knew it would be a low scoring affair. Szuminski's exploding fastball and hard-breaking deuce sent Suffolk hitters quietly back to their dugout, until in the top of the third when Goetz misplayed a grounder deep in the hole at second, allowing a Suffolk baserunner to score. It didn't take long for the Engineers to answer, as Klein singled in Jason A. Poff '02, who had led off with a walk and advanced to third on a throwing error. The game stood tied at 1 until the top of the 6th, when Suffolk reached Szuminski for three more, taking a 4-1 lead. MIT was out of comebacks on this day, though, as the Suffolk right-hander consistently painted the corners to throw a complete game three hitter. In a game that took just 1 hour and 40 minutes, Szuminski pitched well (6 IP, 3 ER) but took the loss to fall to 1-1.

The Engineers will finish up their fall schedule this weekend with three games. On Friday at 3 p.m., MIT (5-2) takes on the heavy hitters of Massasoit Community College at home, and on Sunday at noon the Engineers will travel to Bentley College to face off against the Division II squad in a doubleheader.

W. Soccer Loses to Clark In First Conference Game of the Season

By Theresa K. Burianek
TEAM CO-CAPTAIN

In recent action, the women's soccer team has experienced both ups and downs in its level of play.

Last Wednesday, in a game postponed due to Hurricane Floyd, the Engineers had an outpouring of offense as they leveled Curry College 6-0. Goalkeepers Sarah K. Perlmutter '02 and Kathryn M. Knopp '02 combined for the shutout.

The offensive action started early for the Engineers as Kelli A. Griffin '03 scored just five minutes into the game off an assist from fellow freshmen Rebecca A. Clinton '03. Griffin then assisted Sarah E. Mendelowitz '03 in the 28th minute. Even though the Engineers led 2-0 at halftime, they did not let up on their opponents. Mendelowitz and Griffin paired up again 13 minutes into the second half to add to the Engineer's lead. Yi Xie '02 then assisted Griffin to her second goal midway thru the half.

Perlmutter switched from keeper to forward and quickly netted 2 goals for MIT. Perlmutter's first goal was unassisted and the second, just a minute later, was assisted by Stephanie M. Shelly '02.

MIT drops first conference game

Things did not fare so well for the team in their next game. On Saturday, MIT faced Clark University in their first conference game of the season.

It was a game of challenges and lessons for the Lady Engineers. In the first half the Engineers did not come out strong and were overtaken by speed and composure of the Clark team. Twice the Clark strikers were open at the top of the 18 yard line and connected with the back of the net.

Clark increased it's lead to 3 as a high shot outside shot arced into the top of the net in the 25th minute.

However, in the second half MIT completely changed their attitude. Sparked by an inspirational half time quote from assistant coach Alyssa Sadowski, it appeared as if a new team took the field after the break. There was renewed confidence as every player applied con-

stant pressure and challenged their opponents. The play was consistently down in MIT's offensive third most of the second half. Off a penalty, defender Hilary B. Carter '00 sent the ball into Griffin who relayed it to Jennifer M. Fiumara '02, who was able to score in the 57th minute.

The MIT defense also stepped up its play and improved its communication, keeping Clark scoreless in the second half. However, the much improved play of the second half could not turn around the 3 goal Clark lead. The final score was Clark 3, MIT 1.

Head coach Melissa Hart said she hoped the Engineers will learn from this experience that they have

the ability to play at the level of their conference competitors (as shown in the second half) but that they must come out strong for the entire 90 minutes.

On Tuesday, MIT lost another heartbreaker to conference rival Babson College. Xie scored Tech's only point off a penalty kick late in the second half. Although they played with much more finesse for the entire game, they were overcome by Babson and fell 3-1.

The team continues conference play at home tomorrow against Springfield College at 4 p.m. They will participate in a non-conference match next Monday at Westfield State College.



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Women's Volleyball Reaches Semis of MIT Tourney

By Paul Dill
DILL@MIT.EDU

The MIT women's volleyball team posted a 3-0 record before losing in the semi-finals of the MIT Invitational Tournament this past weekend.

