



Democratic Presidential hopeful Bill Bradley addresses issues raised by students and discusses his campaign in Wong Auditorium Tuesday.

Democratic Hopeful Addresses Students

Bradley Discusses Education, Activism

By Kristen Landino
ASSOCIATE NEWS EDITOR

Democratic Presidential Candidate and former New Jersey Senator Bill Bradley spoke about some of the primary issues related to his campaign including racial unity, poverty, and health care before a packed Wong auditorium Tuesday.

"The issue of racial unity is one closest to my heart. It is time to get back to a time when, in Toni Morrison's words, 'race is there, but it doesn't matter,'" said Bradley.

Bradley explains unique campaign

"I'm doing this campaign differently. I'm trying to respect people," said Bradley.

Bradley has a different past than most presidential candidates. A former guard for the New York

Knicks, he spent a great deal of his time traveling across the country with the team. According to Bradley, this experience has helped him to better understand the American people and what they want.

"Throughout my life there has been one continuum — me going up to strangers and asking them about their story. I feel through the accumulation of these stories I have gotten a sense of who the American people are," said Bradley.

Bradley also voiced the need to increase political awareness throughout the country, citing mistrust of government as a major factor leading to the increased apathy of the American people to politics.

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Career Week Begins

By Naveen Sunkavally
NEWS EDITOR

For students of all years interested in permanent or summer employment, Career Week begins Monday.

Organized chiefly by the Class of 2000, the Graduate Student Council, and the Society of Women Engineers, Career Week includes the MIT Fall 1999 Career Fair, which will consolidate the three small career fairs usually held in previous falls.

More than 270 companies have registered for the fair, to be held on Sept. 30 and Oct. 1. Companies will focus on hiring graduate students on Sept. 30 and on undergraduates Oct. 1. In addition to the fair, Career Week will include several discussion panels and forums featuring MIT alumni relating their experiences to students.

One fair better than three

President of the GSC Luis A. Ortiz G. said that part of the reason for having one large career fair instead of three small ones is to take advantage of "economies of scales" by eliminating "duplicate costs."

Hugo B. Barra '00, president of the class of 2000 and one of the lead organizers, estimates the cost of Career Week at \$70,000. He said that Career Week will produce \$250,000 in revenue, from companies' registration fees and by selling resume books. The revenue will be divided between the Class of 2000, GSC, and SWE. For comparison, last year's Class of 2000 career fair, which attracted about 160 companies, cost around \$40,000 and grossed \$100,000, Barra said.

The GSC career fair last year cost \$10,000-\$15,000, Ortiz said.

Having one career fair also brings in a wider range of companies, who in previous years might not have gone to the smaller career fairs. In the past, "companies [in the past] did not know which career fair to go to," said Ortiz.

"Companies definitely prefer to come once," said Barra.

In addition, Barra said that having one large career fair provides a solid structure upon which to base other activities — the panels and discussion forums — which make up Career Week.

Students will have to plan ahead

For students, having one career fair is good in that it gives exposure to a greater variety of companies than those present at smaller career fairs, said Ortiz, but he said that the timing of the Career Fair puts students in a "bit of a crunch." He said that in the future the fair may be moved a few weeks later in the term.

"I would say that the reason why students would want more than one career fair is that they don't have a well established strategy" for approaching fairs, said Barra. He encourages students to "figure out a plan of action" and to prepare ahead in formulating questions.

"Don't think of a career fair as a place to get your next job — it's important just to make contacts, look at other fields," said Ortiz.

Career, Page 18

Permit Enforcement Cancels Parties

Several Events at Fraternities Cancelled or Postponed after Boston University Complaint Leads to New Enforcement of Assembly Permit Regulations by BPD

By David S. Bailey

Over the past two weekends, at least four MIT fraternities have had parties postponed or shut down due to Boston Police Department's new demand for MIT fraternities, sororities and independent living groups to obtain an assembly permit before hosting large events.

According to Delta Tau Delta Social Chair Damien A. Brosnan '01, DTD, planned a party for the night of Friday, September 10 but were unaware of the new restrictions. Boston Police arrived prior to the

start of the party to notify DTD that they would not be allowed to host a party without the permit, Brosnan said.

During the weekend of September 17, though some houses were able to conduct parties unhindered, Phi Delta Theta and Sigma Nu opted to postpone parties that had been planned for Friday night.

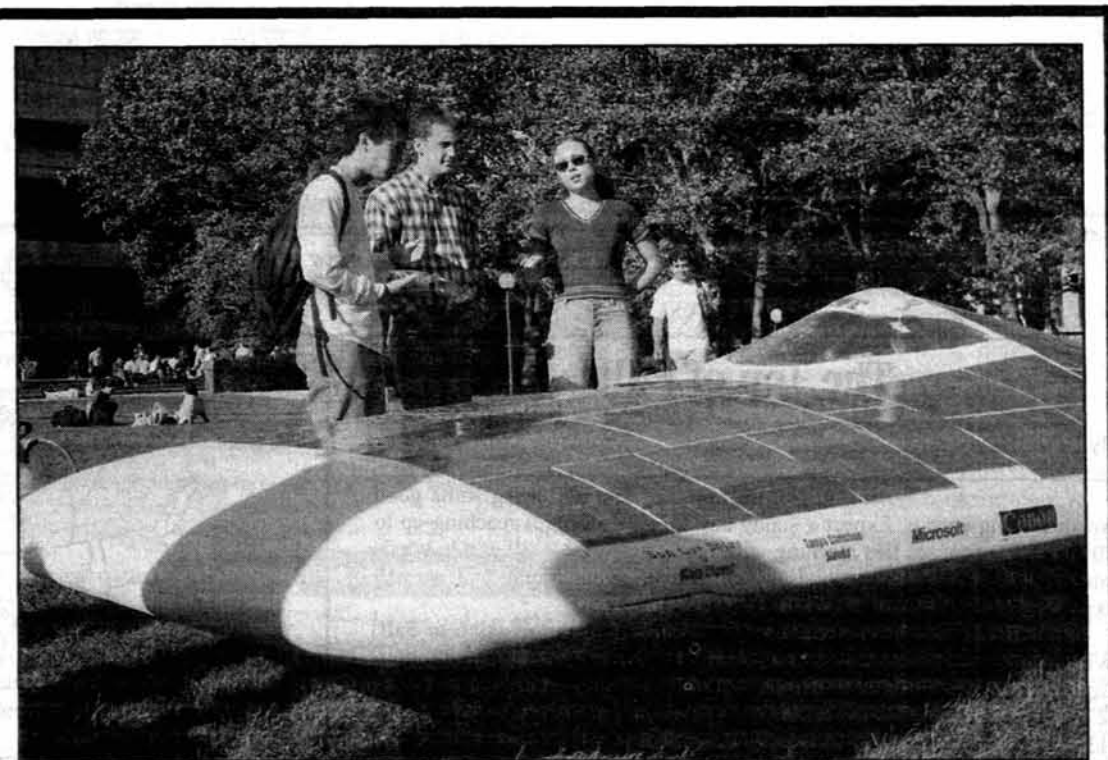
On Saturday night, Boston Police shut down a party at Delta Upsilon due to lack of assembly permit.

"The steps we've taken didn't come into place because the hurri-

cane caused mail delays," DU President Andres T. Hernandez '00 said, regarding DU's efforts to obtain the appropriate permit. "It's better to have fire safety than not... but it's definitely not convenient. It changes the way parties can be run."

According to Assistant Dean Neal Dorow, obtaining the assembly permit requires submitting floorplans to the Boston Inspectional Services to obtain an assembly occupancy number, and

Parties, Page 26



Binh Vo '03 and Bryan Crane G listen to Solar Electric Vehicle Team member Carla Pleknagura '02 as she explains the mechanics of their car, the Manta GTX. The team will be competing in the 1999 World Solar Challenge this October.



Lippard discusses potential cancer therapy at TBP lecture.

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Plans for new undergraduate residence go forward.

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WORLD & NATION

Taiwan Declines Aid From China

THE WASHINGTON POST

BEIJING

The Chinese government offered Thursday to send rescue teams, tents and quilts to Taiwan to help victims of Tuesday's massive earthquake, but Taiwan declined, saying such aid is not needed at the moment. Taiwanese officials left open the door to a related Chinese offer of a cash donation, which it first suggested on Tuesday.

It was a decidedly mixed response to unprecedented Chinese overtures. While the mainland has received more than \$50 million in disaster relief from Taiwanese donors since the 1980s, China has never sent aid to the island it considers to be a breakaway province.

Although tensions across the Taiwan Strait have abated since the quake, there has been no symbolic breakthrough in relations akin to that seen by rivals Turkey and Greece following their shared grief and mutual aid in recent back-to-back earthquakes. Some in Taiwan are finding it difficult to be gracious about accepting China's helping hand given Beijing's bellicose rhetoric of the past two months.

After Taiwan's President Lee Teng-hui declared in July that Taiwan's relations with China should be on a "state-to-state" basis, the Chinese government warned of "catastrophe" if Taiwan did not back down, and the military held a large-scale mock invasion of Taiwan.

NASA Blames Navigation Error for \$125 Million Missing Mars Satellite

LOS ANGELES TIMES

PASADENA, CALIF.

Heartsick NASA engineers strained for some whisper of hope from a missing weather satellite at Mars Thursday, all but convinced that a last-minute navigation error caused the \$125 million spacecraft to disintegrate in the Martian atmosphere.

"We have a serious problem with the Mars Climate Orbiter and we may in fact be facing loss of mission," said Carl Pilcher, the National Aeronautics and Space Administration's science director for solar system exploration.

A preliminary analysis left mission managers at the Jet Propulsion Laboratory here with little doubt that the Mars Climate Orbiter itself had performed properly during its rendezvous with Mars early Thursday but that a human reckoning error had plunged the spacecraft too deeply into the Martian sky where friction from the planet's tenuous atmosphere either broke it apart or burned it up.

"A significant navigation error occurred," said JPL project manager Richard A. Cook, who was overseeing the Orbiter rendezvous with Mars. "It looks like something was wrong with the ground navigation. We are, to put it bluntly... surprised."

House GOP Takes Up Spending Bill

THE WASHINGTON POST

WASHINGTON

House Republicans Thursday began work on a giant fiscal 2000 labor, health and education measure that roughly matches this year's spending but guts the Clinton administration's education and job-training initiatives and relies heavily on creative budgetary tactics.

The bill, approved by appropriators along party lines, would torpedo President Clinton's plan to add 100,000 teachers to the nation's classrooms and eliminate funds for Goals 2000, building improvements and a program to help youngsters prepare for college. Instead, the Republicans trimmed and consolidated those funds in a block grant program that has yet to be fully authorized.

With only a week before the start the new fiscal year and a raft of difficult spending issues to resolve, congressional negotiators focused on many different fronts: The agriculture bill was deadlocked over whether to lift sanction on Cuba; the defense bill was stalled over the F-22 fighter aircraft, and the foreign operations bill was hung up over international family planning.

Clinton Vetoes Republicans' 792 Billion Dollar Tax Cut

By Edwin Chen and Janet Hook

LOS ANGELES TIMES

WASHINGTON

President Clinton vetoed the \$792 billion GOP tax cut Thursday, setting the stage for a high-stakes showdown with Republicans in Congress over tax and spending priorities — and a ripe political issue for the coming election year.

Speaking in the White House Rose Garden as he administered his long-threatened veto, Clinton urged his GOP adversaries to "work together" with him by devoting most of the budget surplus not to a huge tax cut but to debt reduction and long-term Social Security and Medicare reform — while settling for a more modest tax cut of about \$300 billion.

"We must put first things first," the president declared.

The White House staged Thursday's veto ceremony with a festive air, complete with a brass band. The ambience seemed to reflect the belief among administration officials that Clinton again will get the better of his GOP critics.

In 1995-96, Clinton and Republicans were mired in such a prolonged budget impasse that it forced parts of the government to

shut down, which the public blamed on GOP recalcitrance. In 1997, a year-end budget deal blew a \$20 billion hole in the budget ceilings — and was widely seen by Republican conservatives as a Clinton victory.

"Republicans feel that in past negotiations they have always come in second place," said Rick May, former staff director of the House Budget Committee. "They perceive that they do not do a very good job in these negotiations."

To be sure, the White House and the GOP Congress have reached significant compromises, such as the 1996 welfare reform law, minimum wage increase and expansion of medical insurance coverage.

But the GOP's deep and visceral distrust of Clinton remains.

As House Speaker J. Dennis Hastert (R-Ill.) put it Thursday: "One of the things we don't want to do is to get caught in a situation where we're giving the American people minimum tax cuts for maximum spending."

While Clinton fervently urged them not to "throw in the towel" and go home, GOP leaders scorned his invitation as an empty gesture.

"Never once has he offered any constructive help," Hastert said.

Still, senior White House aides said that the standoff may not be quite so intractable.

The GOP plans to draft a Medicare reform bill in the fall, a move that White House Chief of Staff John Podesta said could "begin to open things up" and provide "the framework" for a compromise on an array of issues.

For now, however, Republicans intend to concentrate on passing the 13 annual spending bills in time to adjourn for the year in late October.

If Republicans refuse to negotiate, Clinton is prepared to chastise the GOP-controlled Congress publicly for behaving irresponsibly by quitting instead of doing the public's business. Such a bully pulpit campaign, so the thinking goes, also could help elect Al Gore president and put Congress back in the hands of Democrats.

The bill that Clinton vetoed, the 26th of his presidency, would have cut inheritance and capital gains taxes, eased taxes on married couples and reduced tax rates for the lowest bracket from 15 percent to 14 percent. The tab was \$792 billion over 10 years. Clinton has proposed more targeted middle-class tax cuts totaling about \$300 billion.

Surgery May Restore Fertility Through Ovarian Transplants

By Rick Weiss

THE WASHINGTON POST

For the first time, doctors appear to have restored fertility in a menopausal woman by reimplanting into her abdomen several pieces of her ovaries that had been removed and frozen when she was younger.

The experimental procedure, performed on an American ballerina, could lead to greatly expanded reproductive options for women by allowing them to become pregnant years or decades later in life than is now possible, doctors said.

Currently that's an option generally restricted to men, since sperm can be frozen indefinitely but eggs do not tolerate freezing well. Frozen embryos can survive for many years, but that approach requires a woman to choose in advance the

father of her future child.

The ballerina, who is now 30 and went into early menopause after her ovaries were removed several years ago for medical reasons, has not tried to get pregnant yet, so it's too soon to say she is truly fertile. But all indications are that her reimplanted ovarian tissues are can produce mature eggs on a monthly cycle, her doctors said.

"She actually ovulated and then she menstruated," said Kutluk Oktay of the New York Methodist Hospital in Brooklyn, who led the effort with Richard Gosden of the University of Leeds in England.

The results are scheduled to be presented on Monday at the annual meeting of the American Society for Reproductive Medicine in Toronto but they were leaked Wednesday to

newspapers in Britain, which touted the work Thursday in front-page headlines declaring the "end of menopause."

Among the first to take advantage of the method will be young women undergoing treatment for cancer, Oktay said, which can poison the ovaries and render women infertile. Scores of such patients in the United States and England already have had parts of their ovaries frozen in hopes that reimplantation will someday be available and will work. Until now, however, the method had been proven wholly successful only in a single experiment performed on a sheep. In the long run, doctors expect a much greater demand from healthy women who want to become pregnant later in life.

WEATHER

The Top of Fall

By Peter Huybers

STAFF METEOROLOGIST

A high pressure system moving in from the east will bring some good weather along with it. Expect a sunny day today with highs reaching up to 80°F (27°C). Breezes this morning will develop into 20 to 30 m.p.h. winds later today. Tonight some clouds will develop after midnight, and we will experience lows of 55°F (13°C) to 60°F (16°C).

This weekend should make for a sunny and mild introduction to Fall. Winds will taper off for the weekend, and skies will be mostly sunny. Highs for both Saturday and Sunday will be from 75°F (24°C) to 80°F (27°C) and lows will dip to somewhere between 50°F (10°C) and 55°F (13°C). On Monday a few more clouds will move in. Highs will still be near 80 but lows should dip only to the high 50s.

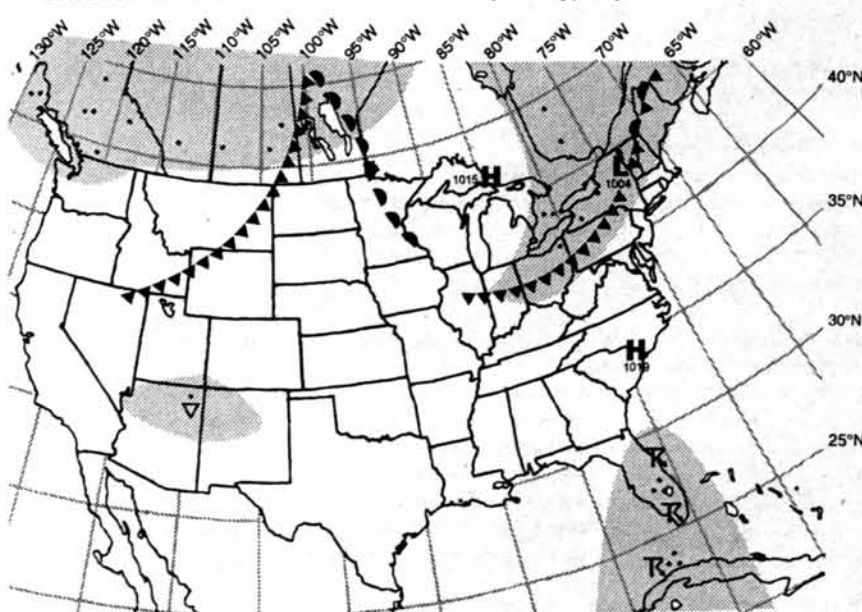
Friday: Breezes developing into 20 to 30 mph winds, high temperature of 80°F (27°C) and low between 55°F (13°C) to 60°F (16°C).

Saturday: Winds dying down, high temperature between 75°F (24°C) and 80°F (27°C), low between 50°F (10°C) and 55°F (13°C).

Sunday: Like Saturday, high between 75°F (24°C) and 80°F (27°C), low between 50°F (10°C) and 55°F (13°C).

Monday: Partly cloudy, high near 80°F (27°C), low between 55°F (10°C) and 60°F (16°C).

Situation for Noon Eastern Standard Time, Friday, September 24, 1999



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	--- Trough	Shower:	Fog
L Low Pressure	— Warm Front	Light:	Thunderstorm
S Hurricane	▲▲▲ Cold Front	Moderate:	Haze
	▲▲ Occluded Front	Heavy:	Compiled by MIT Meteorology Staff and The Tech

Gore Seeks Pro-Environment Business' Campaign Donations

By Ceci Connolly
THE WASHINGTON POST

WASHINGTON

Eager to fatten its bank account before the third quarter ends next week, Vice President Al Gore's campaign is promising pro-environment business leaders a special session with campaign Chairman Tony Coelho if they raise \$5,000 by next Thursday.

The last-minute money press reflects twin challenges facing Gore: he needs to demonstrate as much fund-raising prowess as possible in his next campaign finance report and he wants to prove that last week's endorsement of Bill Bradley by Friends of the Earth was an anomaly, not the start of a trend among environmental groups.

"It's admittedly a reaction to" the Bradley endorsement, said Miami lawyer Mitchell Berger. "We wanted to make sure the vice presi-

dent knew we appreciated his efforts for the environmental community over the years."

One environmentalist said Gore was "personally wounded" by the decision of Friends of the Earth to back his rival for the Democratic nomination. Now his aides are eager to reassure Gore — and the general public — that he retains the support of other environmental activists.

Former Gore aides and administration officials working in the private sector in recent days launched a round of coast-to-coast telephone calls to a network that includes environmental engineers, protectors of the Everglades and Californians who care about the coast.

"I am calling people I know who have very strong environmental beliefs but are not necessarily connected to an organization," said John Garamendi, a former Interior Department official who has

reached 10 fund-raisers so far. "They believe Al Gore is solid and has proven himself in the last seven years."

Initially, the Gore team planned an intimate soiree with the vice president and environmentalists at the home of fund-raiser Peter Knight. The gathering was described as a chance to exchange views with the vice president in a small, informal setting, said one invitee. The plans were changed to a session with Coelho — and a later reception with Gore — because of scheduling conflicts.

One environmental consultant who was solicited to raise the money said he was offended by the tactic of offering a meeting with Gore on the condition that he come with checks in hand.

"And by the way, it's \$5,000 a pop," this consultant said, describing the call.

Republicans Attempt To Discredit Reform Party Courting Buchanan

By Thomas B. Edsall
THE WASHINGTON POST

Key Republican and conservative leaders have initiated a full-scale assault on Patrick J. Buchanan in an effort to discredit the renegade candidate who fractured the GOP in 1992 and 1996 and now threatens to bolt to the Reform Party.

Presidential rivals John McCain and Elizabeth Dole, along with Steve Forbes' campaign manager, declared Buchanan has placed himself far outside the acceptable boundaries of American politics with this week's publication of "A Republic, Not an Empire." His book questions the timing of the U.S. entry into World War II and the nation's participation in the battle to defeat Adolf Hitler.

"I am appalled by Pat Buchanan's comments. I not only

disagree strongly with his analysis of history, I believe his comments are grossly insensitive to those Americans who gave their lives and those veterans who fought and suffered greatly to preserve freedom in the world," Dole said in a statement.

Forbes' campaign manager, Bill Dal Col, described Buchanan's arguments as "outrageous." Buchanan's questioning of the U.S. entry into the war "is out of bounds," he said. "We had an obligation to destroy the most evil man the world had known to date."

Texas Gov. George W. Bush, who leads the GOP race in the polls and in fund-raising, declined Thursday to comment on the controversy.

For the past week, even as Buchanan has openly flirted with the Reform Party, the controversy

has dominated all his numerous appearances on television talk shows. In the book, Buchanan makes a complex argument that covers the history of U.S. foreign policy and offers an analysis about World War II that lends itself to inflammatory interpretation.

He argues that in the latter part of 1941, Germany under Hitler was preoccupied on the Russian front and represented no threat to the United States. He accuses President Franklin Roosevelt of deceitfully encouraging pro-war and anti-German sentiment. Buchanan implies, but does not explicitly state, that the United States could have either avoided or postponed entry into the conflict. He strongly endorses the America First movement that opposed U.S. intervention in World War II.

Lockheed Martin Corp. Considers Downsizing to Improve Finances

THE WASHINGTON POST

WASHINGTON

The board of directors of Lockheed Martin Corp. met Thursday to consider shedding businesses worth at least \$1 billion and removing at least one layer of top management at the suburban Bethesda, Md., aerospace giant.

Company officials refused comment on the options under review, but sources said one possibility is selling a portion of the company's suburban Manassas, Va.-based space and electronics unit. The business makes radiation-resistant computers for use in space and is part of a larger unit that employs 900 people. The other part of the operation, which has about 800 workers involved in undersea-warfare technology for the Navy, is not believed to be on the block.