The Engineers first took on Colby College and rolled over them easily in three games (15-8, 15-5, 15-5). Outside hitter Amy W. Mok '02 led all hitters with 12 kills while Parisa N. Habibi '02 added 10 digs to the defensive effort. Next MIT faced a very tall and athletic Eastern Connecticut State University.

After winning the first game easily (15-6), the Engineers stumbled in the second game giving up a large lead to lose (12-15). However, led by the dominant play of middle hitter Kelly A. Martens '03 who had 15 kills, and the setting of Aiarice Huang '00 who had 40 assists, MIT took the next two games to win the match 3-1 (15-6, 12-15, 15-6, 15-10).

Having won their pool, MIT faced Western Connecticut State University in the quarterfinals. WCSU played a very similar style of volleyball to ECSU and the Engineers had an almost identical match against them, winning the first game easily, dropping the second, and then taking charge of the third and fourth games to win the match 3-1 (15-9, 9-15, 15-10, 15-11). Barbara J. Schultz '02 was key in the victory as she picked up 17 digs defensively to keep the Engineers in point after point. Jill R. Margetts '00 hit her stride in only her second match back after being out with an ankle injury. After reaching the 1000 career kill mark against ECSU, Margetts tallied 12 more kills against WCSU.

MIT fights hard against Wellesley

In the semifinals, MIT went

against rival and nationally ranked Wellesley College. After surprising Wellesley early in the first game and reaching an 8 point advantage, MIT failed to hold on and lost the first game 14-16.

Disheartened after failing to put Wellesley away in the first game, MIT lost the second game without too much of a fight. Their backs to the wall, the Engineers fought back with a fury which again caught Wellesley by surprise. This time

MIT did not let the lead slip and they took the third game 15-10. In the fourth game, Wellesley took charge early as the emotionally and physically drained MIT squad tried in vain to stem the tide losing the match 1-3 (14-16, 5-15, 15-10, 5-15). Margetts again led the way with 19 kills while Kathleen L. Dobson '03 added 15 digs to the effort.

Wellesley went on to win the tournament beating Bates College in the finals 3-0, and setter, Huang was

chosen to the All-Tournament Team.

On Tuesday Engineers travelled to Wheaton College for a conference match. After falling behind 0-6 in the first game, MIT woke up and took charge of the game winning 15-13. Another second game let-down saw Wheaton serve the Engineers off the court as they took the game 15-6. It looked to be more of the same in the third game as the Engineers found themselves down 3-10.

Huang decided enough was enough and served 10 straight points to demoralize Wheaton. After closing out the third game, MIT never looked back as they took the fourth game and the match 3-1 (15-12, 6-15, 15-12, 15-7). Dobson led all hitters with 21 kills. This win put the team's record at 4-0 in the NEWMAC Conference, and 10-3 overall. The Engineers also remained in the fourth spot in the New England regional rankings.

Football Readies for Homecoming vs. Curry

Football, from Page 36

field.

SRU stays strong in second half

Leading 30-7 at halftime, Salve came out even stronger in the second half. DiBascio's 7-yard touchdown run early in the third quarter drenched any hopes of a Beaver comeback. In addition, a 30-yard touchdown run by Anthony Pirri on the very next series ensured quality playing time for the Seahawk reserves.

Yet despite the Salve dominance, MIT did more than its share in contributing to the demoralizing defeat. Two lost fumbles, an interception, and two errant punt snaps by the Beavers, all in their own territory, led to 30 Seahawk points. In addition, a fourth-down penalty on the MIT punt-return team for having twelve men on the field extended another SRU offensive drive that ended with a touchdown. Regardless, credit remains with the Seahawk defensive unit, which stuffed the Beaver running game and pressured Skordal's passing attempts all day.

The positives for the Beaver football team were sparse on this nightmarish day, but a solid performance was turned in by starting

receiver Charles A. Toye '00 at backup quarterback. Toye scored the second Beaver touchdown on a one yard plunge late in the game and completed several nicely thrown balls to the MIT receivers.

The Beaver option attack, which has showed too much inconsistency this year, again showed flashes of its potential in a few nice runs from Maik C. Flanagan G and Enrique J. Villavicencio '00. And not surprisingly, co-captain Nikolas Kozy '00 played superbly at his defensive end position. As a team, though, the Beavers were thoroughly outclassed by the talent and tradition of the Salve football program, which maintained its perfect lifetime record over MIT for yet another year.

Beavers look forward to Curry

Tomorrow marks the homecoming for MIT, and quite fittingly they host the Curry College Colonels in an NEFC Blue Division matchup at Steinbrenner Field. The rivalry with Curry (1-2, 1-1 NEFC) has become a heated one over the past few years, as cheap shots, gloating, and on-the-field chatter from both sides were visible in both the 1997 31-0 MIT victory and the 1998 28-7 Curry victory. Not all of the rivalry is unfriendly, though; Chris House, the mastermind

behind the improved MIT defense, is the former head football coach at Curry, not to mention one of its more well-remembered alumni. There is no doubt that Coach House and the rest of the Beaver coaching staff will bring their troops into battle fired up and well-prepared.

A longtime conference cellar-dweller, the Colonels are now a team on the rise. Second-year head coach and former New England Patriots linebacker Steve Nelson has rejuvenated the Curry program, instilling confidence and a new attitude in his team, as well as attracting more talented players from local high schools through his NFL experience. The Colonels rebounded from a dismal 1997 campaign to post a 6-4 (6-3 NEFC) record in 1998, an achievement that earned Nelson NEFC Coach of the Year honors. The 1999 version is coming off a tough 20-16 loss last week to Framingham State, who MIT defeated in Week 1.

The Colonels run a pro-style offense that, although predictable, is capable of both running and passing the ball effectively. The biggest weapon is sophomore running back Tony Giannetti, who is a good runner but even a better pass catcher out of the backfield (two receiving TD in '99). Freshman tight end

Greg Jacobs is a key contributor, averaging nearly 12 yards a catch. Senior quarterback Steve Santos is the leader but may have been rattled by an 89-yard, three interception performance last week against FSU.

On defense, Curry runs a basic 4-4 and 5-3 geared to stop the run-oriented NEFC teams. They are led by talented senior linebacker Chuck Israel, the NEFC Defensive Player of the Week for September 18. The secondary is young (all freshmen and sophomores) but quick. The defensive line, led by 235-pound senior tackle Aubrey Beavers, is big but slow, so the Beaver game plan should favor running to the outside.

For the first time this year, MIT has the edge over its opponent in terms of player-to-player matchups. The key to victory is remaining disciplined, playing assignment football, and cutting down on mistakes. The costly penalties of last week must be eliminated against the Colonels. If the Beavers play to their potential on both sides of the ball, the sheer advantage in talent should carry them to the .500 mark this Saturday.

Beaver Injury Report: LB Brian L. Licata '01, hand, probable; G Alexander W. Deneui '03, hand, questionable; RB Ryan B. Whitaker '03, arm, probable.

How will the RSSC proposal affect you?

Undergraduates

Upperclassmen will no longer be guaranteed rooms on campus.

In the fall of 2001, there will be enough beds in the residence halls to house the freshmen on campus. There will not, however, be enough to house the upperclasspersons. ...some of those students must leave the system. (p.11)

Freshmen will no longer be able to make informed decisions about where they wish to live.

...we recommend that freshmen establish their residence hall preferences by July 1 in the summer preceding their arrival. (p.12)

Dorm culture will be destroyed when the administration deliberately creates instability that will undermine the community already present in dorms and place undue burden on sophomores starting their first year on grades.

It is therefore the norm that students will move between their freshman and sophomore years. (p.12)

Freedoms that you now enjoy will slowly be taken away under the guise of improvements to student life.