The board meeting was the final step in a previously announced plan to get the troubled company back on track. For more than a year now, the \$26 billion company has been struggling with earnings shortfalls, losses of key Pentagon contracts and the departure of a top executive.

Lockheed chief executive Vance Coffman has vowed to restore the company's credibility with Wall Street, which was shattered last fall when he surprised analysts by announcing the company would fail to meet earnings predictions, barely weeks after it had said it would.

EarthLink, MindSpring to Merge

LOS ANGELES TIMES

In a surprise alliance that creates the United States' No. 2 Internet access provider, EarthLink Network of Pasadena, Calif., agreed Thursday to merge with Atlanta-based MindSpring Enterprises in a deal that is expected to accelerate the deployment of high-speed Internet services.

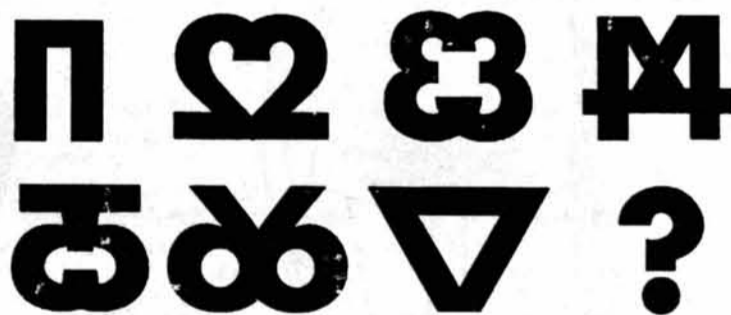
The combination will create a \$3.9 billion company and catapult EarthLink — as it will be known — ahead of Internet access providers CompuServe, Microsoft Network and AT&T's WorldNet service, as well as fast-growing upstarts like Westlake Village-based NetZero that offer free Internet access.

But with 2.8 million customers, the new EarthLink will still be far behind industry leader America Online, whose nearly 18 million customers make up approximately half of the Internet population.

Executives from EarthLink and MindSpring said the merger will improve their chances of catching up because the companies will grow faster together than they would have on their own. For instance, they have already planned a \$300 million advertising campaign that they expect to help them reach the 5 million subscriber mark by the end of next year.

Analysts said the merger is likely to be followed by others as Internet service providers scramble to keep up with AOL. The bigger the ISPs are, the better their chances of rolling out expensive broadband services like digital subscriber line and cable modem access.

The deal is structured as a merger of equals, with shareholders from EarthLink and MindSpring owning equal parts of the new company. The headquarters will move to Atlanta, but none of EarthLink's 2,010 employees will lose their jobs or be forced to move. EarthLink Chief Executive Garry Betty, who will remain CEO of the new company, will continue to work out of Pasadena even though Atlanta is his hometown and he maintains a house there.



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Johnson Athletic Center & Rockwell Cage

10/1 - Resume Drop Deadline
Submit Through JobTrak

10/14 - Information Session, 6:00 - 8:00 pm
University Park Hotel

10/15 - Interviews On Campus
Sign Up Through InterviewTrak



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Ending the Blame Game

Guest Column
Greg Donaldson

I was hit by a deluge of contrasting emotions upon reading the recent letter by John Muir Kumph G ["Stopping the Suicide Problem," Sep. 21]. But one thing was clear to me: despite all that has happened at MIT in the four years that I have been here, many are still hesitant to place responsibility where many others know that it belongs.

And I was also absolutely shocked at what I saw to be rather large holes in Kumph's letter. Where to start? Well, my first thought involves this statement: "With a bag over his head, either foul play or suicide is the cause." This statement reveals naivete on Kumph's part. Foul play? What could this "foul play" have possibly been? I can almost guarantee that Guy placed the bag on his head himself.

That idea, however, led Kumph to foolishly conclude that the death was a suicide. Although this could be a manner in which to commit suicide, I can't help but think that if suicide was the desired result, then a different method would have been utilized. Another possibility is that Kumph is using the term "suicide" far too loosely.

Kumph then uses this to lead into a tirade about how it is in fact MIT and the MIT "experience" that is somehow largely responsible. He states that the MIT administration and society "blame drugs." It has largely been my experience that in many cases MIT is more understanding than many colleges with regard to problems of a personal nature. So not only do I not think that this is the case, I have a much better idea.

Blame the person who knew the risks and ingested the drugs. There are those users who do have this "self-destructive behavior" of which Kumph speaks, but there are many who do not and use drugs anyway. Saying that the use of drugs and alcohol are somehow based in the absence of self-esteem does not give the user enough credit or bestow on the user enough responsibility. It is like blaming a murderer's awful childhood. I believe that "nurture" is a major contributor. But there are those with worse self esteem who do use drugs. There are those with greater self esteem who use drugs more often and even more recklessly. So clearly this is not the whole story.

To say that Susan Mosher '99 and Rene Ruiz '99 are "implicated" in Guy's death is quite a stretch. The layman who is reading the paper casually makes a connection between the two events. It seems to me that the two were not charged because of Guy's death. They were charged because a slew of illegal substances was found in their possession. These substances were found when the room was searched, the room in which Guy died. Was a search of that room unreasonable? Of course not. The police were not trying to find a "scapegoat" for Guy's death, they were merely doing what they should have been doing. This is not "two-faced double talk." Drugs were found. Charges were laid. Hardly a big conspiracy to make someone responsible.

I do not think that Ruiz and Mosher are responsible for Guy's death, but they are responsible for drugs found in their possession. Whether or not the two are "victims" in this case depends on whether or not one thinks that the current drug laws are fair. I believe that the current ones are rather unfair, and that the sentences are also rather steep. But despite this, I know the risks involved with possessing illegal substances, as did Ruiz and Mosher. They took these risks. Perhaps it is a shame and a tragedy that they were "caught." It is certainly a tragedy that their lives will be "ruined" by these charges, but once again, they did know the risks.

In the future, let's hold people accountable for their actions. Blaming the "atmosphere" at MIT is too easy. It is just putting the scapegoat hat on someone else's head. The death of Guy is certainly a tragic occurrence, and I apologize to any of his friends who may be hurt by my statements; that is absolutely not my intent. I also apologize to Ruiz and Mosher; despite how this letter may seem, I am wishing for the best for you.

Like Kumph, I too will close with a cliché: "If you play with fire, you get burned." And I've decided that I really don't like clichés.

Greg Donaldson is a member of the Class of 2000.

Clearing Up Creation

Kansas School Board Decision Not the End of Evolution in Classrooms

Guest Column
Glenn McMillon, Jr.

In Tuesday's issue of *The Tech*, Kris Schnee wrote a column entitled "A Bridge to the 11th Century." In it, Schnee writes about the new Kansas School Board decision to reform the curriculum with regard to evolution. Schnee is under the assumption that the Kansas proposal encourages teachers to "attack the theory of evolution," and refers to the decision as "a setback for common sense and for the children of Kansas." Nothing could be further from the truth.

In actuality, the Kansas Board of Education has not removed the teaching of evolution from its curriculum. As pointed out by an August 18 article published by the web site Answers in Genesis: "...standard 3 in the 'Life Sciences' section of the new [Kansas] standards states: 'As a result of their activities in grades 9-12, all students should develop an understanding of... biological evolution.' Evolution is also mentioned in many other sections of the standards. Students are expected to know evolution as it relates to adaptation, natural selection, genetic drift, and mutations."

The new standards (which can now be seen online at <http://www.ksbe.state.ks.us>) also do not prohibit testing on evolution, as suggested by the opening statement of Schnee's column. It only states that state-wide standardized tests will not specifically test evolution.

Schnee also shows his lack of understanding on this subject by saying that "Creationism is not a scientific theory." This is also absolutely false. Creation Science is

just as much a science as Evolution Science is — although neither is technically 'science' because it is impossible to repeat, observe, or measure either one. It is true that there is much evidence to support the theory of evolution, but it is also true that there is just as much, if not more, evidence in support of creation as well. This is exactly the point that the Kansas School Board is trying to make. It is not fair to teach evolution as a fact when there is an equally valid scientific theory in opposition to it.

Schnee suggests in his column that this is simply a case of religion on one side and science on the other. That is not the case. There are a good number of religious organizations that support the theory of evolution and there are a good number of scientists who support creation, many of whom are in the same fields that Schnee lists as being opposed to creation. Indeed, many of the most famous scientists in history — including Joule, Mendel, Pasteur, Lister, Carver, and many others before and after Darwin — were creationists.

Clearly, Schnee's point of view is a misrepresentation of the facts of this issue. The fact is that creation is no more "contradicted by the evidence" than evolution is. For example, evolutionists argue that fossils are evidence of the evolutionary theory, but these fossils are actually quite inconclusive. Depending on conditions, some fossils take a long time to form, but under different conditions it has been shown that fossils can form in a very short amount of time. Evolution also claims that birds evolved from reptiles, but this was challenged by experts at Oregon State University (in the October 24, 1997 issue of *Science*) and oth-

ers (in the February 1998 issue of *Scientific American*) who say that there is no way the complex lung of even the simplest bird could evolve from the lungs of dinosaurs or any other reptile.

These hypotheses, and other Creation Science evidence, are not currently taught in schools, but can be seen online at <http://www.answersingenesis.org> and <http://www.trueorigin.org>, among other sites. This is a two-sided issue, and it is a disservice to our children to teach them otherwise.

Schnee claims that the new standards will cause children to "be hindered in learning the knowledge and critical thinking skills they will need." This is the exact opposite of what the new standards will actually do. Students cannot learn to think critically about this subject if they only hear one side of the argument. The new standards will, potentially, allow students to be exposed to both sides of the issue and then decide for themselves, based on the evidence presented by both, which one is the most valid. Is this not the true meaning of critical thinking?

Schnee admits "if schools are to teach science they must teach about evidence and rationality, without ignoring any issue." This is exactly what the Kansas school board is finally allowing its public schools to do. The Kansas School Board's new standards are not an attempt to remove evolution from schools. At the most, they are merely an allowance for an equally valid theory to be taught alongside it. If evolutionists are opposed to that, are they not the ones ignoring the issues?

Glenn McMillon, Jr. is a member of the Class of 2003.

Dine In, Dine Out, Dine Often

Veena Thomas

Returning to school, it was a shock that I would have to endure three more years of cafeteria food. I didn't think I really had other options. After all, the dining halls were conveniently located, and it didn't take much time and effort to eat in them.

I was a little wary of the system last year. I typically ordered the "meal deal," an entree, three sides, and a fountain drink for \$6.50. It was second semester before I realized that I could never finish that much food.

I also decided to avoid soda. Instead, I would order the entree, one or two sides, and a bottle of iced tea. Surprisingly, this often ended up being more expensive than the meal deal. I couldn't believe I would be spending eight dollars on dinner in a cafeteria.

But we all know the power of the MIT card. It's a commonly held, though false, belief that money spent on the card doesn't actually count. No one ever actually sees it and your parents get the bill. Money spent on the card hurts far less than money coming from your wallet.

The first time I ate at a dining hall this year, I was suddenly reminded that I had forgotten to put money on my MIT account. Out came eight dollars from my wallet. Ouch. Eight dollars? What was I thinking? The amount and quality of food did not justify the price.

Then it occurred to me... I didn't have to eat in the dining halls. I realized how great our pay-as-you-go system is. We don't have to eat on campus if we don't want to, and we are free to find other options without worrying about wasting money.

The Tech ran an article a few weeks ago about dining options ["Variety of Food

Options Available for Students," August 31]. I always knew that other options existed, but somehow I didn't really believe that they applied to me.

When everyone that you know eats in the dining halls, you do too. But for the past few weeks, I've broken free of that and found other means of eating.

The food trucks on campus are an extremely cheap, delicious, and easy way of eating, especially for lunch. Last year I was hesitant to try them, since I had never heard of food trucks before and I wasn't sure about the quality of the food.

But once I did try them, I was astounded by how great they were. At the Gooseberry's truck, I could get a whole plate of Chinese food for three dollars, the same amount which elsewhere could cost

me double of that.

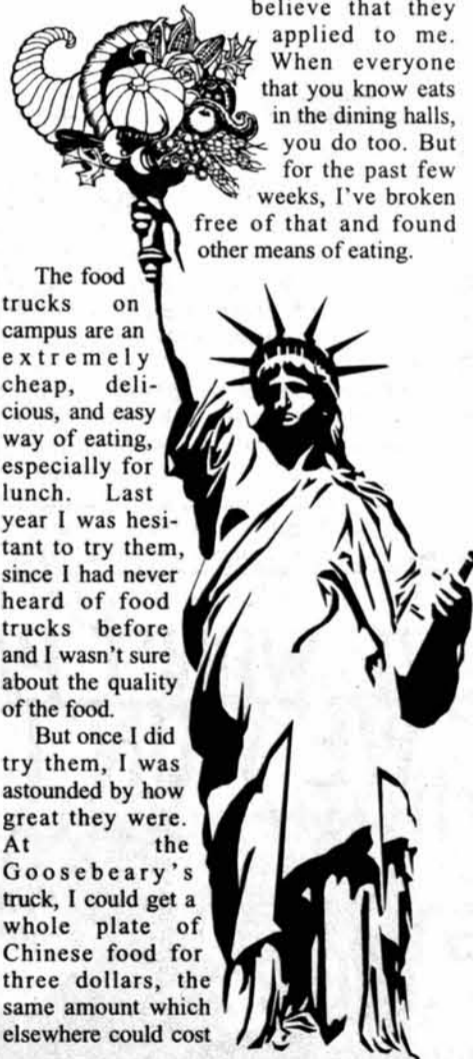
The falafel truck on Mass. Ave. has an infinitely better falafel than the ones Walker had last year, and I love the truck's baba ganouj sandwiches, which are healthy and a steal at \$2.

Cooking is another money-saving option, one that I wish I had seriously considered sooner. I had always thought that cooking would be an elaborate, time-consuming process that I would have to repeat every night, leaving me no time to study. But it doesn't have to be like that at all. You don't need to be Martha Stewart to cook for yourself. Grocery stores sell Rice-a-Roni and other rice or pasta mixes in a box that hardly cost anything; you can boil them even as you are doing something else. There's no need to wait around.

You will almost certainly have leftovers, eliminating the need to cook for a few days.

And for people willing to undertake advanced cooking, there's Star Market. The only problem with Star can be carrying groceries home. However, Homeruns is a service that will deliver your grocery order for free with a \$60 minimum offer, which is easier to make with a group. (There are other, similar delivery services too.)

Don't fall into the same mindset that I did, where I would rather have spent more money on the MIT Card than paid with real money. This is the mindset perpetuated by MIT students. But, believe it or not, that is still real money you're spending. Not satisfied by your dining hall experience? Do something about it. Send a message to MIT that you do not need to succumb to the Aramark monopoly. You have a right to be happy, and happiness does not include frowning over your lunch break at the overpriced slop that is supposed to be macaroni and cheese. You do have a choice.



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THE ARTS

FILM REVIEW

American Beauty

Metaphorical overkill

By Vladimir Zelevinsky
ARTS EDITOR

Directed by Sam Mendes

Written by Alan Ball

With Kevin Spacey, Annette Bening, Thora Birch, Wes Bentley, Mena Suvari, Chris Cooper

DreamWorks seems to be learning lessons — but they're entirely the wrong kind of lessons. After some early good-to-middling films doing good-to-middling business, it seems that the strategy should be simple: make better movies. Instead, they seem to be just making better hype, while the quality of their movies just went down the drain. *American Beauty* comes with an aura of dazzlingly positive reviews — which, I presume, simply reflects the film critics' thirst for something original, irrespective of quality. There is not much quality to be witnessed in this film: it's not the worst movie I've seen this year, but it's decidedly the most annoying.

On the other hand, maybe even the word original is too generous. Other than the film's tone — a deadpan black tragicomedy — there's nothing remotely original there. Even the storyline can be, in true Hollywood fashion, summarized as a combination of two recent films: *Office Space* and *American Pie*. I realize I'm comparing a film which is ostensibly a work of art to two unabashedly simplistic pop comedies. The thing is, *American Beauty* is a laughable failure as a work of art, being pretentious, simplistic and self-important.

The story centers on Lester Burnham (Kevin Spacey), who has an eye-opening encounter. Saddled with a soul-sucking job, a shrill wife Carolyn (Annette Bening), and a sullen daughter Jane (Thora Birch), he encounters a vision of grace and loveliness: his daughter's cheerleader friend Angela (Mena Suvari). Instantly lust-smitten, Lester looks at his life and decides to live it the way he wants to: he quits his job, starts smoking pot, and begins working out in a persistent hope to impress Angela.

The start of the movie is rather rocky; for every subversively impressive bit (like Lester's opening narration in the shower), there's a scene that is vague, undercooked, and goes on for entirely too long (like Lester's first encounter with Angela). More damaging, though, is the lack of strong dramatic contours: whatever you might think of a ludicrous hypnosis scene in *Office Space*, at least it provided a sorely needed plot point and a character cusp. There's no such moment in *American Beauty*; things just happen, and there's very little tonal difference in cinematic language to propel the story along. It's also painfully obvious: for example, the teenage temptress's last name is Haze — as in Lolita Haze.

Kevin Spacey, giving yet another brilliant performance, is the best thing about the film. I'm looking forward to cheer him on when Oscars are announced, because I'm sure he'll get nominated. This nomination will surely be in the wrong category, not that this will be a first for him: Spacey won his first Oscar as a supporting actor, while his part in *The Usual Suspects* was clearly a lead. Here, vice versa, he's certain to be nominated as a lead actor, although his part is disappointingly small. Never mind, though; this is a great performance, and what's great about his performance is his amazing versatility: Lester is hilarious and dead serious at the same time, simultaneously a comic and tragic figure.

Unfortunately, the film loses Spacey's character somewhere in the middle. He appears every now and then, but he stops being the focus of the narrative. Instead, the story starts to get bloated and dissipates in all directions. Entirely too much attention is spent on Carolyn dealing with her work as a real-estate agent and Jane dealing with her painful lack of self security.

All of the characters are nothing but lazily drawn caricatures who don't behave believably. Here's a simple quiz for you. Imagine you're a teen female, and a guy moves in next door. Very soon, you notice he's stalking you: spying under the cover of darkness and filming you with a hand-held camcorder. Soon, you learn that he was just released from a mental institution and that he likes to film dead pigeons for fun. In addition, you learn that he's a professional drug dealer. The question is, what do you do? If you (a) try to keep

away from him, then you lose — you're merely a human being. If, on the other hand, you (b) go and sleep with him, then you win — you are a character in a Hollywood film!

American Beauty's tortured metaphors and plot twists fail to give substance to these poorly developed characters, but instead end up pointlessly morphing one caricature into another. Even worse, almost every plot thread is a red herring intended to distract the viewer from the fact that nothing much is going on.

The acting in the film is also poor. Other than Kevin Spacey and an occasional flash of fire from Mena Suvari, it's simply painful to watch the actors. Thora Birch ends up being a poor person's Christina Ricci; Wes Bentley as the weirdo next door and Chris Cooper as his father are sullen; and Annette Bening is even worse. Bening is a great actress; she has such an amazing gift of mimicry that it's frequently hard to even recognize her. This is also the case here: she delves into Carolyn Burnham with complete commitment and concentration. But the thing is, her character is intensely annoying; therefore, each second she was on screen, I felt like I was listening to the loud sound of fingernails screeching on the blackboard.

All of these problems make *American Beauty* even worse than it sounds. This movie

STAGE REVIEW

We Won't Pay! We Won't Pay!

A quest for food

By Vladimir Zelevinsky
ARTS EDITOR

Written by Dario Fo

Directed by Andrei Belgrader

With Marisa Tomei, Thomas Derrah, Will LeBow, Caroline Hall, Ken Cheeseman
At American Repertoire Theatre through October 5

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It would be nice to have a slapstick comedy that was actually about something, a mad-cap farce with a point, a play where the laughter and meaning would be so tightly integrated that it would be impossible to tell where one ends and the other begins. *We Won't Pay! We Won't Pay!*, however, is not such a play. The current American Repertoire Theatre production, written by Dario Fo (the winner of 1998 Nobel Prize in Literature) and starring, as a part of its small ensemble cast,



LOREY SEBASTIAN—DREAMWORKS PICTURES

Lester Burton (Kevin Spacey) is enjoying the changes he has made in his life, to the complete exasperation of his wife Carolyn (Annette Bening).

is precisely about looking underneath the surfaces to discover inner beauty. Unfortunately, this is accomplished with such a stunning lack of subtlety that it's shockingly disconcerting. Nothing annoys me quite as much as the condescending attitude on the part of filmmakers — and it's present in spades in *American Beauty*.

For all its ambitions, when it works, it does so only on the immediate level (excepting

Spacey's great performance). This is a movie which wants to talk about inner beauty — and accomplishes it by the means of being insultingly obvious and forced, and by giving both teen actresses topless scenes. So we have this: a high-minded philosophical-wannabe movie, which succeeds only as a mediocre softcore flick.

Oscar-winner Marisa Tomei, it is consistently amusing — and nothing more. When it tries to be funny, it usually succeeds, to a modest degree. When it tries to make a point, it frequently does so, with commendable lucidity, although it falls too much on the preachy side. But the connections between these two aspects of the play are so tenuous that the transitions from laughter to sociology feel abrupt and forced, tearing the play apart at its seams.

Fo's comedy, both written and set in 1970s Italy, is about a time when inflation was rampant, prices increased daily, and the working classes were getting more and more hungry — both literally, for food, and metaphorically, for change. The tempers flare; the supermarkets are looted; the police search houses for stolen food. Enterprising Antonia (Marisa Tomei) is soon faced with the problem of hiding all this newly acquired food, which is now merely incriminating evidence. Some of the loot goes under the bed; some (the less edible part of it, like canary seed) is fed to her rather dense husband Giovanni (Thomas Derrah). The rest is donated to Antonia's friend, Margherita (Caroline Hall), who carries it under her dress, suddenly looking pregnant. Soon, the two women are forced to maintain their elaborate charade in the face of Giovanni, Margherita's husband Luigi (Ken Cheeseman), and several representatives of the law (all played by Will LeBow). Hilarity ensues.

Frankly speaking, "hilarity" is probably too strong a word; I laughed aloud only here and there, since the characters' antics rarely become truly inspired. Most of the time, the play proceeds along, being consistently amusing, but the jokes almost never form a cascading avalanche of gags, with each building on a previous one.

The main suspect here is the lack of comic timing: *We Won't Pay!* generally feels slow, with almost each gag being obvious long before the punch line (some gags take over an hour to develop). Numerous scenes require that the characters behave like particularly dim bulbs, paying a lot of attention to their environment and yet fastidiously missing what's directly in front of them. A similar (related) problem is that the events generally proceed too slowly.

Usually, it's the director who's to blame for the pacing problems, but in this case I believe the fault lies with the play. There're just entirely too few events in the play, and entirely too much dialogue surrounding them. However fast the actors are directed to deliver dialogue, and however inventive the stage actions are, there's no hiding the fact that it takes quite a bit of time between the moments when something actually happens.

In general, the direction seems to be working better than the script. The most amazing moments are the first and the last five minutes. In the beginning, a faux lounge singer shifts from "Fly Me to the Moon" to "Our Love is Here to Stay" to "Santa Lucia" — thus, smoothly moving the ambience from the America of today to the America of the past to the Italy of the past. This transition is crowned by a neat gag involving a model of a Leaning Tower of Pisa on stage. The ending is equally an eyefull, being loose, inventive, and funny, and the fact that it doesn't have much to do with the rest of the play is not detrimental in the least.

The rest of the direction is adequate, once in a while producing a small comic gem. When director Andrei Belgrader directs Shakespeare as postmodern circus, it is hit and miss; but this approach works very well in a light comedy.

The cast works fine, and Tomei's heavily advertised part is merely a piece of an ensemble cast, out of which nobody in particular stands out. The reason for this is probably that there are no real characters on the stage to speak of: all of them are mutually indistinguishable stick figures, used merely to advance the plot (the only character distinction is the gender one, and I think it's there only because it's essential to the plot). One possible exception is Will LeBow, who not only plays four characters, but also manages to imbue them with at least some character traits.

The only real distractions are extended, earnest, where-did-this-come-from? speeches that some of the characters deliver. It's hard to argue with Fo's philosophy here, but I dearly wish that he dramatized his subtext rather than had it delivered explicitly. The result is that his story and his meaning are fighting — instead of supporting — each other.

**WE WON'T PAY!
WE WON'T PAY!**



a side-splitting farce by Dario Fo
Winner of the 1998 Nobel Prize
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ALBUM REVIEW

Death in Vegas

The Contino Sessions

By Daniel J. Katz

STAFF WRITER

For the most part, electronic music is divided into two groups: music where there's a lot to listen to, and fast-paced dance music where there's very little to listen to. DJ Richard Fearless and Tim Holmes, aka Death In Vegas, have just released an album that doesn't really fit into either group; it's not very active, it's not very dynamic, and in fact, it doesn't even sound particularly electronic. *The Contino Sessions*, which takes its name from the studio where most of the mixing was done, is an eclectic composition of blues, trip-hop, rock, and other musical mentalities that impresses at first, but simply doesn't hold up as well as it should over repeated listenings.

Most of the songs on *The Contino Sessions* seem to be based on neat initial concepts, some of which are carried out remarkably well. The current single, "Aisha," features an infectious guitar groove, and a dark foreboding voice giving cryptic twisted warnings like, "I keep a portrait on the wall / he's a serial killer / I thought he wouldn't escape / Aisha, he got out ... " Without checking the liner notes, you would have no idea that the guest murderer is none other than Iggy Pop. Other guests on the album include Jim Reid of Jesus and Mary Chain, whose throaty voice enhances the eerie "Broken Little Sister," and Bobby Gillespie from Primal Scream, who found time to appear on the new Chemical Brothers album and still write and sing the inane lyrics to "Soul Auctioneer." (Yes, that is a cool name. Unfortunately, the name is the highlight of the song.)

"Dirge" provides another high point on the CD, opening with a jangly lone guitar and calm female voice, both of which continue through the track only to be swallowed up and buried by pounding drums, driving bass, and screeching synthesizers. Silence and sounds of the wind are utilized a lot on the album, giving much of the music a feeling of isolation. This effect is best achieved near the beginning of the third track, where the wind itself seems to be bent and remixed into electronic whirrs until it finally vanishes, ushering in "Death Threat," another of the better songs on the album. The problem with these songs is that, although they have an interesting sound at first, nothing really happens as they progress, so once you know the routine, the spark is gone.

Other tracks just seem altogether misconceived. The bluesy "Aladdin's Story" is surprisingly upbeat in tone for a Death In Vegas song, but its guitar-saxophone call and answer gets old and repetitive long before the London Community Gospel Choir arrives to sing,

"Nobody knows the trouble I've seen." The closing track, "Neptune City," is rather anticlimactic; it has a restrained, gradually building feel to it that makes it sound like it should be followed by something big. Instead, everything simply ends. And it ends pretty quickly; while the album's nine tracks take up almost fifty minutes of music, their long repetitive nature and lack of variety makes the CD seem much longer than it actually is.

Death In Vegas try some really neat things on *The Contino Sessions*, as they did on their debut album, *Dead Elvis*. Unfortunately, on this album, their efforts aren't consistent enough to produce an album that I can wholeheartedly recommend. While songs like "Dirge" and "Aisha" are well worth hearing, this disc is likely to see a lot more shelf time than stereo time. If you manage to find a friend who actually has *The Contino Sessions*, borrow it before you buy it.

CONCERT REVIEW

Chemical Brothers at the Avalon

Simply intense

By Daniel J. Katz

STAFF WRITER

Many people balk at the idea of going to a concert to see DJs. What's the point of watching something live which is essentially recorded? Anyone under this impression should have been in attendance at the Avalon on September 14th, when the Chemical Brothers opened their first wide-scale American tour in years. Despite advertising a 7pm door time and an 8pm start time the Avalon provided a mediocre house DJ who worked the stage until shortly after 9. To his credit, some of the material near the end of his set was pretty decent, but at that point, the bored crowd was ready to shove his records down his throat.

All was forgiven, however, as the Chemical Brothers took the stage. The Chemicals are probably the most enthusiastic performers in electronic music, jumping around the stage, shouting to the crowd, and raising their hands in triumph with staggering frequency. As songs were mixed together, there were no breaks to chat with the audience, just mind-blowing rhythms from start to finish. The duo opened with the same four songs that appeared on their MTV "Live At Red Rocks" special, and they most likely played the same set, but in person, the music is a totally different experience. Beats and



melodies seem to surround you, and everybody moves around spasmodically regardless of whether or not they can actually dance (I confess the latter).

Several Chemicals tracks feature guest vocalists, and rather than carting lead singers from popular bands around with them, the duo recorded these vocals. Bernard Sumner of New Order got full mike time during a particularly long rendition of "Out of Control," but Noel Gallagher of Oasis was a bit shafted, as "Setting Sun" was performed in a chopped-up fashion that eliminated most of his singing, and "Let Forever Be" was surprisingly absent from the set list, considering its recent popularity. Other well-known tunes that made an appearance included the flawlessly executed (and even improved) "Block Rockin' Beats" and the frenetic opener, "Hey Boy Hey Girl."

A lot of neat lighting effects were employed, but the main visual attraction was a set of three video screens which featured various strange images pulsing with the music: silhouettes of a man carrying out various actions, angry advancing armies of robots, mathematical equations (I felt like such an MIT student when I realized they were all laws for electric circuits) and a sunrise which occurred at one of the few slow expansive moments, only to explode into a rainstorm of drums. Even "Song of the

Siren," to me one of the most irritating of the Chemical Brothers' songs, was enhanced by pictures of starbursts and bright lights that made the shrill siren noises seem like they belonged.

After a brief break from the stage, the Chemicals returned to their fans for a rendition of "The Private Psychedelic Reel" (which was apparently requested, because Tom Rowlands looked at a fan in front and jokingly gave in, whining, "Oh, all right ... ") The church organ chords of the song, normally somewhat washed out by its other elements, were on at full blast, dominating the song and creating a piece that was not only rhythmically addictive, but which also had a grand, epic feel. As the pair finally left the stage to adulations, everyone in the audience waited, hoping for a second encore (the Avalon doesn't turn the lights on after a show; because it's a dance club, it never turns the lights on) but I was actually pleased that they went out with such an amazing closing.

The Chemical Brothers are not my favorite DJs in the world (that honor goes to the Propellerheads) but they have without question, the best live electronic show going. The music is enveloping, the light show is intense, the videos are thought-provoking, and it's incredibly easy to just lose yourself in the experience. Put on something shiny and check them out next time they come around.

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ABBOT GENSER—ARTISON ENTERTAINMENT

John Turturro is Tuccio, the resident playwright of a struggling New York City repertory company in Artison Entertainment's *Illuminata*. Turturro wrote and directed the film.

BOOK REVIEW

Hearts in Atlantis

Past into present

By Tzu-Malnn Chen

STAFF WRITER

In the author's note for *Hearts In Atlantis*, Stephen King writes: "Although it is difficult to believe, the sixties are not fictional; they actually happened." Well, duh, one might say — except did they, really? A person who grew up in the eighties and nineties, used to a dependable America, where the burgers are always cheap and the politicians always lie and nothing much ever really seems to change, might not really understand that there was a period of time when everything in America seemed to change. There was a time when the shining optimism left in the aftermath of the Second World War began to tarnish and when almost everybody felt betrayed by America not keeping promises.

It is this period of our history that King chooses to explore with his latest book, a non-horror collection of two novellas and three short stories. Each is separate from the others, yet they share common characters and events. It's not historical fiction, though; King deftly plays his strengths, letting the life of his characters reflect the times, telling history through people.

The first and strongest story, the novella "Low Men In Yellow Coats," is set in 1960. It follows the life of an eleven year-old boy, Bobby Garfield, as he lives through a summer that will change his life. When Ted Brautigan moves into the third floor of the house that Bobby and his mother are living in, Bobby strikes up a friendship with the old man. As Bobby grows closer to Ted, however, he learns that his new friend has one point of insanity — his fear of the otherworldly "low men in yellow coats."

"Low" here is used in a mental, and not physical, sense, indicating a coarseness and vulgarity of character. Disbelieving, Bobby disregards his friend's warnings in favor of his own problems, which include a sharp-tongued and domineering mother and a group of older boys who are trying to hunt him down to avenge an imagined slight. But then every aspect of his life flies apart, and Bobby is helpless to stop any of it. The older boys find him, the mother lets loose... and the low men in yellow coats come for Ted Brautigan.

"Low Men In Yellow Coats" is a story about betrayals: those inflicted by others and those inflicted by oneself. In the end, Bobby is forced into a bitter awakening of the fact that his mother is right: life really isn't fair.

The next novella, the weakest of the collection, is "Hearts In Atlantis," set six years later, in 1966. In it, a group of college freshmen become hooked on the game of Hearts, gambling a nickel a point and playing despite increasingly poor academic performance, with the shadowing threat of expulsion — and the draft. "Hearts In Atlantis" details an awakening of another sort — a group of young boys who become aware that they can't afford to play simple card games anymore, and that there is a much bigger, much wider game out there in the real world, which they will all be forced to play, whether they like it or not. The story is told with a point-to-point directness, with less complexity than "Low Men In Yellow Coats." As a result, "Hearts In Atlantis" feels simpler and less powerful.

The last three short stories, "Blind Willie," "Why We're In Vietnam," and "Heavenly Shades Of Night Are Falling," all take place in the eighties and nineties, and each relates the fate of one of Bobby's acquaintances — and that of Bobby himself. Blind Willie is Willie Shearman, one of the older boys who helped perpetrate a vicious act on one of Bobby's friends way back in 1960's. Having lived through Vietnam, Willie is now making penance for that act — and many others — in his own strange way. At night, he lives as a rich man, but during the day, he dresses as a blind homeless vet, begging for money, trying to atone for the sins of his past.

"Why We're In Vietnam" is a ghost story: one of Bobby's old friends, John Sullivan, is living in the nineties, when the death of one of his old army comrades brings past shades flooding back into his brain. And the final story, "Heavenly Shades Of Night Are Falling," comes full circle back to Bobby Garfield. In 1999, Bobby, now fifty, comes back to his childhood town, and finds old memories and old friends — and proof that the past can make way for the present, and that it is possible to move into the future to find redemption.

These five stories weave perfectly into each other; reading them as a whole lets one find a completeness that cannot be found by reading them one by one. As the lives of the characters unfold, one begins to finally understand what it might have been like to get sucked into the black maelstrom that was Vietnam — and what it might have been like to escape back into the light again.

FILM REVIEW

Illuminata

All the movie's a stage

By Zarminae Ansari

STAFF WRITER

Directed by John Turturro

Written by Brandon Cole and John Turturro
With John Turturro, Katherine Borowitz,
Christopher Walken, Susan Sarandon, Beverly
D'Angelo, Rufus Sewell

Illuminata is an elegant and beautiful cinematic experience, but its many seemingly meaningless and unresolved subplots are frustrating. The film is redeemed, however, by fantastic sets and costumes, some beautiful writing and literary references, and a wonderful cast of actors.

The story revolves around a theater company in turn-of-the-century Manhattan. The company is led by Tuccio (John Turturro), a writer, and his wife Rachel (Turturro's real-life wife Katherine Borowitz). Tuccio has just written the play *Illuminata*, and is trying to get it produced. The film *Illuminata* is a behind-the-scenes look at theater, and a comparison with *Shakespeare in Love* is almost inevitable.

Here, unlike *Shakespeare in Love*, the line between theater and reality is blurred to such an extent that one never knows if the actors are spouting theatrical dialogue to convey real emotion or if the playwright is using real life as inspiration for his play: on a few occasions

the actors admit to the plagiarism of emotion in "real life."

The question is, What is real? All the world's a stage here, and all the characters seem to be more than aware of that. The interplays in the movie (the farcical elements with real pathos, the essence of theater, and essential truths about human relationship) are fascinating.

Among some of the unusual techniques used in this film are beautifully crafted puppets that introduce the different acts and scenes of the film. A particularly memorable scene occurs when Tuccio tensely observes the reaction of the critics after his new play. Suddenly, the characters burst into song — showing us Tuccio's imagination at work — and just as suddenly return to their original positions.

Illuminata has a talented cast, but the only actor who is really able to see his character through is Christopher Walken, who played the eccentric and flamboyant critic Bevalacqua with a strong Italian accent.

The film is disappointing in its lack of plot resolution, underdeveloped characters, and the wasted talent of a fabulous cast. Scenes and subplots seem to be randomly strewn together and are not tied up even to the end, leaving one with a sense of great dissatisfaction. Not seeing the story and characters through was this otherwise beautiful and interesting movie's biggest flaw.

MUSIC REVIEW

State of the Airwaves

Carlos, Chemicals, and concerts for collegiates

By Daniel J. Katz

STAFF WRITER

Remember music's last Super Tuesday? There was a Tuesday last year that featured new releases by Mariah Carey, Jewel, Whitney Houston, Garth Brooks, The Offspring, and other major artists, making for one of the highest-grossing days of music sales in history. Well, the alternative music neglected in the event has quietly assembled its own Super Tuesday... three days ago, music fans received highly anticipated releases by Nine Inch Nails, Tori Amos, Creed, Chris Cornell, and Stereolab, among others. Even other countries got into the act, as the new album from north-of-the-border megastars Our Lady Peace hit Canadian stores. Nine Inch Nails and Our Lady Peace can be expected to reign as number one this week in their respective countries, and Tori Amos may crack the top 10, but don't look for Creed or Cornell (much less French art-poppers Stereolab) to make a huge dent on the Billboards. Nine Inch Nails did premiere a video on MTV earlier this week for "We're In This Together," which introduces the terrifying concept of seeing Carson Daly and Trent Reznor regularly on the same TV show.

Latest sign of the apocalypse: a decent single by Bush. For a while, I thought "Greedy Fly" was as good as they get... in reality, it's almost as good as they get. "The Chemicals Between Us" has a sleek industrial sound going for it (perhaps influenced by the band's *Deconstruction* remix album), and a catchy tune, but at its heart nothing's really that new — most Bush songs sound like overblown British retreads of Nirvana songs. This one sounds like Gravity Kills helping out on an overblown British retread of a Nirvana song. (I haven't decided which one... but does it really matter?)

Lots of discounted concerts for college students to consider this weekend. The Hynes Convention center hosts WFNX-sponsored College Fest at the Hynes Convention Center on Saturday and Sunday featuring, among others, hardcore punksters Face To Face, funk-rock-rappers Shootyz Groove, local favorites Gravel Pit, and New England indie-poppers The Angry Salad. (Have I ever mentioned I love "The Milkshake Song"? It makes me feel all warm and squishy inside.) The event's more of a convention than a concert, although according to the ad in *The Tech*, it offers "great hookup potential." Take care of that on Saturday, and on Sunday, drop by the BankBoston Pavilion, for WBCN's grossly inaccurately named

College Rave. A multifaceted lineup of Ben Folds Five, G. Love, and Buckcherry almost makes up for headliners 311. Like I said last week, leave early.

What's the current Family Values lineup up to? Limp Bizkit's "Rearranged" has the same old muddy rap-metal futility. Thumbs down. Filter? "Take A Picture" is a surprisingly restrained and ballad-like song from the screaming industrialists. Thumbs up. It's a shame Limp Bizkit are so buddy-buddy with tour organizers Korn — a huge improvement could be made to the bill by replacing them with sharper, neo-metal band Static-X, whose newest effort, "Push It," rolls in at high speed, and rolls out again without ever letting up. News flash: you can be hardcore without incorporating that ever so necessary hip-hop edge. (I'd better go brace myself for backlash from the Limp Bizkit fans.)

All hail the psychic power of Carlos Santana. Working with creative visionaries like Lauryn Hill and Dave Matthews is a no-brainer, but I'll bet a lot of older folks at Arista gave Carlos a funny look when he suggested borrowing the vocal talents of Everlast and Matchbox 20 frontman Rob Thomas on his latest album. Who knew that "Put Your Lights On" would finally provide the skilled guitar playing that complements Everlast's dirty soul mentality? And who knew "Smooth" would strip away Thomas's cutesy-pop image and reveal that, deep down, the guy has a quality voice? Usually, the collaboration between contemporary artist and legend is a comical failure (think Puff Daddy and Jimmy Page) but Santana beats the odds on these latest singles.

And finally, I head into musical activist mode for a moment. I caught Orbit in concert last Friday, and although it was a fabulous show, it was a little depressing. Here's a Boston band that pulled off some national airplay with "Medicine" and "Bicycle Song," started to develop a promising career, got screwed over by their record label while trying to release a follow-up, and are now relegated to a 12pm slot on the Middle East's claustrophobic upstairs stage. Support a good cause and entertain yourself at the same time; pick up Orbit's first album, *Libido Speedway*, watch for local shows, and help this band get back into the public eye where they belong.

You may have noticed I'm trying to morph Airwaves into a more universal rock music column, covering live and local stuff as well as national MTV/radio airplay. Like it? Hate it? Talk to me. Throw a bone to <airwaves@the-tech.mit.edu>. That said, 'til next week, keep expanding your horizons.

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THEATER REVIEW

Mrs. Warren's Profession

*Too little, too late*By **Bence Olveczky**

ASSOCIATE ARTS EDITOR

Written by George Bernard Shaw

Directed by Michael Bloom

With Mariette Hartley, Kate Goehring, Jared Reed, J. Michael Flynn, Jordan Charney, Munson Hicks

At the Huntington Theatre through Oct. 10

Tickets \$10-\$52

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Americans have always had a soft spot for George Bernard Shaw and the eminently quotable Nobel laureate knew as much. "They adore me and will go on adoring me until I say something nice about them," he once uttered. I fear he never did endorse anything American, and had he seen Huntington Theatre's dull and disappointing production of *Mrs. Warren's Profession* — one of his best plays — he would have kept his stance even more religiously.

Penned in 1893 in a predominantly puritan Britain, Shaw's play examines the social and economic roots of a woman's "immoral" behavior. It centers around Mrs. Warren, a businesslike woman, who cultivates the world's oldest profession with utmost secrecy. Rather than becoming a poor factory worker in newly industrialized England, she manages to escape her low class and join the social elite. She is even able to send her illegitimate daughter to study at Cambridge University.

When the play starts, Vivie Warren — self-confident, high-spirited, and oblivious of her mother's profession — has just returned home from Cambridge with high honors. She is pondering her future while also trying to find a good match among the string of suitors that surround her. Curious and critical, Vivie soon learns about her mother's past, and as the truth sinks in, her attitude and outlook on life change dramatically. She distances herself

from her mother, and chooses to be "permanently single and permanently unromantic."

The play was banned in Britain for more than 30 years due to its failure to condemn Mrs. Warren and her profession. Today, its shock value is all gone, yet the play has lost none of its importance. Great plays age well, and *Mrs. Warren's Profession* raises issues and questions that are as pertinent today as they were a hundred years ago: Can economic and social factors foster immoral people? And if so, does society have the right to reject them? And more specifically: has Vivie the right to condemn her own mother? Is wealth and social status more important than personal integrity? And what exactly does "personal integrity" mean? While remaining critical of capitalism and moral hypocrisy throughout the play, Shaw provides no clear-cut answers to these questions, leaving us to ponder their relevance long after the play has finished.

Unfortunately, director Michael Bloom doesn't match Shaw's genius, and he fails to provide this rich and multi-layered play with the invigorating staging it so clearly deserves. Bloom decided not to make a naturalistic production out of Shaw's naturalistic play, but having discarded the obvious and traditional interpretation, he has failed to replace it with anything coherent or authentic. As a result, the Huntington production is a messy mix of half-baked ideas. Take Russell Parkman's fairytale-like stage design: with its two-dimensional cutouts of trees and houses and its wallpaper backdrop radiating fake pastoral idyll, the set would be right on target if Winnie the Pooh, Piglet, and Tigger were to emerge on stage. But they aren't. Rather, this strange and kitschy wonderland is inhabited by Shaw's characters in period costumes, causing a bizarre dissonance.

Even the usually competent Huntington actors give inconsistent and mannered performances. Mariette Hartley's painstaking

attempts at mastering the cockney accent sadly overshadow her otherwise decent performance as Mrs. Warren. Thankfully, Kate Goehring's Vivie is much smoother and her portrayal of a happy and carefree young girl's transformation into a serious and independent career woman is both believable and gripping.

The rest of the cast is made up of Vivie's suitors and Mrs. Warren's "friends" — all representatives of the male stereotypes that the feminist Shaw loved to critique and ridicule. Munson Hicks plays Reverend Samuel Gardner, a clergyman with a past, and Jordan Charney portrays the cynical capitalist Sir George Crofts. But their exaggerated performances brush over much of the sarcasm and dry wit implicit in the play. Jared Reed tries to improve on this by playing Frank, Vivie's boyfriend, in true John Cleese style, but the result is uneven at best.

The production is not without its strengths: somewhat redeeming is the play's last scene, in which Mrs. Warren is trying to reconcile with her daughter. Played out in Vivie's new office, the scene brings to life the mother-



T. CHARLES ERICKSON

Kitty Warren (Mariette Hartley, right) shares a fleeting moment of reconciliation with her daughter Vivie (Kate Goehring) in a scene from *Mrs. Warren's Profession*, by George Bernard Shaw.

daughter conflict in all its complexity. But this last heartfelt moment only makes the shortcomings of the previous hour and a half more obvious and regrettable.

In the end, the evening is a testimony to missed opportunities. This could have been a good production of a great play. Now your best bet is to read the play. Satisfaction guaranteed.

FOOD REVIEW

The Essential Vegetarian

*'101 Reasons' to be veggie*By **Katie Jeffreys**

FEATURES EDITOR

I must be asked about once a week why I decided to become vegetarian. The basic answer is simple: I don't like meat. I was raised in a meat-and-potatoes household. Then one summer I was away from home and ate very little meat. When I returned, my mother served a welcome-home steak dinner. I was repulsed by the bloody pink slab of flesh on my plate, and from that point on swore off meat.