The [student] governments cannot accurately reassess their position, however, without a clear set of expectations and limits from MIT. The Institute owes its students a clear set of boundaries, and the real flexibility to craft appropriate experiences within those boundaries. (p.16)

Graduate Students

Your needs will continue to be ignored.

...we acknowledge the lack of substantive attention in this report to the graduate student community. (p. 8)

...we were not able to make the substantive contributions to improving the graduate student residence experience... (p.18)

Ashdown will be taken away from you piece by piece.

We note that while Ashdown Hall is and should remain a graduate residence hall, it does provide some very attractive spaces for the freshman offices and for programming. ...we suggest Ashdown be considered as an appropriate location. (p.11)

The new graduate dorm will continue to be delayed, while a new undergrad dorm will be built at a cost of about twice as much per bed.

Faculty

Tenure will become even harder to get.

Salary and promotion decisions for faculty and staff may be explicitly linked in part to activity within the residence system. (p. 5)

The Quality of Research at the Institute will degrade: as MIT continues to display a stunning lack of concern for housing its graduate students, the top prospectives will choose more accommodating institutions.

Current Theme House Residents (Chocolate City, Language Houses)

Your voice in the process of choosing whom you live with will disappear.

...no student or group of students shall approve the admission of an individual freshman to a specific room or floor. This constraint extends to "theme houses" that exist within MIT residence halls. (p.14)

Independent Living Groups

One Third of the FSILGs will fold, according to the Strategic Advisory Committee to the Chancellor. The committee recommends that MIT allocate \$25 million to incorporate the abandoned houses into the dormitory system.

<http://web.mit.edu/advise/capital-expend.txt>

Face it: there is no longer any doubt that President Vest is planning to destroy MIT FSILGs over the next decade. The long term plan is to gradually relocate houses to "Theme Houses" in the dorms, which, like all Theme Houses starting in 2001, cannot select their residents. The unique spirit of your ILG, fraternity or sorority will be destroyed.

We invite the cross-river FSILG's to consider how their long-term viability might be enhanced through a move that allows them to reset their physical facilities in a location more closely aligned with MIT. Of particular interest would be housing systems that allow for the natural changes in population in a given FSILG by creating adjustable boundaries between adjacent FSILG units. (p.17)

President Vest neither understands nor values MIT's unique culture. He is setting out to make the Institute look like just another state school. MIT is a leader for a number of reasons, but its student and residential culture is chief among them. Anything that threatens this culture threatens MIT's excellence.

Why is the administration spending so much money on committees, administrators, and the construction of a dorm for a housing system that already has one of the highest satisfaction rates in the country instead of scholarships, research grants, faculty, and an oft-promised and much needed graduate dorm?

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SPORTS

Tech Overwhelmed By Stronger Regina

By **Alvan Eric Loreto**

TEAM MEMBER

Hours before the opening whistle of last Saturday's football contest between Salve Regina and MIT, a late-morning shower lasted about 20 minutes before yielding to beautiful sunny skies.

Hours after the opening whistle, however, the young Beaver football team found itself swept away by the downpour of a perennial New England football powerhouse.

In front of a rowdy home crowd at Toppa Field in Newport, RI, the Seahawks swamped the visiting Beavers 53-14, dominating all phases of the game to pick up their first victory of the season. Salve (1-2, 1-1 NEFC) exploded for 440 yards of offense, 303 of them on the ground, while holding MIT (1-2, 1-2 NEFC) to 158 total yards. Senior running back Mark DiBiasio led the way with 90 yards on 10 carries, but

there was no one star that hurt the Beavers. Rather, it was a strong balanced team effort that led to the Beavers' destruction. Seven different SRU players scored to complement an outstanding effort from the swarming Salve defense.