Since then, I have found many other reasons to be vegetarian which only bolster my cause. In addition to possible health benefits (which I fear I counteract with my abnormally large chocolate intake), there are many environmental reasons to be veggie.

Pamela Teisler-Rice describes comprehensively the many benefits of vegetarianism (primarily by describing the drawbacks of a meat-based diet) in her publication "101 Reasons I am a Vegetarian," <<http://www.earthbase.org/vivavegie/vv101/>> written in 1996 and updated in 1998. I have excerpted a few of her entries which I find personally compelling. I encourage everyone to read the entire list, as well as other literature on vegetarianism. Comparing vegetarian propaganda with that produced by the National Fluid Milk Processor Promotion Board (who are responsible for the milk moustache ads) and the American Cattleman's Association can be very confusing. It is important to get the facts straight, and sift through the spin. While the advocates of meat and milk are not incorrect in what they say, they do not tell the whole story. Vegetarian propaganda is often superior in that it states facts in the context of the misleading facts it refutes.

If you would like to see other issues addressed in this column, or have any other comments or questions, please e-mail me at vegie@the-tech.mit.edu.

World Hunger

The senseless waste of the world's growing meat-centered diet is illustrated by the following hypothetical statement: "If everyone adopted a vegetarian diet and no food were wasted, current [food] production would theoretically feed 10 billion people, more than the projected population for the year 2050," according to the Population Reference Bureau, a Washington, D.C.-based research group. Even today, 840 million people are malnourished and nearly 50,000 die of starvation every day.

Environment

From the animal-fed breadbasket of the nation's Midwest, massive amounts of fertilizer, pesticides and manure travel down the Mississippi River until they end up in the Gulf of Mexico. The high-nutrient content of the waste causes an eco-chain reaction that ultimately ends with microscopic organisms robbing the bottom of the ocean of oxygen. Any animal living there will have to relocate or suffocate and die. The phenomenon is known as hypoxia. Scientists have dubbed affected areas "dead zones." The gulf's dead

zone in 1997 covered an area the size of Hawaii.

Animal Rights

To produce *foie gras*, male ducks are force-fed six to seven pounds of grain three times a day with an air-driven feeder tube. This torturous process goes on for 28 days until the ducks' livers, from which the pâté is made, bloat to six to 12 times their normal size. About 10 percent of the ducks don't make it to slaughter. They die when their stomachs burst.

Men's Health

The second leading cause of cancer death among men — prostate cancer — is not just an inevitable outcome of getting old; it is the result of a lifetime diet of animal fats. The fats stimulate the production of male hormones, which in turn spur prostate cancer cells to grow. Radiation, cryosurgery (the freezing of malignant cells) and traditional surgery are the treatments. But don't worry: there are condom catheters for the incontinence and penile implants for the impotence.

Women's Health

Though osteoporosis is a disease of calcium deficiency, it is not one of low calcium intake. One cause of the bone disorder is too much protein in the diet. Excess protein can leech calcium from the bones. Famed diet innovator Nathan Pritikin has noted that African Bantu women on low-protein diets take in a third of the U.S.-recommended daily allowances of calcium. "They bear nine children during their lifetime and breast-feed them for two years. They never have calcium deficiency [and] never break a bone." The typical meat-eating American is eating about five times as much protein as needed.

Vegetarian Chili

1 cup kidney/pinto beans
2 T oil
1 onion, diced
1 large carrot, diced
1 rib celery, diced
0.5 bell pepper, diced
1-2 cloves garlic minced
2 large tomatoes, peeled, seeded and chopped
0.75 c tomato puree
0.5 t powdered cumin
1.5 t chili powder
Salt and pepper to taste

Wash and soak beans. Cook with 4 cups of water. Sauté the carrots, onions, celery, pepper and garlic in oil for 15 mins. Add the rest of the ingredients and simmer for 5 mins.

Add beans and simmer for 15 mins.

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lately?

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read any
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ON THE SCREEN

— BY THE TECH ARTS STAFF —

The following movies are playing this weekend 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

Austin Powers: The Spy Who Shagged Me (★★★)

Hardly a sequel but rather two hours of completely indulgent Austin Powers fun. This film succeeds because it's well aware of what a farce it is and it doesn't try to be anything more than purely entertaining. It seems to be too much of the same, with very little new material, but there's enough pure slapstick, absurd comedy, and gross humor to satisfy the fans. — Teresa Huang

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 transformed 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. — TH

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

Deep Blue Sea (★★★)

Deep Blue Sea may be Hollywood junk, but it is Hollywood junk at its finest. While the plot, editing, and visuals are somewhat lacking, the film nonetheless captures the audience in the moment with its excitement and suspense, and it pleasantly surprises with its refusal to use seasoned movie clichés. Though severely lacking in quality, this movie makes for good entertainment. — VZ, Rebecca Loh

Dick (★★½)

A fictional story of two teenage girls getting mixed up in the Nixon-Watergate scandal. Poor pacing and an underdeveloped script hinder what could have been the next *Wag the Dog*. — Heather Anderson



After rescuing Jane from a pack of irate baboons, Tarzan's curiosity is piqued when he hears gun shots in the distance in this scene from Disney's latest animated film *Tarzan*.

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

The Haunting (★)

Not your usual garden-variety bad movie: it does not merely cause the viewers cringe in pain and abject anguish at the sheer awfulness of it; no, it squarely lands into the "so bad it's good" area, being not merely terrible but laughably so. This supposed horror movie is not horrifying for a second, and its ineptitude is much more broad in scope. It shows the total misunderstanding of even basic facts of filmmaking and storytelling — and the result is wretched, from its very first to its very last minute. — 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. — Zarmine 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 exceptional — 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

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. 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

South Park: Bigger, Longer & Uncut (★★★½)

An R-rated animated musical comedy adventure satire, starting when four kids sneak into an R-rated movie, and steadily increasing in scope and barrage of satirical barbs. Don't be deterred by the fact that this movie features copious amounts of profanity, full-frontal nudity, and giant glowing talking sex organs — it's probably the funniest movie in quite a while, and it's definitely the best animated musical of the last several years. — VZ

Star Wars: Episode I—The Phantom Menace (★★★)

This simplistic motion picture with lumpy storytelling, inane dialogue, wooden acting, and poor editing is one of the most exciting experiences to come in quite a while to the movies. By firmly adhering to the world-view created in Episodes 4 through 6, and by utilizing the best special effects and art direction money can buy, writer/director George Lucas succeeds, despite the film's obvious shortcomings, to take us once again to that galaxy far, far away, and provide an adventure-filled playground for our imagination. — VZ

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

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

Wild Wild West (★★)

WWW tries to be absolutely everything to absolutely everyone. It's a western, a parody of James Bond movies, a sci-fi adventure, an action flick, a buddy film, a slapstick comedy, and a dark rumination on the American history. It ends up, of course, being none of the above — just an extravagant way to spend its gargantuan budget. — VZ

The Winslow Boy (★★1/2)

For all of its dramatic intensity and clarity, visual elegance and beautiful shot composition, intricate multi-personal conflicts, and stylized dialogue, this David Mamet film doesn't quite fulfill the promise of its opening half hour. This is probably the fault of the source play, which didn't age very well and which seems to be content to be merely engaging and entertaining in a low-key way than to go for either shattering drama or penetrating social critique. — VZ

Popular Music

Bank Boston Pavilion
Ticketmaster 931-2000.
Sep. 26: Ben Folds Five, G Love Special Sauce, 311, Buckcherry. \$25 for non-students, \$10 for students.

Berklee Performance Center
Berklee College of Music
1140 Boylston St.
Free student recitals and faculty concerts, 4 p.m. and 7 p.m. some weekdays. For info. on these concerts, call the Performance Information Line at 747-8820.
Oct. 2: Chick Corea & Origin with Gary Burton. \$27.50, \$22.50.
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.
Sep. 28: Family Values Tour: Limp Bizkit, DMX, Filter, Crystal Method. \$34.50.
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
Sept. 24: Celine Dion, \$75, \$59.50 and \$39.50.
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.
Sep. 24: Deep Banana Blackout.
Sep. 25: Betwixt.
Sep. 25: Freakwater.
Sep. 26: Men at Work.
Sep. 27: North Street.
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.

Paul E. Tsonagas Arena
Lowell, MA
Oct. 2: Oleander, Our Lady Peace, Creed. \$24.

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.

Regattabar
Concertix: 876-7777
Ticket prices vary. Call 661-5000 for more info.
Sep. 24: Milli Bermejo & Claudio Ragazzi: Argentine Fantasy (two shows).
Sep. 25: Tiger's Baku (two shows).
Sep. 28: Laslo Gardony and Garrison Fewell Quartet.
Sep. 29: Bill Bruford's Earthworks (two shows).

On The Town

A weekly guide to the arts in Boston
September 24 - 31
Compiled by Fred Choi

Send submissions to ott@the-tech.mit.edu or by interdepartmental mail to "On The Town," The Tech, W20-483.

Sculler's
Ticketmaster: 931-2000
Ticket prices vary. Call 562-4111 for more info.
(All performers have two shows per day unless otherwise noted)
Sep. 24-25: Rebecca Parris and Friends.
Sep. 27: Brad Conner (one show).
Sep. 28: John O'Neil and Jan Peters (one show).

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 Amsterberg, Angry Salad, Citizen King. Call Ticketmaster, (617) 931-2000, \$15-\$35.

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 Orgonassova, soprano; Jose van Dam, bass-baritone. Tickets available: Oct. 7, 12: \$31, \$24. Oct. 8, 9, Sold Out.

Oct. 15, 16: Lieberon: Red Garuda (world premiere; commissioned by the BSO), Tchaikovsky: Symphony No. 5. Seiji Ozawa, conductor, Peter Serkin, piano. Tickets available: Oct. 15: \$34, \$27. Oct. 16: Sold out.

Theater

Blue Man Group
Charles Playhouse, 74 Warrenton 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 Warrenton 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

"Sargent Summer" in Boston
Local cultural institutions present exhibitions and programmes about the masterful American artist John Singer Sargent (1856-1925).

Isabella Stewart Gardner Museum
Through Sep. 26: *Sargent: The Late Landscapes*: The exhibit represents the first in-depth exploration of an overlooked aspect of the artist's career. Late in his life, Sargent began refusing portrait commissions to paint landscapes professionally. The fourteen paintings and watercolors are taken from collections throughout the United States and Europe.

Museum of Fine Arts
Through Sep. 26: An exhibit of 160 Sargent works, including his finest oils, watercolors, and studies for murals - some never before exhibited. In collaboration with the Tate Gallery, London, and the National Gallery of Art, Washington, the exhibit will feature portraits of influential figures of the time, including Monet, Rockefeller, Robert Louis Stevenson, and Isabella Stewart Gardner. To coincide with the exhibition, the MFA is restoring its famous Sargent murals, begun in 1916. For more info., call 267-9300.

The Boston Public Library
Continuing each Sat. through Sep.: *Tours of Sargent's murals in the library and talks on his life.*

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

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.

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 mistress, 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

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

The Samaritans 5K Run/Walk

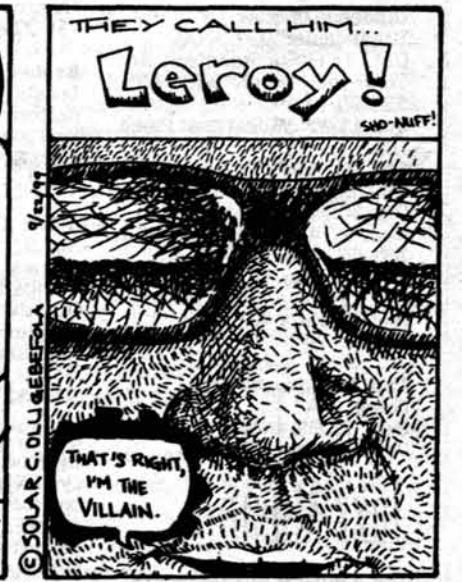
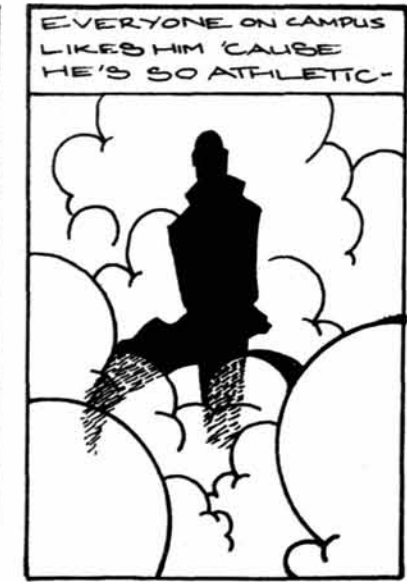
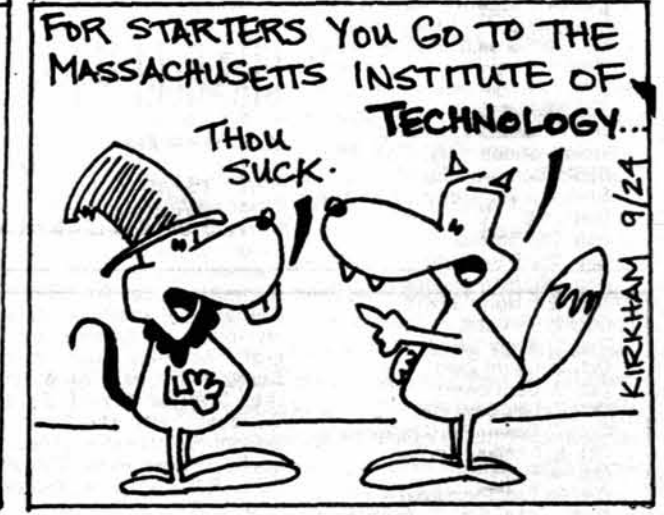
Oct. 16: At 10 a.m., first annual Run/Walk along the Charles River, designed to boost awareness about suicide prevention, and to raise funds for the only suicide prevention center in Greater Boston. All proceeds from the event will be used to benefit The Samaritans' supportive and life-saving services. 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.

Down with Science

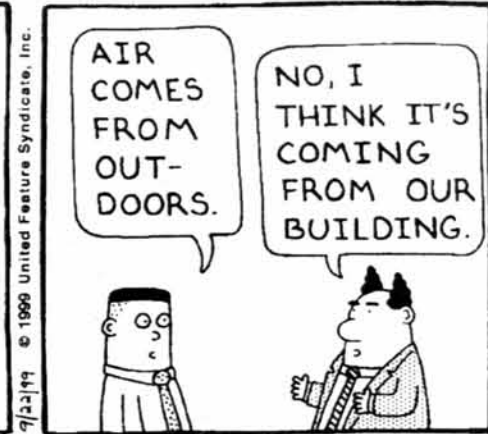
by Jennifer DiMase



the crass rat

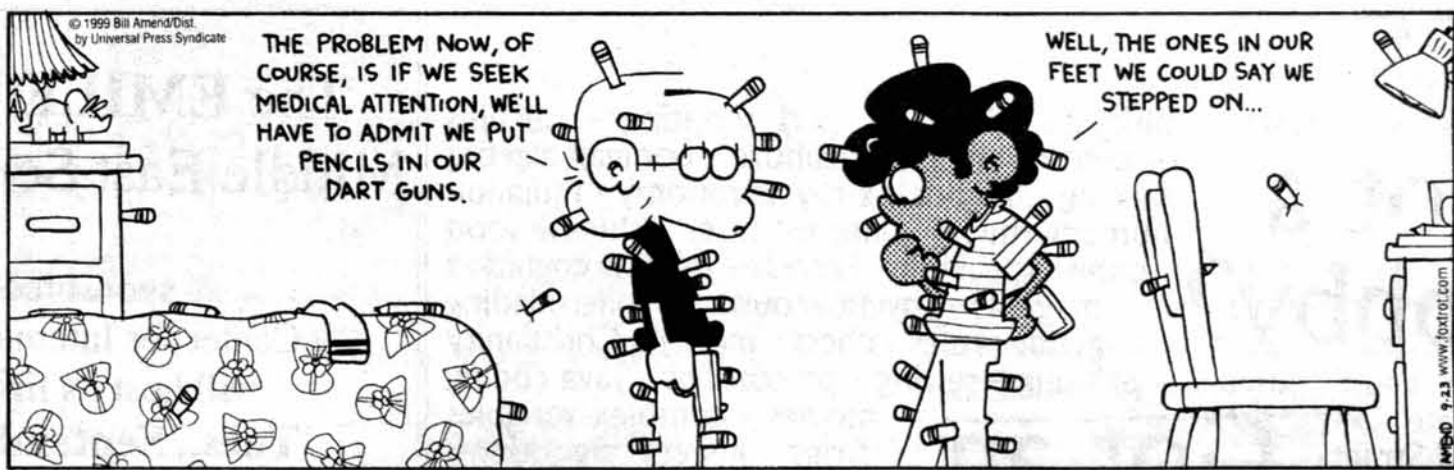


Dilbert® by Scott Adams

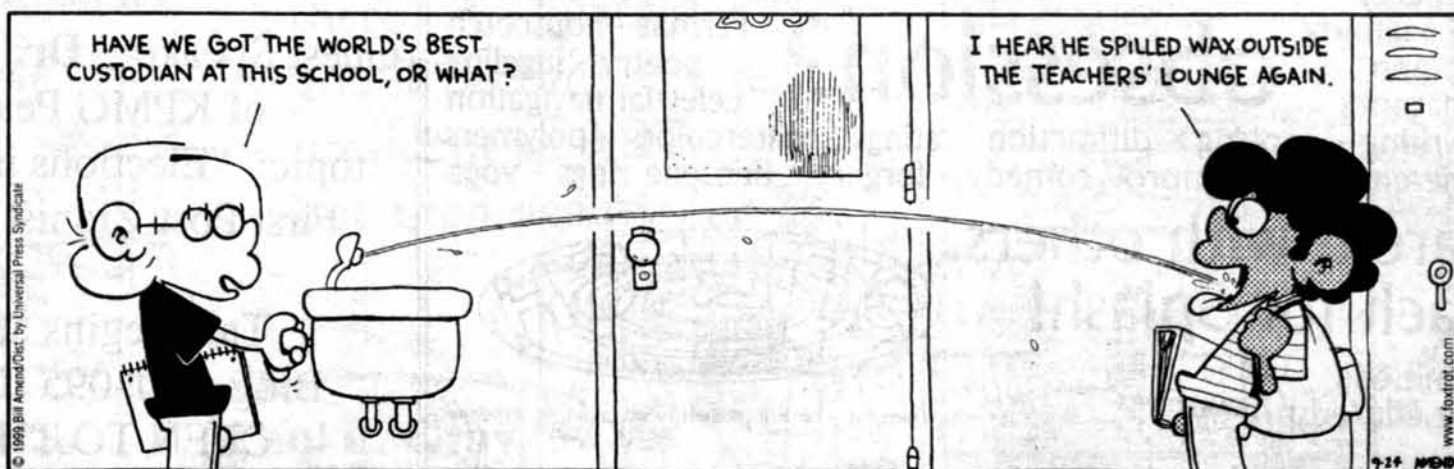


by Bill Amend

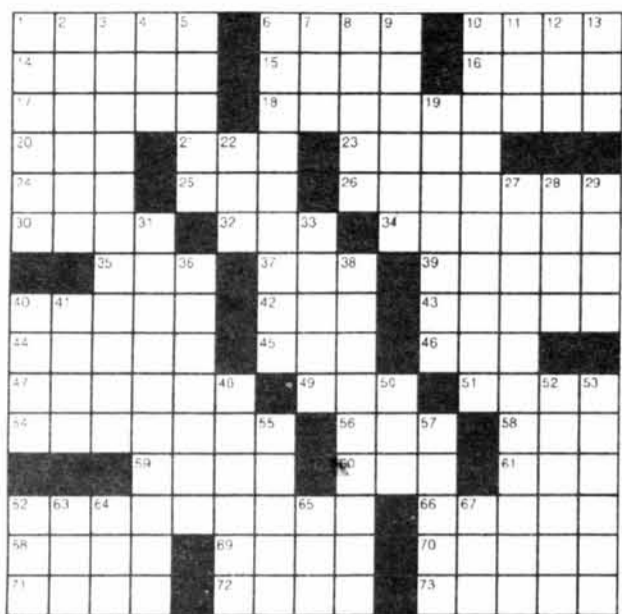
Jason the great Jason the super-great
Jason the wonderful
Jason the amazing Jason the great and amazing
Jason the super-wonderful, super-great and super-amazing



FoxTrot



Crossword Puzzle



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9/24/99

ACROSS

- 1 Potatoes
- 6 Sci classes
- 10 Lovers' quarrel
- 14 City in Vietnam
- 15 Ms. Fitzgerald
- 16 Powerful trend
- 17 Actress Eve
- 18 Most inept
- 20 Fish eggs
- 21 Expertise
- 23 Monumental
- 24 Golfer Ernie
- 25 Promissory note
- 26 Train unit
- 30 Kate or Tim
- 32 Bikini part
- 34 City on the Merrimack
- 35 Chest bone
- 37 Saloon rocks?
- 39 Choreographer Twyla
- 40 Play pranks
- 42 Org. of Flames
- 43 Dove and Rudrer
- 44 Astronomical shadow

DOWN

- 1 Partaker
- 2 Release conditionally
- 3 Not wanted
- 4 Unknown John

- 5 Egyptian peninsula
- 6 Admonishing at length
- 7 Everything
- 8 Madder family flower
- 9 Asian skiff
- 10 Gear-changing mechanism
- 11 Bakery buy
- 12 Want
- 13 Asian holiday
- 19 "Love and Marriage" singer
- 22 Reiner or Lowe
- 27 Choo-choo of song
- 28 Surrounding glow
- 29 Knocks lightly
- 31 Lack of courtesy
- 33 Sore spots
- 36 Withstands difficulties
- 38 "Candle in the Wind" singer

- 40 Bunch of hairs
- 41 Abu Dhabi leader
- 48 Lady of Spain
- 50 Pursue with passion
- 52 Milling tool
- 53 Playful mammals
- 55 Lunch counter perch

- 57 Sleeveless garments
- 62 Trail behind
- 63 Pint drink
- 64 Writer Follett
- 65 School org.
- 67 Cambridge sch.



TechCalendar

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

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 losses, including, but not limited to, damages resulting from attendance of an event. Contact information for all events is available from the TechCalendar web page.

Friday's Events

3:00 p.m. — **Production System Design** — Prof. David S. Cochran, MIT, Dept. of Mechanical Engineering. Sponsored by ME Seminar Series. Rm 3-270. Refreshments in room 1-114 to follow. More info: Call Beth Henson at 258-5807. Email bhenson@mit.edu.

4:15 p.m. — **Level-restricted generalized Kostka polynomials** — Anne Schilling, Department of Mathematics, M.I.T. 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 Professor Sara Billey at 253-6544. Email sara@math.mit.edu. <<http://www-math.mit.edu/~combin>>.

6:00 p.m. — **Moonlight Sails & BBQ's** — MIT Nautical Association. Moonlight Sails & BBQ's. Sailing Pavilion, 51. Glide along the river after dark, sailing in a Rhodes-19. Bring long a flashlight and something for the BBQ on the dock afterwards. You should have a current MIT Sailing Card for this event. More info: Call Melitta King at 253-4884. Contact: meking@mit.edu. <<http://web.mit.edu/mit-sailing/www/>>.

6:30 - 9:30 p.m. — **SUMA Alumni Networking Event**. Come ask MIT alumni and other industry veterans your hard questions about consulting and finance opportunities. Registration is required and spaces are limited, so sign up at <<http://suma.mit.edu>> E51-345 (Tang Auditorium). Sponsor: Sloan Undergraduate Management Association.

7:00 p.m. - 12:30 a.m. — **MIT Anime Club Showing**. 7:00 Slayers Next 6 - 9 (subtitled); 9:00 Cowboy Bebop 1 - 2 (subtitled); 10:00 Eatman 1-2 (subtitled); 11:00 Yu Yu Hakusho 3 - 4 (subtitled). Free! Stop by anytime and bring your friends. E51-335. Sponsor: Anime Club

7:00 p.m. — **The Thirteenth Floor**. LSC transforms room 26-100 into an on-campus movie theater, complete with previews, popcorn, and digital sound. Admission 2.50. 26-100. Sponsor: LSC.

10:00 p.m. — **The Thirteenth Floor**. LSC transforms room 26-100 into an on-campus movie theater, complete with previews, popcorn, and digital sound. Admission 2.50. 26-100. Sponsor: LSC.

Saturday's Events

7:00 p.m. — **A Midsummer Night's Dream**. LSC transforms room 26-100 into an on-campus movie theater, complete with previews, popcorn, and surround sound.

Admission 2.50. 26-100. Sponsor: LSC.

10:00 p.m. — **A Midsummer Night's Dream**. LSC transforms room 26-100 into an on-campus movie theater, complete with previews, popcorn, and surround sound. Admission 2.50. 26-100. Sponsor: LSC.

Sunday's Events

2:00 - 4:00 p.m. — **"Family Adventures in Science and Technology" or "F.A.S.T. Sundays"**. Work with MIT students & staff in interactive activities to explore the mysteries of science & technology. Free w/admission. \$5; \$2 students/seniors; \$1 children 5-18; free w/MIT ID. Admission 0. MIT Museum. Sponsor: Office of the Arts.

7:00 p.m. — **The Thirteenth Floor**. LSC transforms room 26-100 into an on-campus movie theater, complete with previews, popcorn, and digital sound. Admission 2.50. 26-100. Sponsor: LSC.

10:00 p.m. — **A Midsummer Night's Dream**. LSC transforms room 26-100 into an on-campus movie theater, complete with previews, popcorn, and surround sound. Admission 2.50. 26-100. Sponsor: LSC.

Monday's Events

4:00 p.m. — **Computing Molecular Structure and Function** — Prof. Thomas Lozano-Perez, M.I.T., EECS, AI Lab. MIT-EECS 1999 Fall Semester Colloquium Series. Rm 34-Edgerton Hall. Refreshments served at 3:30 p.m. More info: Call Prof. Peter Elias at 253-4193. Contact: elias@theory.lcs.mit.edu.

4:15 p.m. — **Renormalization groups and central limit theorems in percolation** — Dr. Martin Bazant, Department of Mathematics — M.I.T. 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>>.

7:00 - 9:00 p.m. — **RSSC Feedback Meeting**. No Dorm Rush? Sophomore Shuffle? FSILG Rush in the winter? Provide feedback on the final report of the Residence System Steering Committee. DTD (416 Beacon Street). Sponsor: Undergraduate Association.

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

electronics - insects - ultimate frisbee - perl scripting - calculus
 covalent bonds - horticulture - boolean algebra
 dancing - lambda - x-ray astronomy - radiation
 number theory - interest rates - chinese food
 public speaking - French - human cognition
 magnets - psychoacoustics - roller-blading
 gender roles - chess - modern Christianity
 stage makeup - baseball - painting - sewing - protozoans - Java coding
 chocolate
 Sesame Street
 solar energy
 human anatomy
 pnp vs. npn
 combinatorics
 essay-writing - cooking - diffraction gratings - watercolors - polymers
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New Dormitory Construction to Begin this Winter

By Jeremy Smoler

Design for MIT's new undergraduate dormitory, to be completed for 2001, continues to move ahead, as MIT finalizes plans for several related capital projects.

According to the Executive Vice President John R. Curry, additional drawings must still be made and contractors must still be found. Curry said construction of the dormitory should begin this November or December.

The residence project is currently on schedule, but is "extremely fast-track" according to Curry. Curry said the administration is developing options to house freshmen in case the dormitory is not completed in time for the 2001 school year.

"Stephen Holl, the architect, describes this building as a sponge because it is porous both horizontally and vertically," said Chancellor Lawrence S. Bacow '72. "He has created some very exciting interior spaces through the use of small atria throughout the building that vertically connect adjacent floors, and also bring light and air into the interior of the building."

The dorm will be located on Vassar Street, across the athletic fields from MacGregor House, according to Chancellor Lawrence S. Bacow. It will be a long, narrow building, sandwiched between the street and railroad freight lines. It will house about 350 in double and single rooms for about 320 undergrads of all years, five apartments for visiting faculty, and two faculty housemaster suites.

Improvements planned for Vassar
MIT has "just begun to look at

what Vassar Street might look like" in the future, said Curry. Architect Olin Laurie will work on improvements to the street, extending all the way to Main Street. Improvements will include widening sidewalks, adding bike lanes, planting trees, and removing the chain-link fence next to the athletic fields.

According to Curry, some of these changes will take place during the construction of the new dorm, as the street is dug up for work on utilities. Curry said "It kind of depends on how it goes," but he would like to see a "major portion" of the work on Vassar Street done by the time of the opening of the new residence in 2001.

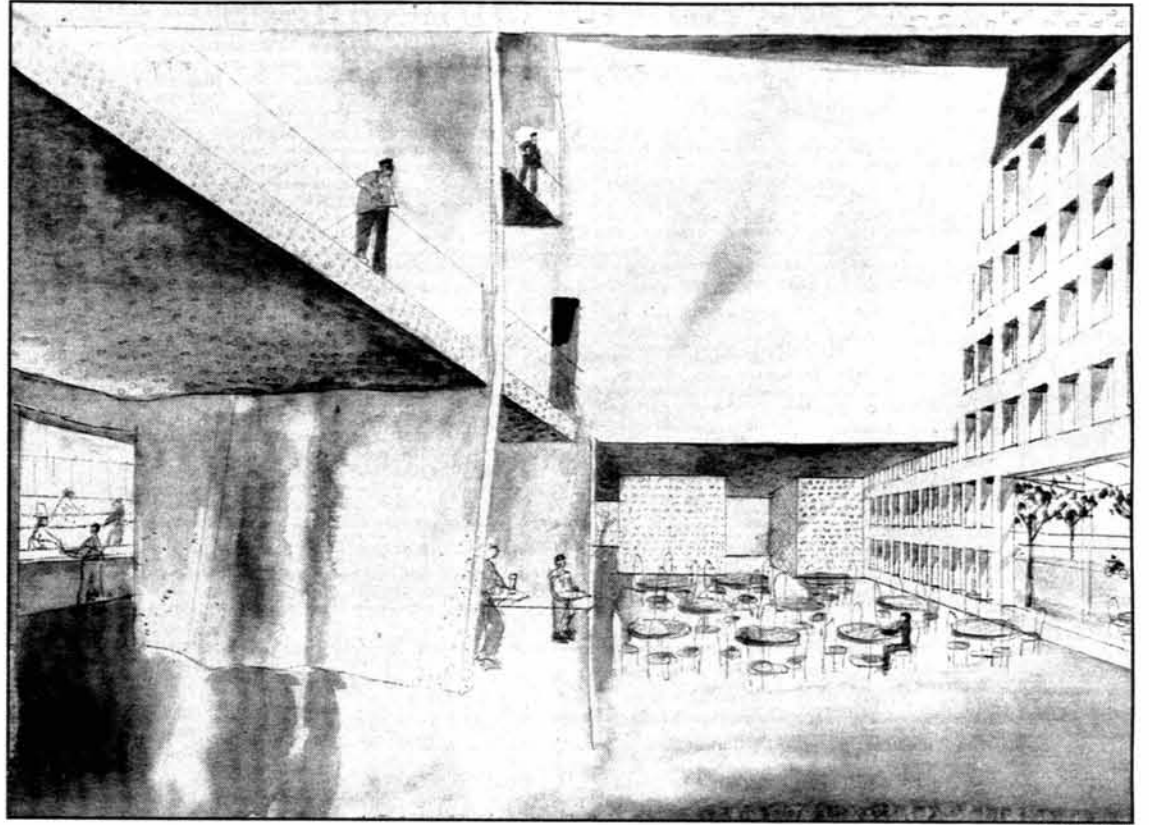
Curry said construction in the future will be the most "intensive" near the undergraduate residences. The condition of the campus during future construction is "something to worry about." He said that detour signs will probably be put up to guide pedestrians, bicycles, and cars.

MIT plans to eventually build a row of dorms on Vassar Street, but Curry said this will probably not happen in the near future.

Bacow mentioned such construction may not happen for ten to twenty years.

Railroad changes planned

Farther in the future, changes are planned for the Grand Junction Railroad, which runs next to the planned site for the new dorm. The railroad is currently the only freight rail connection across the Charles River. O. Robert Simha, Director of Planning at MIT, said the future of the freight line is still uncertain. It may be relocated or moved underground. Simha said



Steven Holl's proposed sponge design for the new undergraduate dormitory incorporates horizontal and vertical open spaces to create a porous interior.

changes to the rail lines should not effect the planned changes to Vassar Street.

Whether the freight line moves underground may depend on the MBTA's Urban Ring project, scheduled for construction in the next twenty years, said Simha. The MBTA plans to build a subway lines circling the city, connected to major transit lines. One transit line will run under or along the current railroad right of way.

As part of the Urban Ring project, two to three subway stops may open near MIT, said Simha.

Students respond to building plans

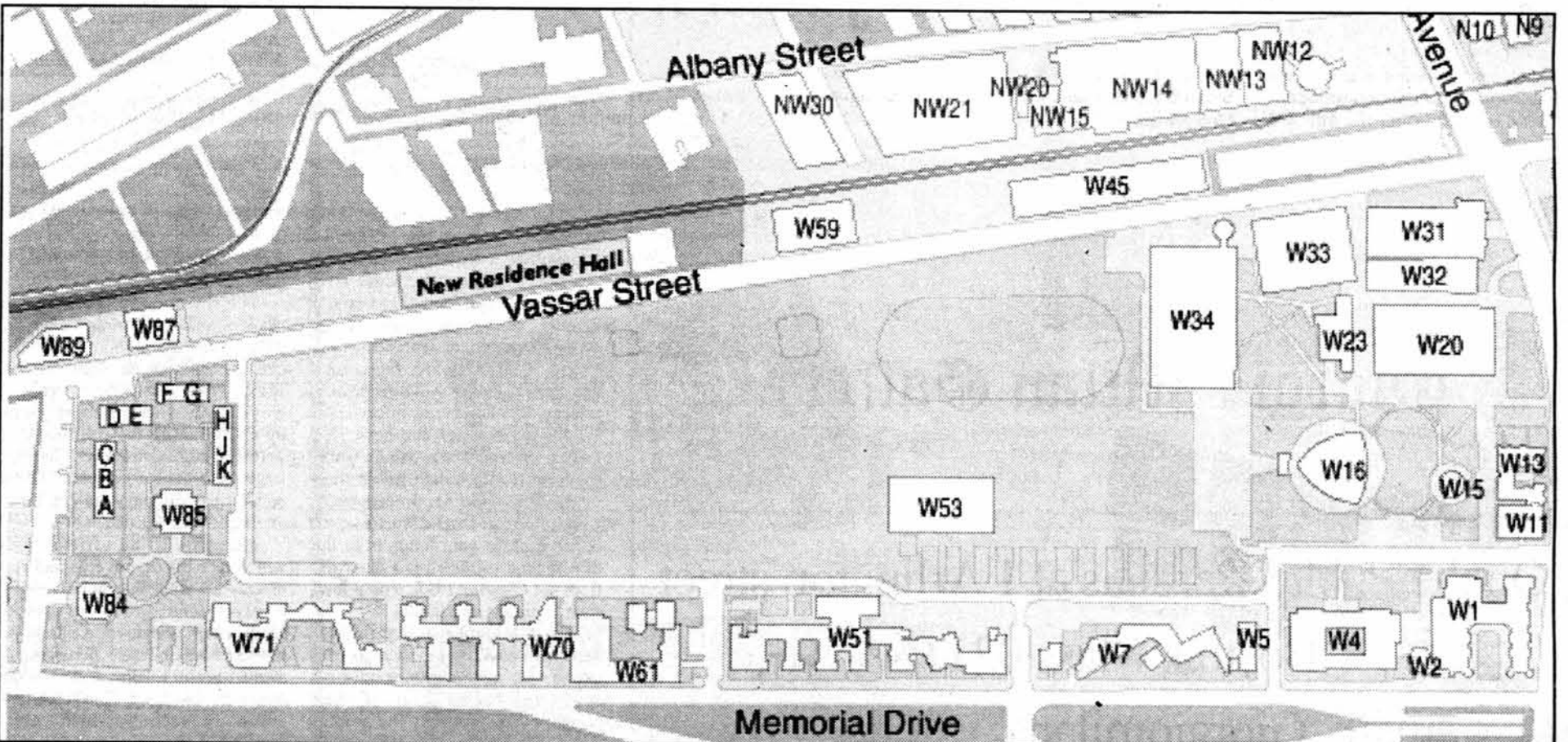
The new undergraduate dormitory will be across the athletic fields from the other West Campus dormitories. The new dorm would still be "definitely closer than East Campus" to visit, said Deanna J. Chou '01, a student living in Next House.

When asked whether she would visit the new dorm, Meghan McLemore '00, a student living in East Campus, said, "I don't go to visit people in West Campus very often." East Campus students mentioned they were happy with their proximity to Senior House.

Lael Odhner '03, a student in Random Hall, said his dorm was "a fairly tight-knit community," partly due to its isolation.

Emily W. Brosi '02, a student living in MacGregor, said she would be reluctant to move to the new dorm. She said, "you live with the same people in an entry for four years... you wouldn't want to move away from that."

The new dorm is needed to house the additional freshmen pulled onto campus by the new residence policy for the 2001 school year.



Page Two

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VOL. LXXI FRIDAY, JANUARY 12, 1991 NO. 2

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Page Two

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In charge of this issue: **G. C. Houston '27**

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Fall Term 1999 Minicourse Schedule



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		HTML
8 p.m.		HTML		HTML
12 noon	27 Sep	First Course	28 Sep	Working
7 p.m.		First Course		Working
8 p.m.		Working		Working
12 noon	4 Oct	Frame	5 Oct	FrameThis
7 p.m.		Frame		Frame
8 p.m.		Latex		Latex
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 Emacs
7 p.m.		Dotfiles		HTML
8 p.m.		Serious Emacs		Matlab
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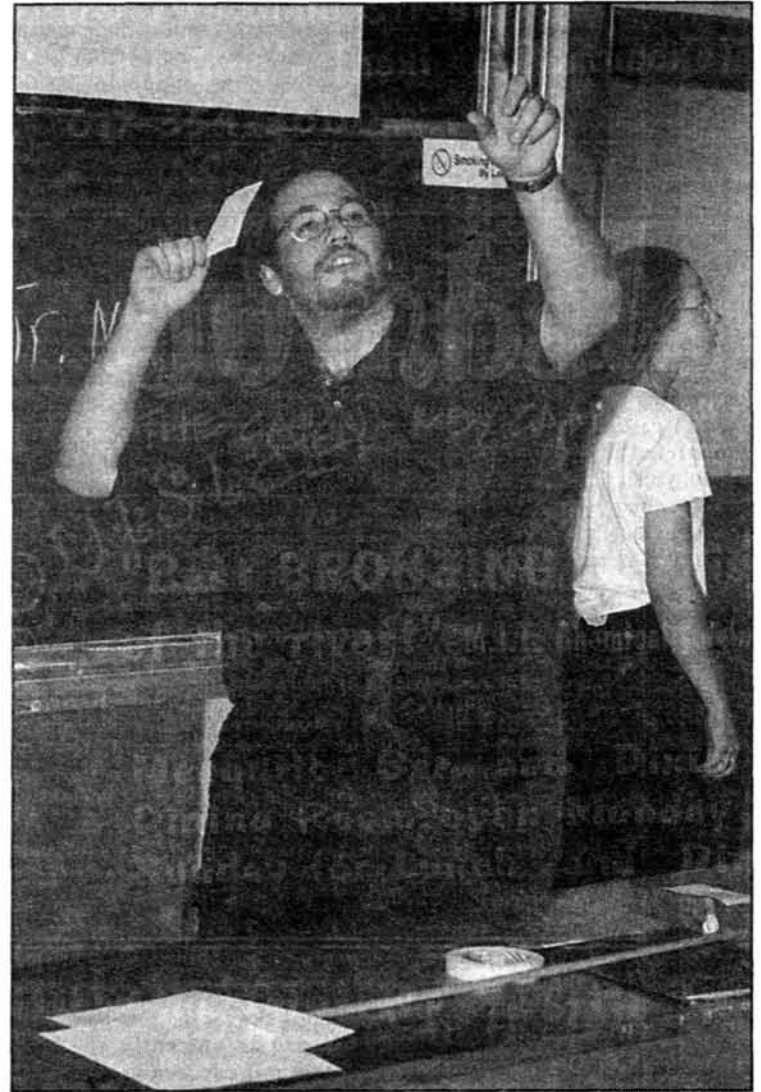
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New ASA Treasurer Elected At Meeting



CRISTINA ROUSSEL

Undergraduate Association Vice President Lex Nemzer '00 speaks at the ASA General Body Meeting Tuesday.

By Cristina Roussel

Elections were held for Treasurer and Member at large at the Association for Student Activities General Body Meeting on Tuesday. Philip B. Tan '01 was elected Treasurer and Ariel E. Segall '02 is the new Member at large.

"The meeting went wonderfully," said ASA President Jocelyn L. Wiese '00. "It only lasted an hour." Wiese ran the meeting, which covered issues such as mailboxes and funding.

At the meeting, representatives of the Finance Board announced that student groups will now be able to access their account information on Athena through the new SAP finance system. There will be workshops to teach student group treasurers the new finance procedures.

Student groups also have an opportunity to gain funds from the SPICE fund — which is a class gift from the Class of 1997 to help fund student groups on campus.

The re-rooming policy for student group offices was also discussed. All student groups must re-apply for rooms even if they presently have a space. The process is much like the housing lottery with

all groups putting in forms describing what they want and need. Office requests are due December 9, 1999 and the decisions will be announced January 31, 2000.

Wiese warned that current rooms will be spot-checked and groups will be evaluated on how efficiently they are using the space they have. There will be an appeals process, but Wiese asked groups to "be realistic about what you need, what you want, and what you are willing to deal with."

The re-rooming policy is the result of a shortage of space for student groups. As a result, some student groups have no offices or they share a space with other groups.

"The ASA helps student groups by coordinating their information with the administration... holding large scale publicity events like the Activities Midway and freshmen mailings," Wiese said.

The ASA is the official body which recognizes, governs and represents all student groups at MIT. Every student group on campus sends a representative to attend the meetings where issues pertaining to student group finance and facilities usage are discussed. The ASA general body meeting is held once a semester.

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Letter Polls Parents On Records Access

By Efen Gutierrez

Few parents of MIT undergraduates responded to an informal letter in which Dean of Students and Undergraduate Education Rosalind H. Williams discussed a wide array of issues ranging from parental involvement to student life at MIT.

The letter addressed the possible conflict between parents' desire for information about their son or daughter through school records and legal mandates barring the release of student records without student consent, also known as the Buckley Amendment. Williams requested that parents become involved in their son's or daughter's education by talking with them about college life issues such as alcohol.

The letter has received varied responses. One parent said, "I can't believe that I don't have the right to know how my child is performing when I'm the one pitching in all of the money."

Student leaders such as Undergraduate Association President Matthew L. McGann '00 and Dormitory Council President Jennifer A. Frank '00 have objected to moves on the part of the Institute to act *in loco parentis*, or in place of parents, by informing them of student problems.

McGann '00 said, "It's not wise to report one-time instances but when it becomes a problem it should be reported [to parents]."

Williams wrote, "You (parents) should also know that federal law prohibits colleges and universities from sharing academic or other student records with parents, except in unusual situation."

She also urges parents to remind students that if they need support or advice, there is always help at MIT in the form of the knowledgeable and experienced staff. It also encouraged parents to work with the Institute in helping move a student from adolescence into adulthood.

"MIT's core educational principle is 'learning by doing,' and there is no substitute for experience in learning to behave as an adult," Williams writes. Her main message is to remind parents that MIT considers students as individuals who are also responsible for their own actions and decisions. She also wrote about the Task Force on Student Life and Learning report issued last year. The report emphasized the importance of MIT community life as an important element of the student's overall education.

One drawback of this year's letter was that it was sent out when most freshman students were arriving at MIT for Orientation '99. Despite poor timing Williams said that there were a few parental responses to the letter during Parent Weekend, most of which were thanking her for sending a frank letter about parental involvement in their son's or daughter's education.

Most concerns from parents involved MIT's limited ability to communicate directly with parents about the children's student records. Williams suggests that parents inquire directly with their son or daughter about his or her performance in classes. She concludes her letter by addressing the need for a partnership between MIT and parents since students are connected to both. Together, both MIT and parents will continue helping the student's education.

A previous letter was sent to students prior to Williams' letter by Dean for Students Margaret R. Bates, Office of Students and Undergraduate Education. The letter was addressed to all incoming freshmen and intended to inform them about MIT's regulations regarding the subject of alcohol. Williams has said that the two letters are not connected.

Origins of the letter

William's letter was created mainly in response to the death of Scott S. Kreuger '01 last year. The letter that Williams sent out last year received quite a substantial response, and led to the continuation of the practice this year.

ATHENA® MINICOURSE INDEX

Athena: First Course (1st Course)

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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 Ths)

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 Ths)

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.

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DAVID SEDARIS

Author of *Barrel Fever* and *Naked*, Sedaris first came to prominence through his essay *The Santaland Diaries*, which detailed his hellish experiences as a Macy's Christmas elf.

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tickets are handed out.

Student Groups Organize Joint Career Fair For Student Body

Career, from Page 1

And after going to the career fair, it's important to follow up and establish closer contacts, said Barra.