Salve's first touchdown, a 16-yard pass from Jeff Wright to Ron Casper, was quickly matched by MIT on a nifty 13-yard TD run by David R. Skordal '02. Then the floodgates opened as the Seahawks proceeded to score 46 unanswered points, including 6 touchdowns on the ground. The MIT defense was left with no answers to Salve's confusing Wing-T attack, which also mixed in the pass effectively despite being a run-based offense. Averaging a whopping 7.0 yards per carry, SRU had little need to go to the air, but they found success in rare third-down situations by hitting wide-open receivers on crossing routes over the middle of the

Football, Page 34

Women's Tennis Extends Perfect Record with Four More Victories

By **Nisha Singh**

TEAM CO-CAPTAIN

The women's tennis team played four matches this past week. On Saturday, they travelled to Worcester to play Clark University in a conference match, winning 8-1. On Sunday, they went up to Maine to face non-conference opponents Colby College and Bates College, winning both matches 5-4. On Tuesday, the women hosted WPI in conference clash, again winning 7-2 to remain undefeated.

In doubles action against Clark, Julie J. Koo '03 and Jessica Hall '02 won 8-2 at first doubles, as did Doana Cecan '00 and Jessica M. Yeh '01 at third doubles.

Co-captains Mealani K. Nakamura '00 and Nisha Singh '00 teamed up at second doubles for the first time, and had a slightly more difficult time, winning by a score of 8-4.

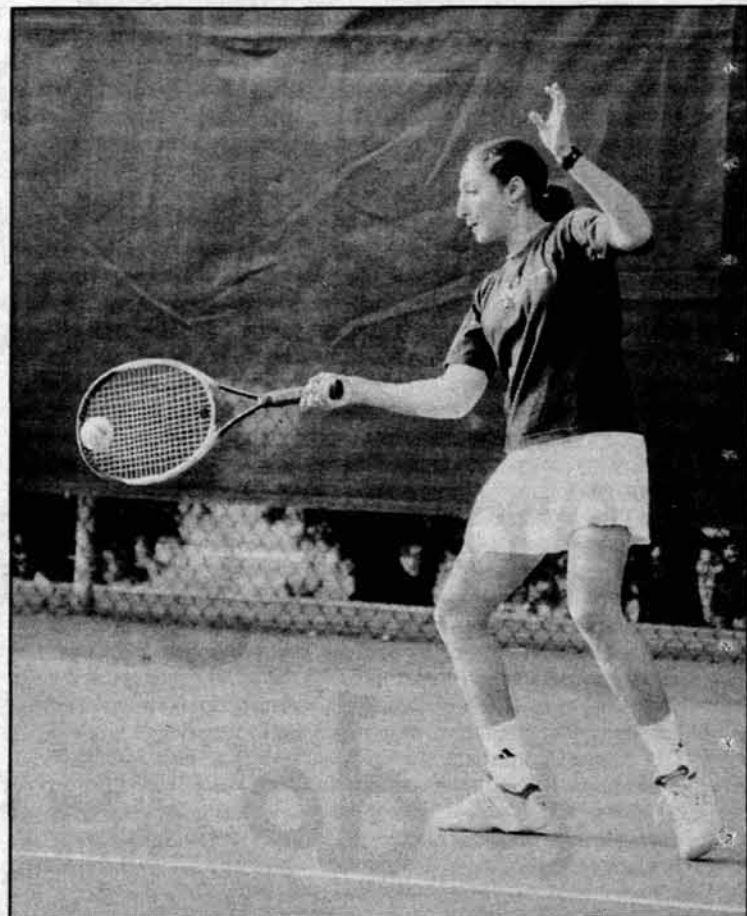
In singles, Nakamura and Koo lost a combined total of one game between them at first and second singles, with Nakamura blanking her opponent 6-0, 6-0, and Koo winning 6-0, 6-1. Hall faced a tenacious opponent at third singles, but fought her off 6-4, 6-4. Cecan and Singh cruised at fourth and fifth singles with 6-2, 6-0 scores. Fighting both illness and the conditions, Yeh lost 7-5, 6-1 at sixth singles.