Career fair for all students

Students, from freshmen to seniors and graduates, should consider attending the career fair. Although companies will be looking

to hire for permanent positions, non-seniors will also have the opportunity to discuss summer internships, said Barra.

Each of the three chief organizers, SWE, the Class of 2000, and the GSC (the three who usually hold career fairs each fall), had a representative for organizing the event., said Ortiz. And within each group, there were several functional groups

to carry out more specific plans.

Career Week was helped out by a large number of other student groups on campus, including: the Career Services Office, Eta Kappa Nu, the Sloan Undergraduate Management Association, the Biomedical Engineering Society, the MIT Entrepreneurship Center, 50K, the Society of Hispanic Engineers, and Tau Beta Pi.

Class of 2000 Career Week

(Times and rooms are subject to change - check schedule daily to confirm)

Monday

Kick-off Panel: Not Your Average Start-up: MIT High-Tech Ventures 5-7pm, 10-250
Z-Gathering 7.30-9.30pm, location TBA

Tuesday

Leading the Enterprise Software Revolution:
CEO of SAP America, Kevin McKay 6-8pm, E51-345
How to Get Your Dream Job 8-9:30pm, 6-120

Wednesday

Investment Banking or Consulting? 6-8pm, 10-250
Information Technology on Wall Street 4-5:30pm, 34-101
Biotechnology Careers, Into The New Millenium 4-5.30pm, location TBA
Information Sources for Successful Job Hunting 4-5pm, E53-220
Manager, Researcher or Professor? 5-6pm, 2-190

Thursday

MIT Fall 1999 Career Fair - Graduate 10-4pm, Johnson Athletic Center
Summer Experiences that Paid Off: Insider Information 5-6.30pm, room 26-100
Artificial Intelligence on Wall Street 6.30-8pm, room 10-250
Chashing in on eCommerce 8-9.30pm, room 6-120

Friday

MIT Fall 1999 Career Fair - Undergraduate 10-4pm, Johnson Athletic Center
AMS Casino Night 8-midnight, Top of the Prudential

More information can be obtained from <<http://classof2002.mit.edu>>.



CHRIS JONES

HEMP TODAY, BONG TOMORROW— Around 40,000 people showed up at the 10th annual Freedom Rally on the Boston Common Saturday. While organizations like the Massachusetts Cannabis Reform Coalition passed out information and collected signatures for the decriminalization of marijuana, others spent the day perusing hemp-related products and listening to the various bands and speakers onstage.

Come join *The Tech* and report on late-breaking news, write about MIT's winter sports, review the latest movies, use Xacto knives, flame about administration policies, eat free pizza at our Sunday meetings, take pictures of important people, program our Web server, or count our money. Meetings every Sunday at 6 p.m. in Room 483 of the Student Center, or call Satwik at 253-1541.

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Bradley Encourages Collegiate Activism

Bradley, from Page 1

"Take college campuses: volunteerism has never been higher, but political activism has never been lower. We need to put the service back into politics. People need to recognize it as a way to help their country and fellow men," said Bradley.

Distribution of wealth a top issue

Bradley described the preservation of the current economic prosperity as his most pressing campaign issue.

"We need to manage economic fundamentals in order to continue the current economic prosperity and have it more broadly distributed," said Bradley.

Bradley also discussed his views on campaign finance reform. He would like to eliminate soft money contributions which allow corporations to influence policy through financial means. Bradley also said that general elections for the House and Senate should be partially publicly financed.

In a side note, Bradley mentioned that for his own campaign, he found the internet to be a useful tool for campaign fundraising. He claimed to have raised the most money of any presidential candidate in history through his website.

Education an important focus

Educational issues raised by the audience included school vouchers as well as the importance of teacher quality in public schools.

"Vouchers aren't the answer to problems in our public schools. Why? There are simply too many children in the current private school system to handle an influx of new students from public schools. Most private schools are currently

operating at 90 percent of capacity," Bradley said.

Bradley did, however, acknowledge there was a problem with education in America. He used his experience as a Senator in New Jersey as a frame of reference for his knowledge of the desperate situation in public schools. He stressed the importance of the quality of education and criticized the lack of good teachers in America.

"If you really want to make an impact, then you should consider teaching. There is no more important job for someone graduating from college than being a teacher," Bradley said.

Audience raises concerns

One audience member raised the issue of ethanol subsidies and their effect on the environment. Ethanol, otherwise known as grain alcohol, is used as an additive in such necessities as gasoline.

On this particular issue, Bradley has switched his stance in the past. He now does not support subsidies for ethanol use to corporate entities. In particular, Bradley cited the "dying family farms" and their takeover by large corporate farms.

Bradley described the factors which motivated his change in thinking, and mentioned that his time spent in Iowa before the caucus helped to change his mind.

Bradley also touched upon immigration issues and noted the need to regulate the system. He cited the "sweatshop conditions" that illegal immigrants often work under in the United States.

"Immigration is what this country is all about, but it must be regulated. You must enforce the laws on the books to preserve the rights of these people," Bradley said.

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* The event is also part of the Class of 2000 CAREER WEEK co-sponsored by the Society of Women Engineers, and the Graduate Student Council.

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- 29 Professional Development Seminar
- 30 Graduate Career Fair

UPCOMING PROFESSIONAL DEVELOPMENT SEMINARS

"WHY MANAGEMENT CONSULTING FIRMS HIRE PHDS"

ALAN M. KANTROW, Ph.D.

Chief Knowledge Officer, Monitor Group
Mon., Oct. 4, 5-7pm
Room 6-120

"WRITING A WINNING BUSINESS PLAN"

DR. EDMUND DUNN

Executive Director
MIT Enterprise Forum, Inc.
Wed., Nov. 10, 6-7:30pm
Room 3-133

"COMMUNICATION AND PRESENTATION SKILLS"

PROFESSOR LORI BRESLOW

Director, MIT Teaching and Learning Laboratory
Senior Lecturer, Sloan School of Management
Wed., Dec. 1, 6-7:30pm
Room 3-133

For description of each event and speaker profile refer to the web page <http://www.mit.edu/activities/gsc/Committees/ARC/PDS/pds.html>

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Be sure to look in next week's paper for the FINAL Hot Fact!

Open to U.S. residents, who, as of 9/6/99, 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 9/6/99 through 11:59 PM (ET) on 10/3/99 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, P.O. 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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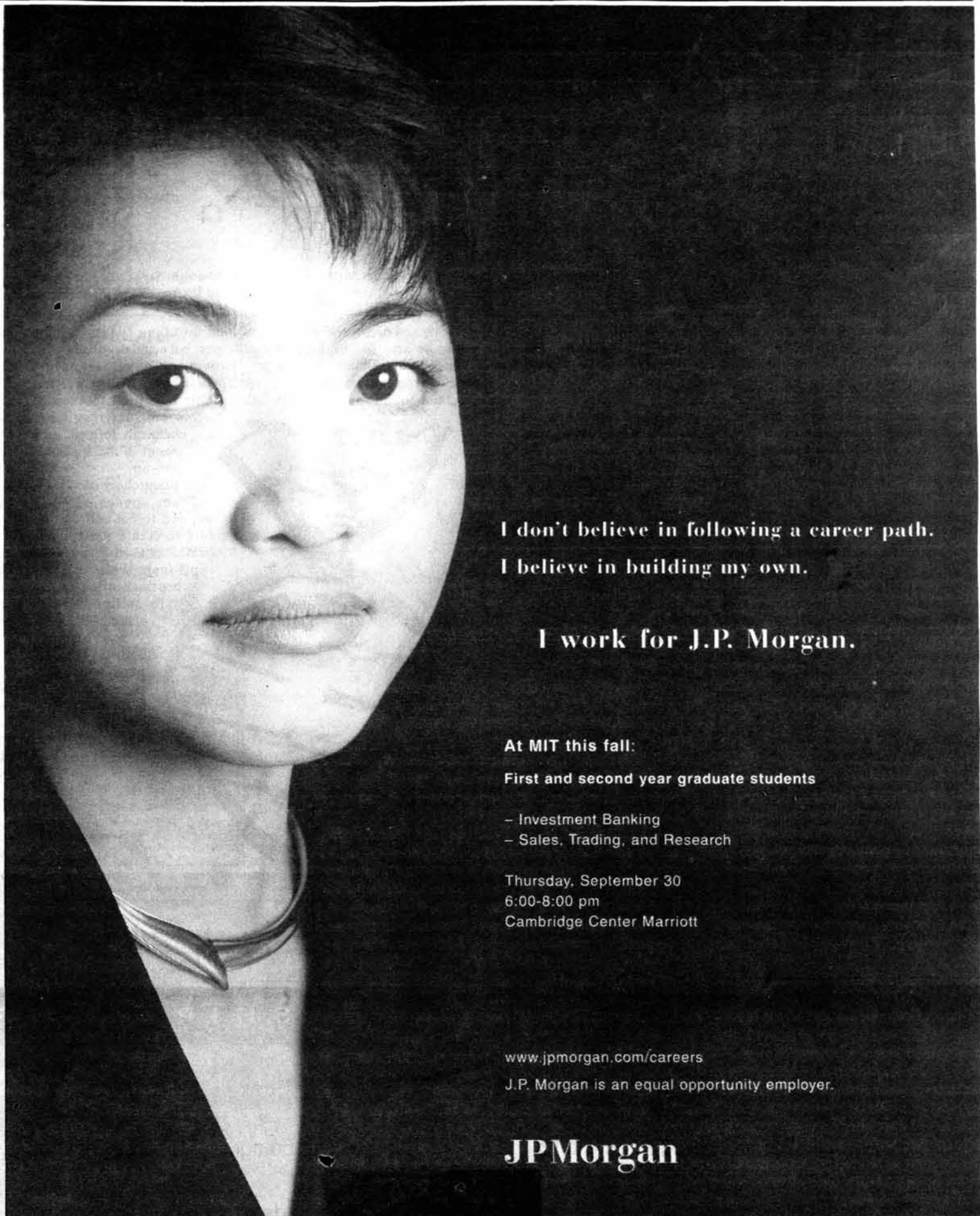
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Lippard Discusses Cancer Therapy at TBP Lecture

By Zareena Hussain

NEWS EDITOR

Chemistry Department Head Stephen Lippard discussed his lab's contributions toward the fight against cancer at the inaugural annual Tau Beta Pi lecture titled "Drug Discovery — From Serendipity to Rational Design in the Hands of Chemists."

Lippard's research has recently formed the basis for a Phase I clinical trial that will likely begin late this fall in conjunction with the Dana-Farber Cancer Institute. Patients will undergo a combination therapy that will include cisplatin — a Platinum containing anti-cancer drug — progesterone and/or estrogen. The exact details of the clinical trial have yet to be hammered out. For instance instead of cisplatin, an FDA-approved analog — carboplatin — may be used. Clinicians also have yet to decide whether they will use estrogen or progesterone or so combination of the two.

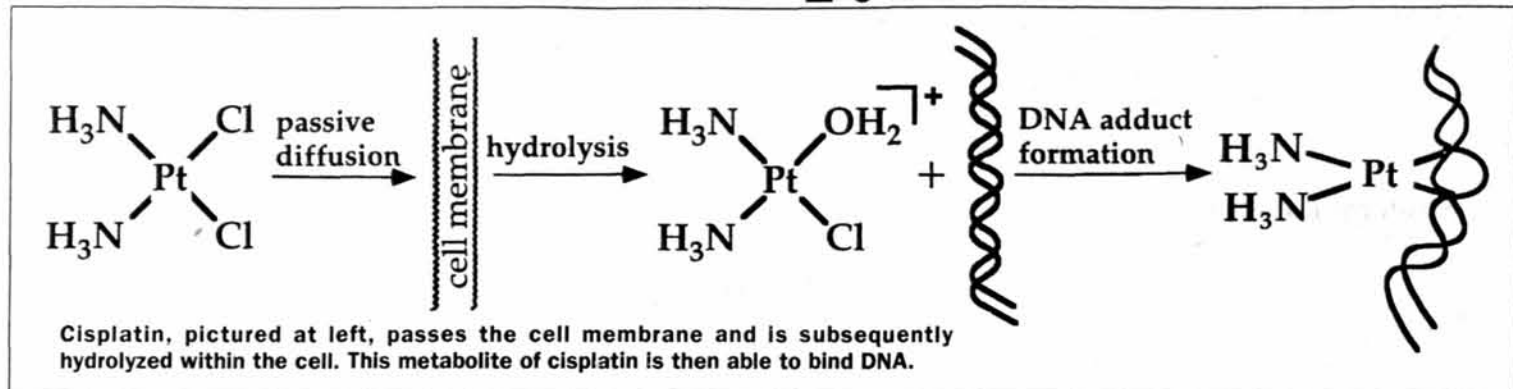
Cisplatin has formed part of Lippard's research since the 1970s. "It would be a very rewarding experience if many years of fundamental research were to have a practical consequence in the treatment of some forms of cancer," Lippard said.

A metabolite of cisplatin acts by inducing a conformational change in DNA. A working model for the mechanism of action of cisplatin postulates that the induced bend allows binding of proteins which contain the HMG (high mobility group) domain. Binding of the HMG domain protein in turn may prevent repair mechanisms within the cell that would otherwise remove cisplatin from the DNA. By limiting this process, according to the model, DNA replication and consequently cell division will not occur. Blocking of replication sets off signals within the cell that lead to programmed cell death.

"Just binding to DNA is not sufficient" due to repair mechanisms in the cell, Lippard said.

Rationale for the concomitant administration of the hormones progesterone or estrogen and cisplatin came from the idea that over-expression of HMG in cells would increase the efficacy of cisplatin in the treatment of cancer.

Unpublished work from Lippard's laboratory confirmed a previous



report in the scientific literature of increased levels of HMG1 (the first HMG domain protein ever isolated) in estrogen induced cells. HMG1 acts as a chaperone that helps form the active estrogen receptor. While not studied, a feedback mechanism could be at work in which an increase in estrogen levels increases production of HMG1 to help in formation of active estrogen receptors.

Cisplatin was first discovered to be effective in arresting cell division — and thereby a possible weapon in stopping the proliferation of malignant tumors — by physicist Barnett Rosenberg of Michigan State University. Rosenberg came across a picture of dividing cells which resembled the pattern produced by iron filings in a magnetic field.

This observation led to studies of

the effect on cell division in *E. Coli* by an electric field. In what Lippard pointed out in his talk as a striking example of serendipitous discovery, researchers found that the cells

formed into long filaments. The cells grew but could not divide.

However, as Rosenberg's group first postulated, it was not the electric field itself that caused this unusual result but chemicals formed as a result of the apparatus set-up. The researchers used platinum anodes directly applied to the cell culture media to create the electric field. Reactions between the platinum anode and this broth resulted in the formation of cisplatin.

Rosenberg isolated this cisplatin and used it to test lab mice with malignant tumors. Mice who did not

cancerous cells.

"It's not like the lock and key mechanism of an enzyme," said Chris Zeigler a postdoctoral associate working with Lippard. Cisplatin acts by binding adjacent guanine nucleotides (GG) in DNA. GG repeats occur often in DNA gene sequences.

The clinical studies of cisplatin hormone combination therapy have a two fold purpose: to assess the possible toxicity of combining the treatments and to assess HMG levels in patient biopsy tissue, according to Lippard. Study of the HMG levels will help to assess the validity of this particular model of cisplatin action in humans.

Phase I clinical studies in general represent the "initial introduction of an investigational new drug into humans," according to the Food and Drug Administration. The number of subjects in Phase I clinical studies generally range from twenty to eighty.

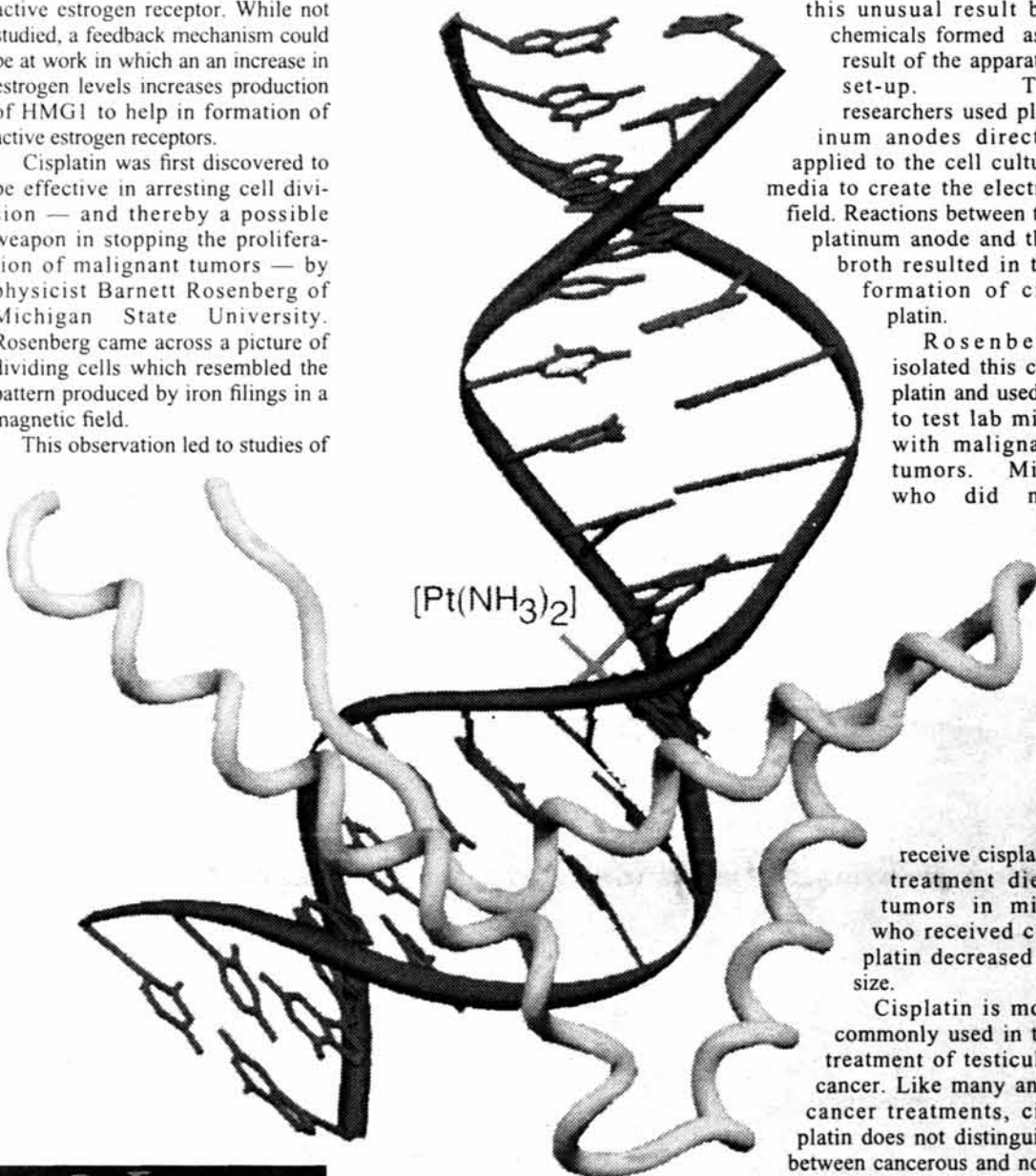
Cisplatin analog search continues

The search for cancer treatments, however, has not ended with this Phase I trial. Lippard also discussed his lab's efforts toward the high-throughput isolation of platinum-containing cisplatin analogs that might also be effective in cancer treatment.

In the course of this past summer, researchers in his lab have isolated about 3,600 such compounds. According to scientific literature, in cisplatin's 30-year history, about 3,000 analogs have been isolated, and characterized. Lippard described these efforts as "planned serendipity, but where serendipity is beat by numerology."

"We can match in three months" what took place of over the course of 30 years, said Zeigler, who is in charge of synthesizing the combinatorially produced compounds and assaying for their activity.

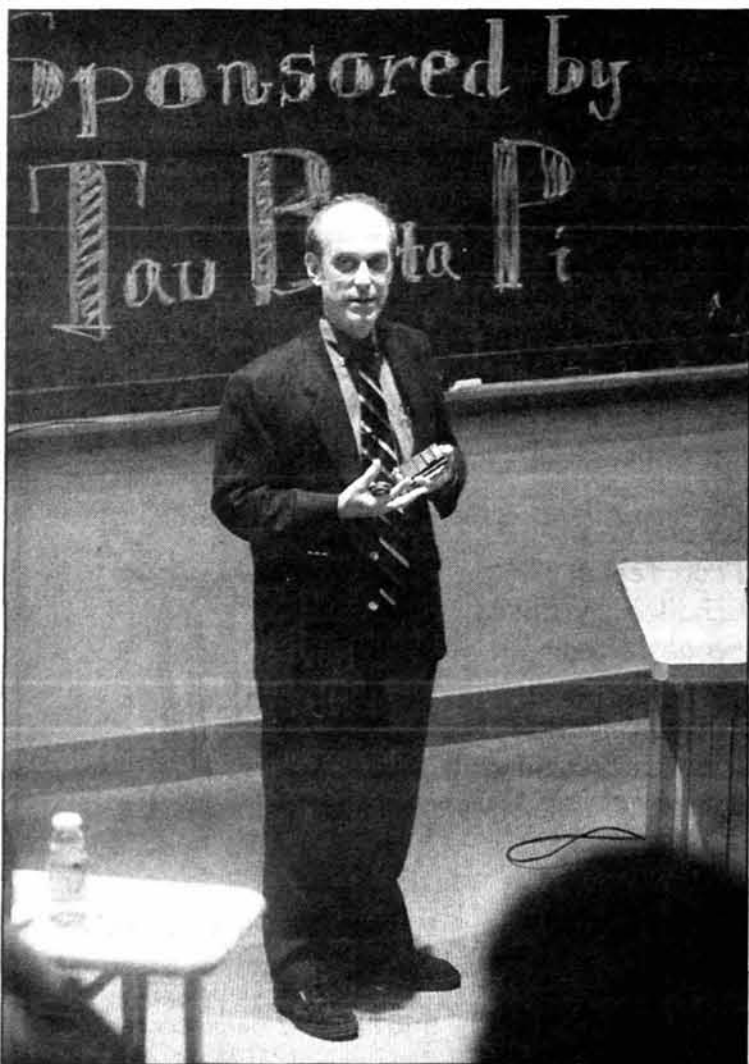
The technique has provided the basis for a patent application, according to Zeigler. Researchers may use the production and screening process of the cisplatin analogs to start a company.



receive cisplatin treatment died. tumors in mice who received cisplatin decreased in size.

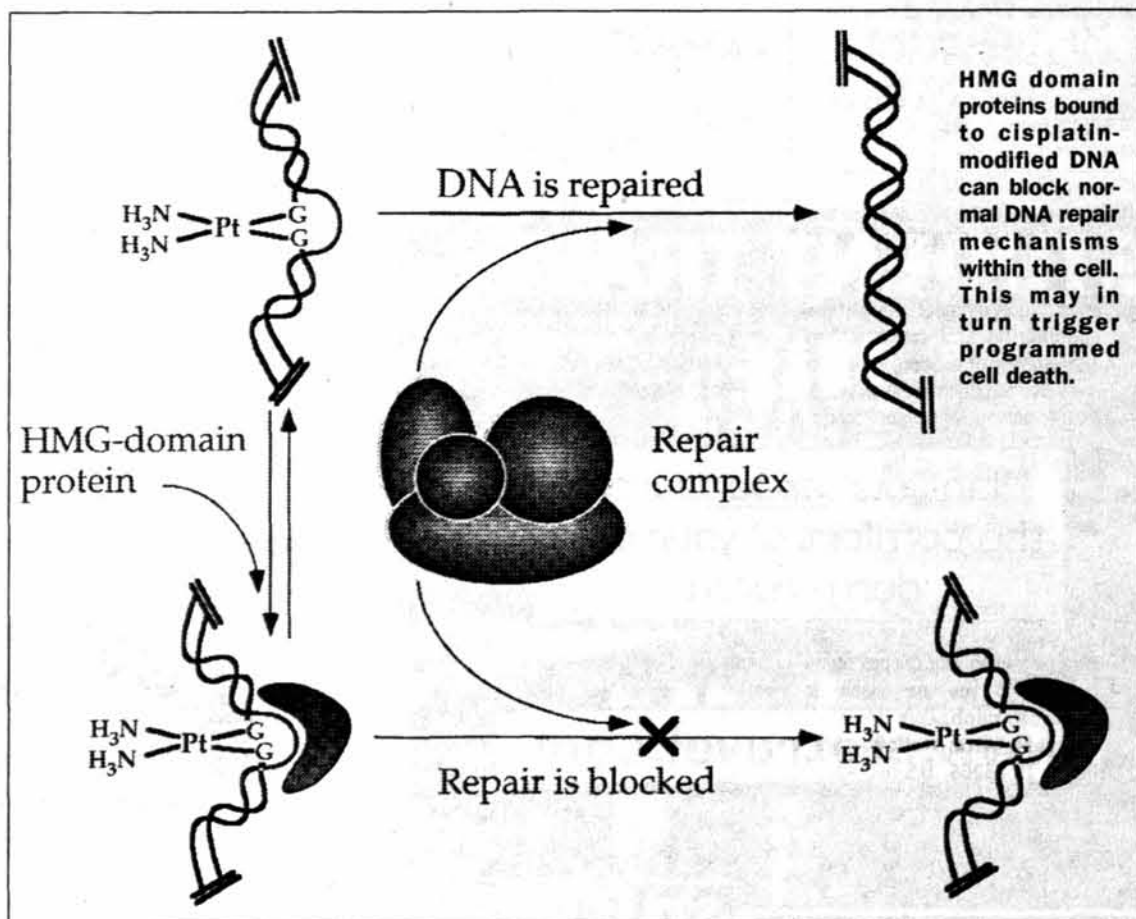
Cisplatin is most commonly used in the treatment of testicular cancer. Like many anti-cancer treatments, cisplatin does not distinguish between cancerous and non-

Cisplatin acts through binding DNA at adjacent guanine nucleotides and inducing a bend in the DNA strand. According to the model proposed by Professor of Chemistry Stephen Lippard, the cisplatin-modified DNA strand has a high affinity for HMG domain proteins.



STEFAN CARP—THE TECH

Professor of chemistry Stephen Lippard speaks at the inaugural Tau Beta Pi - Leonardo Da Vinci Dinner Wednesday. In his lecture, "Drug Discovery — From Serendipity to Rational Design in the Hands of Chemists", Professor Lippard discusses his research into anti-cancer medications.



GRAPHICS COURTESY OF STEPHEN LIPPARD

Undergraduate and Graduate Students

You are Invited

to join the Corporation Joint Advisory Committee on Institute-Wide Affairs (CJAC) and the Corporation Screening Committee for the Nomination of Recent Graduates for a dinner meeting on

Thursday, September 30, 1999

6:30 - 8:30 pm

Ashdown House - West Dining Room

This meeting will provide an opportunity to learn about the process to elect a recent graduate to the MIT Corporation. This year, all 1998, 1999, and 2000 graduates are eligible to be nominated. There will also be an update on the implementation of the recommendations of the Task Force on Student Life and Learning.

If you would like to attend, please call Michele Hinkle in the Corporation Office, 3-2059 or <mdhinkle@mit.edu>.

Please reply by September 28.

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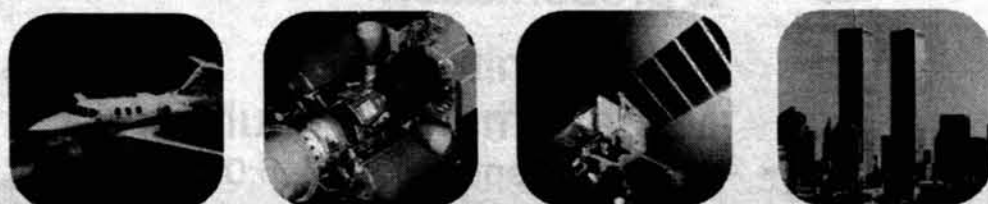
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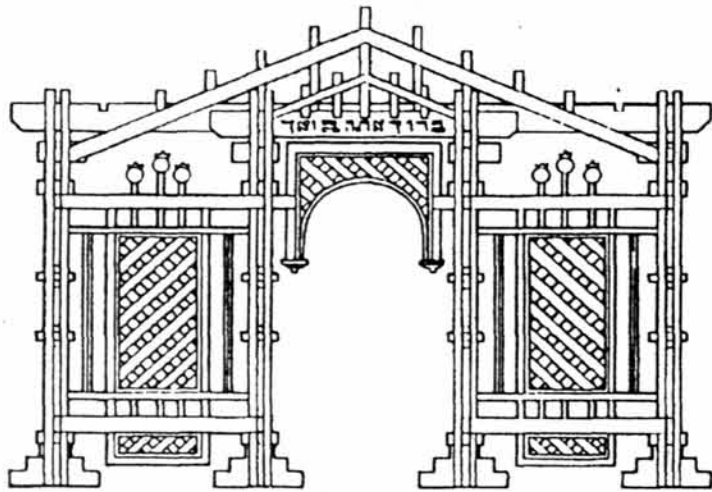
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BPD Now Asks FSILGs to File Assembly Occupancy Permits

Parties, from Page 1

then submitting floor plans and occupancy number to the Boston Fire Department.

"BPD came to the DU party for reasons unknown to me and shut it down because they exceeded their listed occupancy of 42 persons," Dorow said.

In previous years, BPD has not asked that MIT FSILGs have assembly occupancy permits to conduct large events.

The city of Boston first became concerned when Boston University officials filed a complaint with the BPD that MIT fraternity Alpha Epsilon Pi posted for a small social event in public areas near their house at 155 Bay State Rd.

The BPD issued AEPi a license premise violation and charged them for unlicensed entertainment, flyers

posted on public property, and advertising an event open to the public.

"At this point, MIT approached the city of Boston wanting to talk about the big picture concerning all 25 ILGs in Boston," Dorow said. The Mayor's Office of Consumer Affairs and Licensing agreed to discuss, and the AEPi situation was not further pursued by the BPD.

After MIT informed the city of Boston of the nature of various types of events at FSILGs, the Mayor's Office of Consumer Affairs and Licensing wanted to require large events to be registered with the city, but backed down when MIT offered to share party registration information collected by the MIT Campus Police with the BPD.

An agreement between the city and MIT was only reached in mid-

August, at which point Dorow notified Boston FSILGs of the requirements they would have to meet. However, Dorow was unable to provide instructions until Tuesday, September 7, three days before the first Friday night of the term when several fraternities had registered with the Interfraternity Council to have parties, and the night DTD's party was shut down.

Inspectional Services was unable to process the volume of assembly occupancy requests in time for the weekend of September 17, and suggested that MIT grant FSILGs leniency for another week.

The Mayor's Office of Consumer Affairs and Licensing, however, would not agree to grant houses a grace period to obtain an Assembly Permit.

Mike Hall contributed to the reporting of this article.

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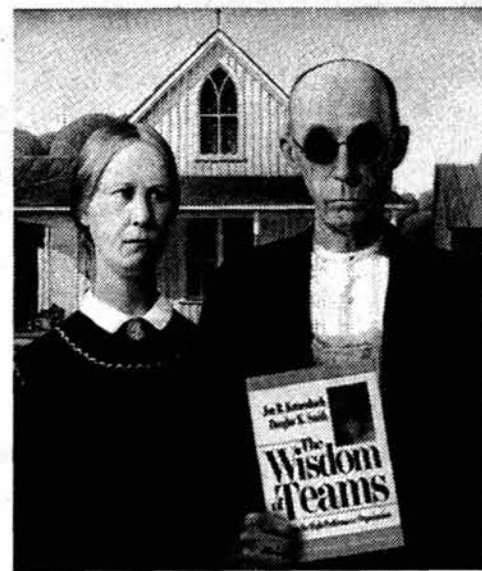
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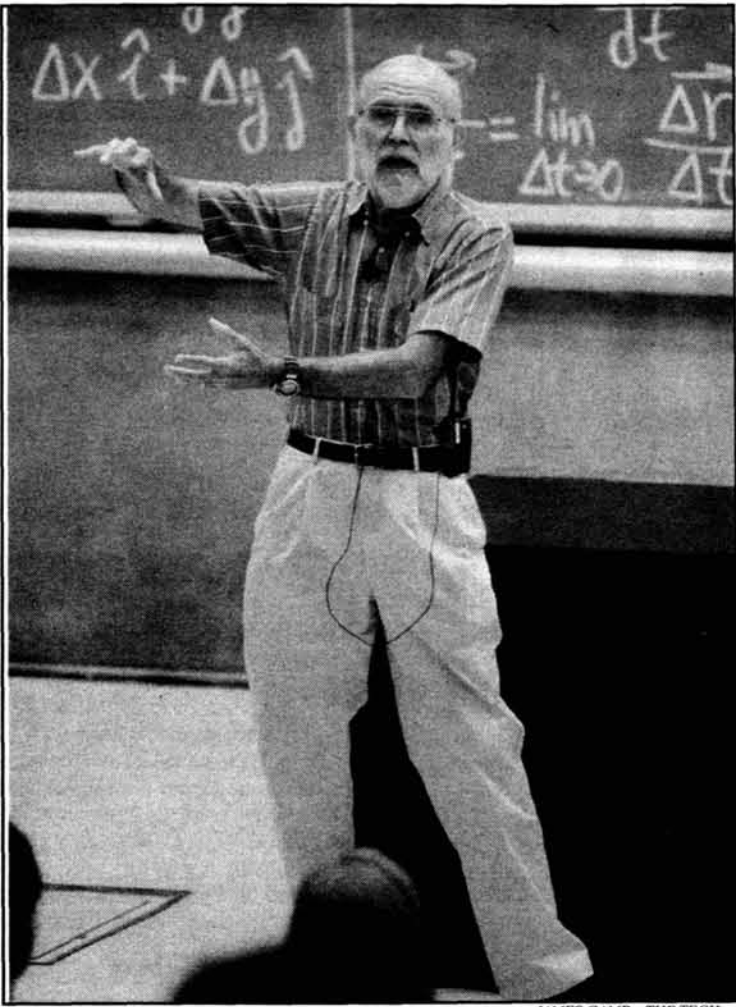
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JAMES CAMP—THE TECH

Professor Emeritus Michel Baranger shares his experiences as a graduate student working with Richard P. Feynman during Tuesday's authors@mit lecture. His talk opened a panel discussing *The Pleasure of Finding Things Out*, a posthumous collection of Feynman's short works.

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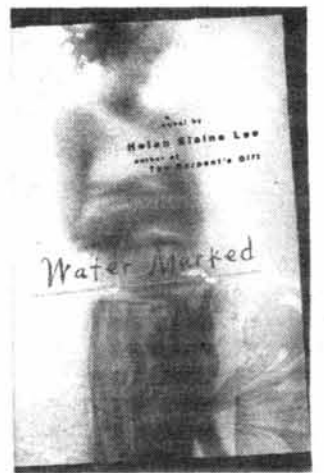


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Women's XC Places Well at Dartmouth

By Deborah S. Won
TEAM MEMBER

TESTThe women's cross country team continued its early season success by placing 7th out of 35 teams, 21 of which fielded a full scoring team, at the UMass-Dartmouth Invitational last Saturday. Each team was allowed up to 8 entries in the varsity race, and all other entrants competed in the open race, in which six Engineers represented MIT.

MIT's varsity competitors lined up at the start for a very competitive race against many strong cross-country teams, including top New England Division III schools Colby College, Springfield College, and Wellesley College, as well as some Division II schools.

With the excitement of a large, competitive field, as well as the anticipation of a quickly narrowing path at the start, the race began with a sprint for the first 100 meters. MIT's pack got caught slightly farther back in the crowd of runners than expected, but their first mile split was right where they wanted it to be. They fearlessly pressed on to pick off opponents for the remainder of the race—most notably moving up in place was Crystal A. Russell '03, who passed over 20 runners after the first mile. The others in this powerful group include Marissa L. Yates '03, Margaret F. Nervegna '01, Jantrue Ting '00, and Aimee R. Ginley '03. Meanwhile, Deborah S. Won '00 stayed with the lead group for the first mile and broke away during mile 2 to keep up with a Springfield rival. However, she was unable to catch her opponent and finished 7 seconds behind the winner for a 2nd place finish with a new personal record of 17:39.

Runners finish together

The Engineers took advantage of the very flat course and great competition to run fast races, and for some, the fastest races of their lives. Yates not only finished as the first freshman among the 158 finishers, she cut an amazing 45 seconds off her previous personal record to run a 19:22 and finish 15th overall. Tech runners once again finished with a formidable pack which included Russell, Nervegna, Ting, and Ginley all finishing within 21 seconds of each other at 20:15, 20:18, 20:35, and 20:36, respectively. The 20:18 mark was a hard-fought and well-deserved personal record for Nervegna.

But even all these beautiful performances did not conclude all the excitement for MIT that day. Molly Jones annihilated her goal of sub-24 to run a 22:32, well over a minute off her previous personal record.

The team's total score of 139 put MIT just 8 points behind Wellesley, although their average time was a second faster, despite not having one of its top runners, Patricia M. McAndrew '03, due to injury. To have their top 6 runners, not including a few currently injured runners, all in the mid-20s or faster is an indication of a very strong team. The hard training and dedication of the Tech harriers is already paying off and is not about to stop.

Junior varsity team performs well

Even with some setbacks in the past few weeks due to back spasms, Leah G. Nichols '00 led MIT's JV team with a time of 21:57, while Kimberly J. Seluga '02 came in at 22:47. Chi-An Wang '01 and Alison R. Wood '01 worked nicely together throughout the race to finish in 23:41 and 23:43, respectively. Showing great determination, especially in the last mile, Farheen Quadir G completed her first race of the season in 24:57. In her first cross-country meet ever, Jean M. Barnwell '03 crossed the line at 26:48.

They will be competing at the Codfish Bowl at Tufts University on Saturday.

Tennis Preseves Perfect Season By Topping Babson, Mt. Holyoke

By Nisha Singh
TEAM CO-CAPTAIN

On Saturday, the women's tennis team travelled to play Mt. Holyoke College in a New England Women's and Men's Athletic Conference match. In the past, this team had not given MIT too much difficulty. However, after acquiring some talented freshmen, they gave MIT a run for their money. MIT did pull out the match, staying undefeated, winning 5-4.

In doubles play, the top teams won easily while the others struggled. The first doubles team of co-captain Mealani K. Nakaumura '00 and Kelly J. Koskelin '02 easily won 8-2, while the second team of Julie J. Koo '03 and Jessica Hall '02 blanked their opponents 8-0. However, the third doubles team of Nisha Singh '00 and Yi-Ning Cheng '02 lost 8-6, after coming back from deficits of 6-3 and 7-4. The fourth doubles team of Doana Cecan '00 and Jessica M. Yeh '01 lost 8-4, and the fifth doubles team of Jean C. Yang '00 and Ann Hsing '02 hung tough but lost 8-6.

Leading 2-1 going into the singles, MIT knew that the match was far from over. Nakamura, Koskelin,

and Koo cruised at first, second, and third singles, losing a combined 6 games between them. Their scores were 6-1, 6-1; 6-2, 6-2; and 6-0, 6-1, respectively. Hall lost at fourth singles 6-2, 6-0, and Cecan lost a marathon match 7-5, 7-6 (6) at fifth singles. Singh had the most roller-coaster match of the day at sixth singles. After dropping the first set 6-0, she bounced back to win the second set 6-3 after having a 3-0 lead evaporate to 4-3. However, to the credit of her Mt. Holyoke opponent, she was simply outplayed in the third set losing 6-2. Her doubles partner, Cheng, rolled at seventh singles, winning 6-1, 6-1.

Yeh lost at eighth singles 6-2, 6-0, and Yang lost at 7-6 (4), 4-6, 6-1 despite playing for three hours.

Hsing lost 6-2, 6-1 at tenth singles. Though it was an emotionally draining day, the coaches had some thoughts. Head coach Carol Matsuzaki said, "It was a good win over a much improved Mt. Holyoke team. More importantly, many of our players got much needed playing experience."

First-year assistant coach Roxann Blanchard agreed. "We lost some close ones which is always tough, but it was a great team win. I was really impressed with everyone's attitude and effort."

Another sweep against Babson

On Tuesday, the women's tennis team travelled to Babson for a

Tennis, Page 34

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Men's Cross-Country Earns an Unexpected Win vs. Tufts, Bates

By Sean P. Nolan
TEAM MEMBER

The MIT men's cross country team travelled to Maine on Saturday prepared to do battle against nationally ranked teams Tufts (12th) and Bates (19th). The Engineers had only a slim chance of winning the meet, but this did not discourage the Tech runners. Also to MIT's advantage, the numbers 2 and 3 runners for Tufts and the number 3 runner for Bates were out with injuries.

The course was populated with quad-burning hills and was slightly long at 5.05 miles. Due to rain from Hurricane Floyd, a section of the course was under water so a last minute course alteration was made, adding uncertainty to an already tough course. The Engineers handled the difficult terrain well, and in the end MIT won the meet with a close final score of 40 to Bates' 41 and Tufts' 44.

Daniel R. Feldman '02 of MIT, Mike Danahy of Bates, and Matt Lyons of Tufts sped through the first mile in 5:03 despite the

numerous hills to form the lead group. Two Bates runners lurked close behind the lead group and about 20 seconds behind them was the main pack, consisting of a mix of MIT, Bates, and Tufts runners.

Around mile three, the lead group began to string out, with Danahy leading, Feldman in second, and Lyons in third. Edward A. Keehr '01, and Sean Montgomery '01 were close on the heels of All-American miler Matt Twiest of Bates, and were themselves closely shadowed by one Bates and two Tufts runners. Another battle was going on in the third group, consisting of two MIT runners, Phillip J. Loiselle '01, and Liyan Guo '01, two Bates runners, and two Tufts runners. Meanwhile, a group of three MIT runners — W. Frank Johnston '00, Christopher S. McGuire '00, and Sean P. Nolan '03 — were gaining ground on the other teams' fourth and fifth runners. The race was turning out to be very evenly matched.

Teams fight for a difficult win

At mile four, the top three positions remained unchanged, while

Keehr and Twiest were in a struggle for 4th place. Montgomery and Loiselle were racing well but were no longer able to gain ground on Tufts' and Bates' number 3 runners. However, Johnston, Guo, McGuire, and Nolan were gradually pulling away from Tufts' and Bates' 5th runner.

The positions remained the same through the finish, with Feldman 2nd, Keehr 5th, Montgomery 9th, and Loiselle 11th. Through four runners, the score was Bates 24, MIT 27, and Tufts 27. The outcome of the meet was still in question. Johnston was the 5th runner for MIT, and Guo, McGuire, and Nolan all finished ahead of both opposing teams' 5th runner, helping to secure a one point victory over Bates.

All the Tech runners gave a great effort in this grueling race, and thanks to strong performances from the team's top runners and good strategy implemented by the entire team, MIT was able to defeat rivals Bates and Tufts. This Saturday the cross-country team competes in the Codfish Bowl at Grafton, where its teamwork will again be tested.

Baseball Wins Three Of First Four Games

By Ethan T. Goetz
TEAM MEMBER

MIT varsity baseball started its fall schedule on September 11 with some timely hitting, solid defense, and top-notch pitching, a recipe that will usually lead to victory.

On a beautiful Saturday morning, MIT squared off against a solid Worcester State squad. Remembering a 6-4 defeat at the hands of Worcester St. last spring, the boys were anxious to get on the board early. The Engineers took an early lead on a first inning sacrifice fly from David M. Piho '00, scoring Ryan S. Balter '99. Worcester St. battled for 2 runs over the first 4 innings, and the score stood at 2-1 until a two-out single to left center by Ahren M. Lembke-Windler '00 tied the game.

Starter Jason E. Szuminski '00 gained momentum and mowed down Worcester in the 5th and the Engineers took the lead for good in the bottom of the fifth. Balter, the quintessential lead-off man, started the inning with a single to left and quickly got into scoring position with a stolen base. A double by Ethan T. Goetz '00 knocked in Balter, and Piho followed with an RBI single to right.

Although Worcester tried to rally, Szuminski proved too much to handle, as he finished with a complete game win, 4-3. Szuminski's blazing fastball and the Engineers' superb defense were key factors in the victory.

In game two of the doubleheader, Worcester jumped on the score board early, with three home runs in the first three innings. They tacked on three more and by the fourth inning, the score stood 8-2. Rob Wieker '03 threw a scoreless 5th and 6th, and Windler finished the 7th. But the Engineers knew they had the bats to rally, and tried to do just that. Windler opened the bottom half of the 7th with a double to left-center. Two quick outs left the Engineers at the top of the order with nothing to lose. Balter drew a walk and Goetz singled up the middle, loading the bases.

Timothy J. Gilmartin '01 then came through with a two-run single to left, and after Piho drew a 4-pitch walk, Christopher J. Albrecht '00 doubled in two more. Worcester St. then brought in their closer to extinguish the fire, and he did just that, inducing a ground out to second base to end the game.

Engineers sweep doubleheader

One week later, on September 18th, the Engineers battled from behind again, this time against Endicott. In game one, the always-reliable Windler took the hill, but the Engineers got behind early and the situation looked dim. Endicott's righthander was mowing down our boys, until the 5th when three consecutive singles by Albrecht, James R. McDonald '01, and Jason A. Poff '02 produced a run, cutting the deficit to 5-1.

Windler silenced Endicott in the top half of the 6th, and when Endicott made a pitching change, the Engineers took advantage. Brian Furgala '02 opened the inning with a walk, and Windler followed with an infield single. Balter loaded the bases with a perfect bunt single, and Goetz knocked in two with a single up the middle, cutting the score to 5-3.