Team knocks off two in Maine

On Sunday morning, the team faced rival Colby, a team they hadn't beaten in three years. MIT got off to a strong start in doubles, with the team of Nakamura-Kelly Koskelin '02 winning 8-0 at first doubles, and Koo-Hall winning 8-1 at second doubles. The third and fourth doubles teams weren't as fortunate, with Cecan-Priscilla P. Cheung '02 and Singh-Ann Hsing '02 both losing 8-6.

The singles matches were unpredictable, as Colby had many freshmen and strong singles players. Nakamura suffered a rare 6-3, 6-2 loss at first singles, while Koskelin and Koo cruised at second and third singles 6-1, 6-2 and 6-1, 6-0.

Hall had the match of the day at fourth singles. After winning the first set 6-2 she dropped the second 4-6. With the overall match score 4-3 at the time, a victory by Hall would clinch the victory for MIT. As she has already done before in her MIT career, Hall



Jessica Hall '02 returns a ball during Tuesday's match against WPI. She won her singles match 6-0 & 6-1 adding to MIT's 7-2 team victory.

came through, winning the third set easily 6-1.

Cecan and Singh dropped their matches at fifth and sixth singles, with scores of 6-4, 6-1 and 6-1, 6-3. Cheung won easily at seventh singles, while Hsing had to go to the distance at eighth singles, winning in three sets.

The team then faced Bates College on Sunday afternoon. The match was played indoors and the surface proved challenging, but the MIT women were ready, drawing on their experience and determination. The doubles matches were closer than in the morning against Colby, with MIT using the same lineup. The first and second doubles teams were both victorious, winning 8-4 and 8-6. The third and fourth doubles teams fought hard, but lost 8-5 and 8-2.

Going into singles with the 2-1 lead, MIT was prepared for tough matches, and there were many. Nakamura won 6-2, 7-6 at first singles, while Koskelin was victorious 6-4, 6-3. Koo had the easiest match, winning up 6-2, 6-1 at third singles. Fourth, fifth, and sixth singles were all Bates victories, with Hall losing 6-2, 6-3, Cecan 6-3, 6-3, and Singh 6-4, 6-4.

Head coach Carol Matsuzaki had some thoughts on the busy weekend: "This weekend was a great experience for us both as a team and as individuals. Everyone is at a dif-

ferent stage in her own tennis development and a match is almost always a good test of how well we can execute under pressure. It was a good opportunity for us."

WPI fall on MIT's home courts

On Tuesday, the women finally got a welcomed return home against WPI. The doubles results were mixed. Nakamura-Hall won 8-4 at first doubles, while Singh-Yi-Ning Cheng '02 lost 8-5. The third doubles team of Cecan-Cheung blanked their opponents 8-0.

Most of the singles matches were fairly routine. Nakamura and Hall dropped a total of three games between them, winning 6-0, 6-2 and 6-0, 6-1. Cecan lost a heart-breaker 6-3, 7-5 at third singles in the longest match of the night. Singh and Cheng bounced back from their doubles defeat, cruising at fourth and fifth singles 6-2, 6-1 and 6-0, 6-0. Cheung and Jean Yang '00 did the same at sixth and seventh singles, winning 6-1, 6-0 and 8-0.

"We showed good poise in beating WPI," said Matsuzaki. "We have some very tough matches coming up — Tufts, Wellesley, Smith. We need to show them what we're made of by excelling under pressure. We need to play some good and solid tennis."

The team hosts Wellesley on Tuesday.

Homecoming Ming

By **Ming-Tai Huh**

ASSOCIATE SPORTS EDITOR

So it's finally arrived: the MIT homecoming. Now what are we to do? Looking back to our high school days, when we would go watch the football team crush an underdog, then enjoy an amazing finger-licking barbeque, play some outdoor games, and go home and get psyched up for the big dance, all of this seems so nostalgic and old-school.

But if you remember the feeling of being back at home, imagine what it's going to be like this weekend with the whole MIT community. Exactly—this weekend there will be the closest thing to full MIT participation since Orientation/Rush, but this time I believe its going to be bigger. On Saturday, alums and graduate and undergraduate students will be out there having a good time enjoying MIT's one-time splurge.

Never again will there be a time to go into MIT's pockets.

Greedy intentions

The celebration surrounding homecoming stands in stark contrast to the recent topic of the shortage of funding for MIT athletics. I am pretty sure that I am not only one fiercely annoyed by the cuts of junior varsity teams and shortening of varsity squads. When I applied to this school, MIT had the huge bragging right of 41 varsity sports, the most of any college in the country. What they failed to mention was that we have most underfunded teams of any school. I bet your high school football team gets more money than MIT's does.

Athletes at this school deserve more. You pour out your time and your dedication, all on top of the hellish education. That's the way I see it, but MIT sees it like this: "Well, they (athletes) are excellent students so they really shouldn't be playing a sports anyway. We can save some money by cutting some teams which people join for fun and not real competition, but then again real competition doesn't exist here at MIT."

This is a discussion to be continued and continued. I want to hear from teams and players that feel they have been deceived by MIT's athletic program.

In the meantime, have a great Domecoming weekend. Show me the money!

Women's XC Runs Without JV at Tufts

By **Deborah S. Won**

TEAM MEMBER

The MIT women's cross country team travelled to Tufts University's home course in Grafton for the annual Codfish Bowl to compete against over 200 runners and got more of the fierce New England

Division III competition they have been and will be up against this season. The team finished tenth out of 17 teams.

The team unfortunately had to leave some of their teammates behind due to the new MIT regulations restricting the competing squad to twelve members, but were still able to keep up their spirits and motivation.

Having seen the hills of the second and third miles during their walk-through of the course prior to the gun, the Tech runners planned on a conservative start. However, they did not anticipate a bottleneck

where the path slightly narrowed in the beginning of the race. Nor did they anticipate winding up at the very back of the crowd of runners after these first 100 m.

The mighty Tech pack had to fight their way through the swarm of opponents, weaving their way in and out and running on sloped, uneven edges of the paths. And despite this slow first mile, they did work their way past opponent after opponent. None of the Tech runners let either the other runners or the bumpy, uneven, and hilly terrain from running tough, strong races.

Won finishes first for MIT

Having a Tufts opponent never far behind helped push Deborah S. Won '00 to win the race in 18:35. Finishing second for the MIT harrisers, Marissa L. Yates '03 once again showed the amazing spirit and mental strength characteristic of this year's freshmen and placed 33rd with a time of 20:31. Then the

rest of the Tech pack came through with a delta of only 45 seconds between runners 3 through 7. Patricia M. McAndrew '03, Crystal A. Russell '03, Jantrui Ting '00, Aimee R. Ginley '03, and Margaret F. Nervegna '01 finished in 21:26, 21:37, 21:39, 22:04, and 22:09, respectively. Molly Jones '03, continuing to inspire teammates with her improvement, ran a 22:14, while her training partner and four-year veteran Leah Nichols '00 followed close behind with a time of 23:38. Chi-An Wang '01 and Farheen Qadir G showed they could push themselves without teammates nearby and finished with times of 24:35 and 27:31, respectively.

Most ran very even splits, but in hindsight would have opted for faster first miles to get better positioning. MIT placed 10th out of 17 scoring teams but will have the opportunity to take on some of those other top 10 teams again later in the season.

UPCOMING HOME EVENTS

Friday, October 1

Baseball vs. Massasoit Community College, 3:00 p.m.

Saturday, October 2

Football vs. Curry College, 12:00 p.m.
Men's Soccer vs. Alumni, 2:00 p.m.
Women's Soccer vs. Springfield College, 4:00 p.m.

Tuesday, October 5

Men's Tennis vs. Harvard University B, 3:30 p.m.
Women's Tennis vs. Wellesley College, 4:00 p.m.

Thursday, October 7

Field Hockey vs. UMass-Dartmouth, 4:00 p.m.
Women's Tennis vs. Brandeis College, 4:00 p.m.
Water Polo vs. Harvard University, 7:00 p.m.