Gilmartin then tripled into the left-centerfield gap, driving in two more and tying the score. After reaching on an error, Piho then stole second and induced a poor throw, allowing Gilmartin to score from third.

McDonald (2-3 in the game) proceeded to tack on an insurance run with a single to left scoring Piho. With the game now 7-5 in favor of MIT in the top of the 7th, the momentum was in the arm of Lembke-Windler. With nine consecutive strikes, including two strikeouts, Windler finished off Endicott for a complete game victory.

Game two saw the Engineers again fall in a hole. Endicott scored two in the first on a string of bloop singles, and added one more in the second to lead 3-0 after three innings. Albrecht, who relieved Piho on the hill in the top of the 4th, opened the scoring for MIT in the 5th with a two-out two-run single to left, closing the margin to 3-2.

Windler started the bottom of the 6th with a single and two stolen bases, and Jonathan A. Coe '02 scored him with a perfectly executed suicide squeeze. This tied the score at 3, but the Engineers weren't done just yet. Balter then knocked in the go-ahead run with a single to left, making the score 4-3. So again the Engineers took a close lead to the top of the 7th, and again they made Endicott go quietly. Albrecht pitched a fantastic final four innings to pick up his first win of the fall.

Tourney next for Engineers

This weekend the Engineers look to continue their winning streak as they host the annual MIT Fall Classic. On Saturday, MIT will compete against UMASS-Boston at 10 a.m. and Worcester Institute of Technology at 2 p.m., and Sunday the Engineers will square off against Suffolk University at 10 a.m.

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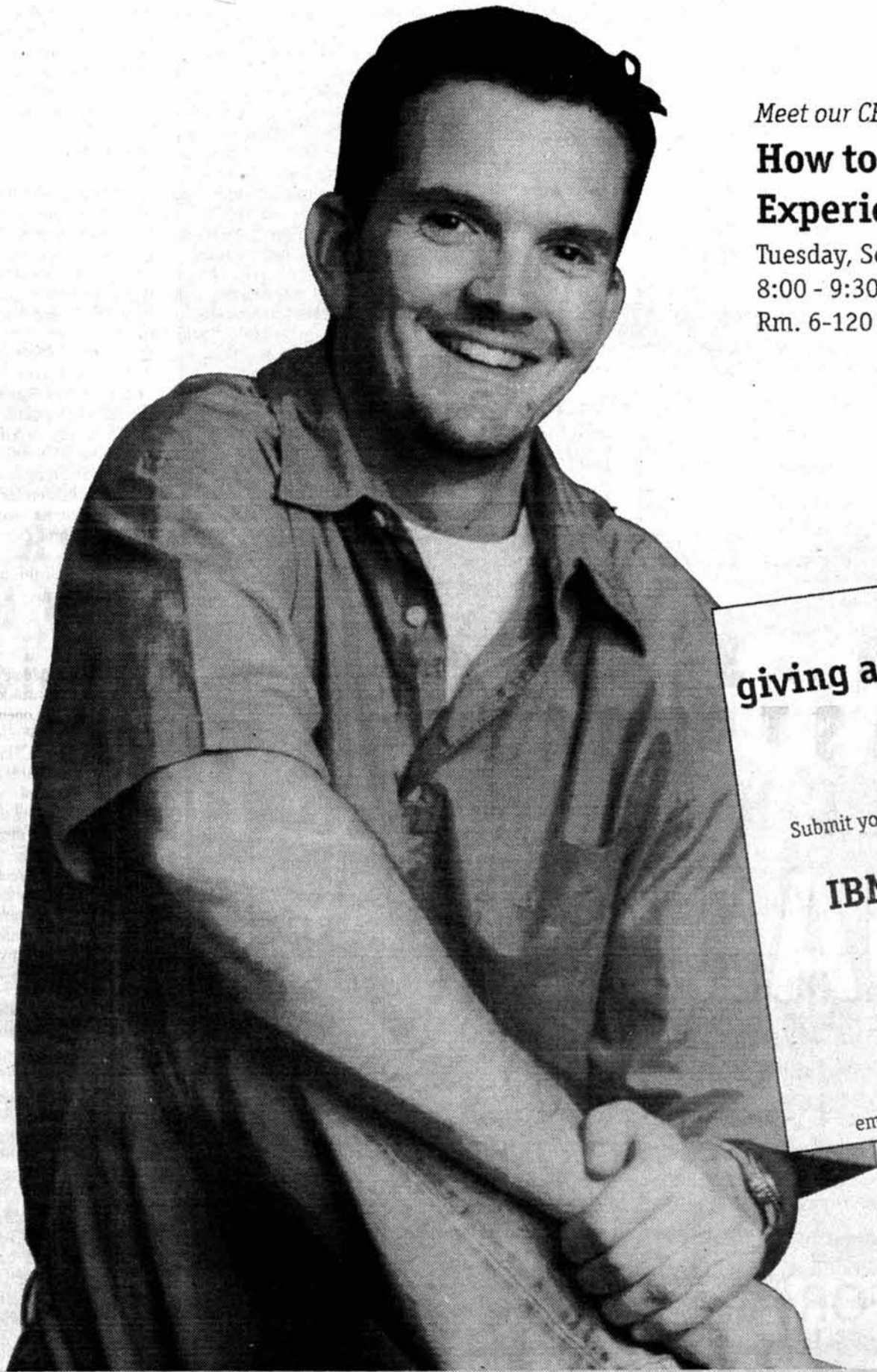
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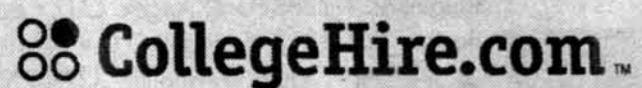
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Rethink your job search.

Rugby Tournney Raises Money for Cancer Research

By Steven J. Murray

MEMBER

Under brilliant skies, the Beacon Hill Dinosaurs rugby club won the closest contest in the history of the Jim Culliton tournament as donations and a matching grant from BBN raised \$2,000 for the American Cancer society. This tournament, started in 1997, is played annually in memory of Jim Culliton, the former MIT director of finance who was a player on and great supporter of the rugby club. In a great loss to the rugby club and the MIT commu-

nity, Jim died of cancer in 1996.

The tournament featured six teams, including the MIT A side and an MIT alumni side that comes together each year for the tournament. The A side, struggling this season after the loss of several starters, started with a 10-0 loss to an athletic side from Quinnipac College. Though the score turned out against the home side, the tough defense in the face of a continued attack from a strong side was a good sign for the struggling club.

The alumni side started off with a strong performance against a Seacost side from Portsmouth, New

Hampshire, that set up a decisive match with Beacon Hill, with the winners advancing to the final. The Old Boys started strong with an unconverted try to go up 5-0. Beacon Hill converted a penalty, and then put a converted try through in the second half to go up 10-5. The match was spirited with several altercations breaking out in the middle of the match.

While regretting the outbreak of unpleasantries, Old Boy forward Brett Masters said, "You've got to hold your ground out there — if they come out swinging, you can't come back shoving." After having a player

forcibly removed from the match by his wife, the Old Boys came back with a try in the closing minutes to tie the score at 10 apiece. Unfortunately for the MIT alums, Beacon Hill fullback Marc Guinness hit a drop-kick from near the halfway line to put Beacon Hill up for good 13-10.

The MIT A side fared better in its second game, handily beating Babson and qualifying for the third place match against Seacoast. The scoring was opened up as inside center Attila Lengyel G took the ball in off the left side for a try in the first half. The defense remained strong the entire game as forwards John Shen '02 and

Dionysio Siegel H'G shut down the loose play around the scrum and the back line was applying consistent pressure. Seacoast was able to score two tries in the match, but never converted. MIT won on a converted try by James Partridge.

Beacon Hill pulls out the final

The final proved one for the ages as Quinnipac and Beacon Hill battled for 60 minutes to a 0-0 tie. Quinnipac had constant control of the ball and were always threatening, but Beacon Hill's defense was solid and the Dinosaurs refused to let the younger team past the try-line.

With three penalties called near the posts in the second half, Quinnipac never elected to kick for points, always attempting to punch it in for the try. Alas, the whistle blew for full time, and with the tournament tiebreaker of tries scored also matched at 4 apiece, the tournament came down to a sudden death kicking match.

Giving a notion as to why they had not elected to kick before, the Quinnipac kicker hooked the first kick to the right, and Beacon Hill's fullback put the tournament in the bag by slotting the next kick. Questioned about the win against the athletic young side, Dinosaur fullback Guinness simply said, "I'm glad we don't have to do that again."

As the sun dropped below the horizon, the tournament trophy was presented to Beacon Hill, and all involved praised the quality of play, and were pleased to have raised so much for a good cause.

Clark U. Next For Tennis

Tennis, from Page 31

NEWMAC conference match. Despite threatening skies, the match was completed, with MIT earning a 9-0 sweep and remaining undefeated for the season.

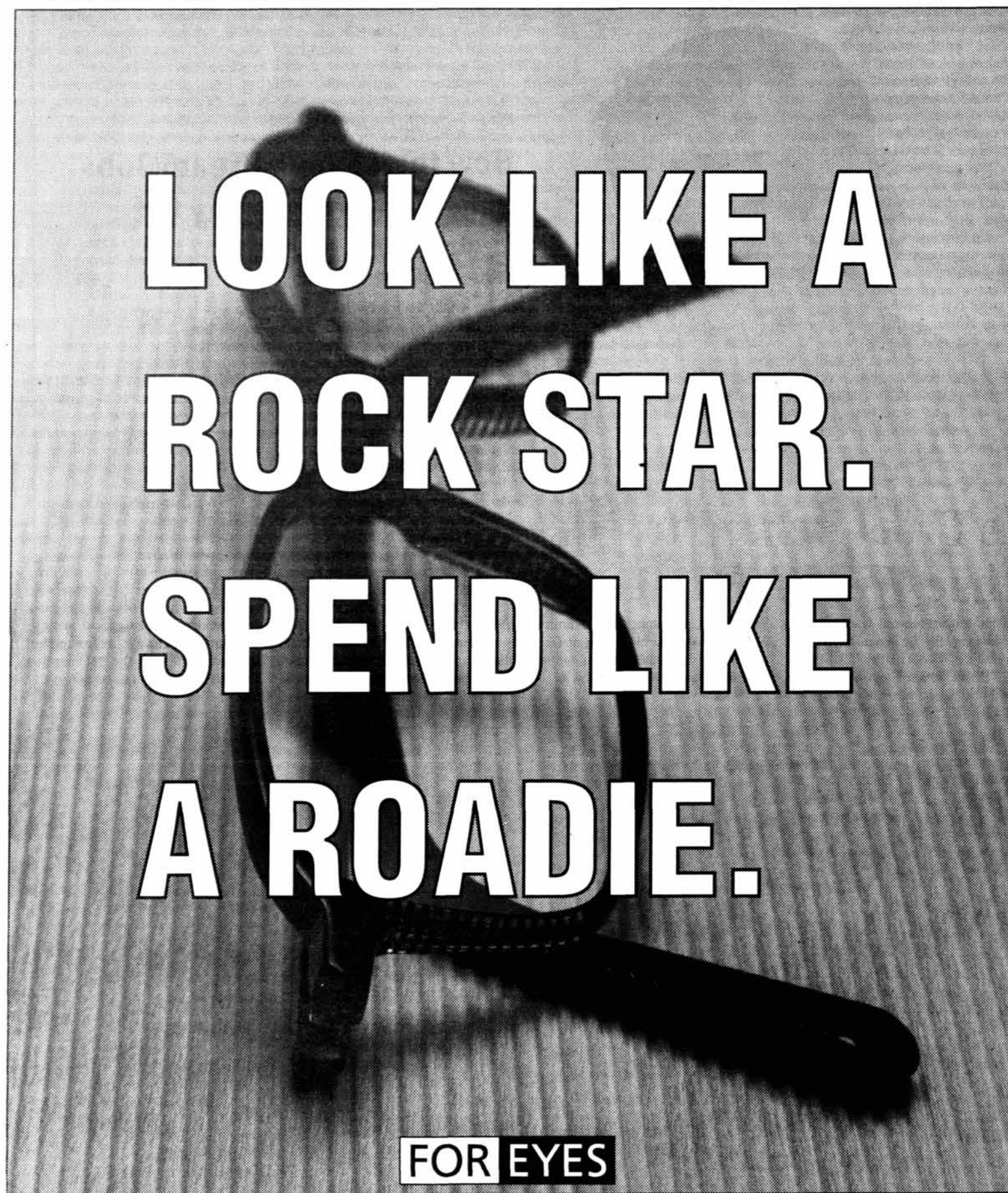
In doubles play, Koo and Hall simply overpowered their opponents, winning 8-1 at first doubles. Singh and Cheng struggled through a match that saw many lead changes and ties. They used grit and determination to grind out a 9-7 victory. The third and fourth doubles team both won easily. Cegan and Priscilla P. Cheung '02 won 8-2, as well as Phebe Y. Wang '02 and Yang.

Going into singles, conditions were rough. It looked like the skies were going to open up at any minute, and it was already dark. The Babson courts had no lights, so MIT wanted to play well and claim the victory. They did just that, with Koo and Hall winning their matches without dropping a game (6-0, 6-0) at first and second singles. Cegan had a difficult first set at third singles 7-5, but once she got through it she was in the home-stretch, winning the second set 6-0.

Singh had no problems at fourth singles, racking up a 6-2, 6-0 win. Fifth and sixth singles were both very competitive. Cheng dropped her first set 6-1 at fifth, but pulled herself together, blanking her opponent 6-0 in the second and winning the third set 6-2. Cheung had the longest match of the day, outlasting her opponent into the dark with a 6-4, 6-4 win. Wang and Yang were unstoppable at seventh and eighth singles, both winning 6-0, 6-0.

Head coach Carol Matsuzaki seemed pleased. "Once again we had a couple of close matches that we managed to pull through. It is important that we stay focused as we go into the heart of our season as well as deeper into the academic year."

MIT travels to Worcester to play Clark University on Saturday in a conference match. They then travel to Maine to play Colby College and Bates College in a non-conference doubleheader on Sunday.



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Several Engineers Earn Weekly Honors

By Roger Crosley
DIRECTOR OF SPORTS INFORMATION

With fall sports moving into full swing, several MIT athletes have received conference recognition for accomplishments in their respective sports.

Sport Shorts

In the New England Women's and Men's Athletic Conference, tennis player Mealani K. Nakamura '00, MIT's number one, was the player of the week for the week ending September 12. Nakamura defeated her opponent from Springfield College 6-0, 6-0, and teamed with her doubles partner to defeat the Springfield number one doubles pair 8-2.

MIT also had the player of the week in NEWMAC volleyball and women's soccer. Setter Ali C. Huang '00 was the selection in volleyball for the week ending September 19. In two conference wins, Huang averaged 11.5 assists and had a hitting percentage of .875.

A first year student earned honors in women's soccer. Forward Kelli A. Griffin was co-player of the week with an athlete from Wheaton College. Griffin scored two goals and added two assists in a 5-4 victory over Emmanuel College. Griffin scored the tying goal and assisted on the game winner.

In the New England Football Conference three players have been named to the Weekly Honor Rolls. In the first week, senior defensive

end Nikolas O. Kozy '00 and Maik Flanagin G were each selected. In MIT's victory over Framingham State College, Kozy had 10 tackles including two quarterback sacks for losses of 23 yards. Flanagin ran the ball ten times for 101 yards. The following week, in a loss to Mass Maritime Academy, linebacker Brian L. Licata '01 earned the honor roll slot. Licata had 19 tackles, including twelve solo stops.

The MIT sailing teams are off to a tremendous start. In the latest rankings by Sailing World magazine, the Engineers are ranked fourth in the nation in the co-ed varsity, and are the eighth ranked women's team. Last weekend the co-ed varsity captured the "Hatch" Brown Trophy. MIT captured both the A and B Divisions in the regatta. In the A Division senior Sean C. Fabre '00 and Erin K. Shea '02 combined to defeat the field by a margin of 55 points after 18 races.

Alan A. Sun '00 and Mandhulika Jain '00 captured the B Division by 36 points.

MIT water polo team is currently ranked seventh in the nation in Division III by the College Water Polo Association.

In women's volleyball, the Engineers have climbed to fourth in the New England Division III poll.

MIT field hockey coach Cheryl Silva and her program have recently been featured on an internet web page called <<http://www.TopOfTheCircle.com>>.

Soccer Comes From Behind to Pull Out an Overtime Win vs. Emmanuel

Soccer, from Page 36

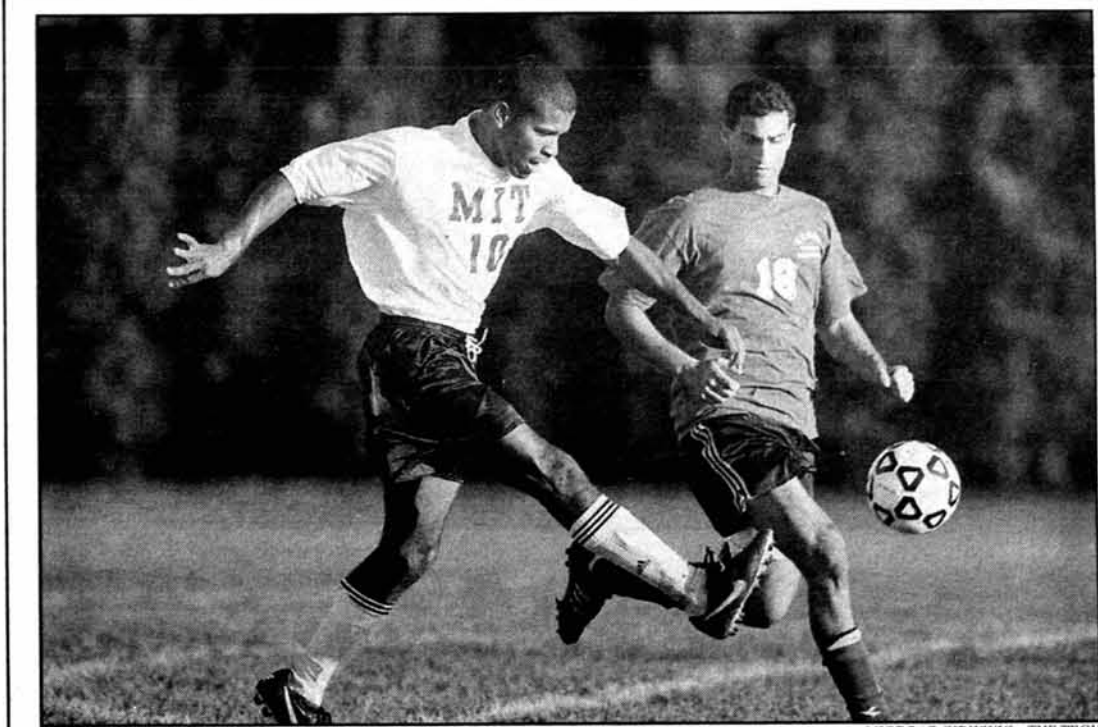
Nassar and Clinton.

MIT defeats Emmanuel in OT

In their most recent action, MIT came away victorious in an overtime 5-4 game against Emmanuel College. Emmanuel started out the scoring with two goals off of breakaways in the first half. MIT managed to counter with one of their own as Tam scored off a cross from Burianek. Down 2-1 coming into the second half the Engineers domi-

nated from then on, with key support from the freshmen team members. Kelli A. Griffin '03 assisted fellow freshmen Clinton in the 67th minute to tie the score. Griffin then put the Engineers ahead with her own goal two minutes later. Late in the second half, Emmanuel came back with two goals of their own, to lead MIT 4-3.

Griffin came through again for MIT with a goal with only six minutes remaining. With the score tied after 90 minutes of regulation, the teams entered sudden death over-



Forward Fito Louis '00 pushes the ball upfield in Thursday's match against the Curry College Colonels. The Engineers won 3-0.

Football Hopes for First Win Over NEFC Powerhouse Salve Regina

Football, from Page 36

and numerous pressures that harassed the MMA punting game into a paltry 29.4-yard average.

However, although the Beaver defense accomplished its game plan of shutting down O'Malley and Reading, it greatly underestimated

the Burrill's talent. His slippery moves and breakaway speed hurt the Beavers, particularly in medium-range third down situations. Burrill consistently made first tacklers miss, earning two to three extra yards per run before being brought down. In addition, his ability to turn on the jets and beat the pursuing defense to the outside made sweeps and outside runs a favorite call for the MMA offense, a thorn in the side of the MIT defense, and the deciding factor in Saturday's contest.

Salve Regina next on Saturday

Toppa Field in Newport, Rhode Island is the site of tomorrow's contest between the visiting Beavers and traditional NEFC powerhouse Salve Regina University. MIT looks for its first win in school history against the Seahawks, who are the defending NEFC and ECAC Northeast Division III Champions. This may be the year for the Beavers, as this year's Seahawk squad is a far cry from last year's amazing unit that finished 10-0. Currently SRU is 0-2, having suffered tough losses at the hands of Plymouth State (whom they beat last year in the championship game) and nationally-ranked Bridgewater State.

This week's game is sure to be a gut check for the Beavers, as SRU is a big, physical team on both sides of the ball. On offense, the Seahawks play smash-mouth football executed to perfection. For years they have run the archaic Wing-T offense, a tricky scheme that places 10 men in the near vicinity of the ball and dares the defense to stop the run. The Salve offense is led by tough senior run-

ning back and GTE/coSIDA Academic All-American Mark DeBiasio. DeBiasio finished 1998 ranked 2nd in the NEFC in rushing yards (1294) and had eight 100-yard games. The Seahawks also have a weapon in speedy wide receiver/kick returner Spencer Ingram (2 TD in 1999).

Defensively, Salve has been depleted by the loss of hard-hitting standouts Tom Lewis and Andrew Rossetti to graduation. However, a traditionally strong program such as SRU is never hard-pressed in finding underclass talent. Junior linebacker Ross Ruggiero anchors a steady Seahawk defense that should challenge the MIT option attack. If there is any weakness, it lies in the Salve secondary, which was burned for 205 passing yards, most of which were on deep passes, in a loss to Bridgewater State last week.

The key to the Beavers breaking their long spell against the Seahawks is slowing Salve's vaunted Wing-T attack by gang tackling DeBiasio and reducing the yards he gains after the initial hit. The Beaver defensive backs, who have shown proficiency in stopping the pass this year, must be willing to come up to contain the run despite giving up 50 or more pounds to the strong Salve blockers. On offense, Skordal must be able to stand in the pocket this week and use his strong arm to find the MIT receivers. The Beaver offensive line has been excellent in run blocking; this week they have to be able to give their quarterback the time to showcase his talent.

Beaver Injury Report: LB John R. Boyer '01, knee, doubtful. DT Gene F. Mehr '01, hand, probable.

Mesarwi Doubts Plummer's Excuse

Picks, from Page 36

Philadelphia at Buffalo: Local favorite Doug Flutie pulled out a great effort to beat the Jets. He won't need a similar effort against the Eagles. They suck. *Edge:* Buffalo

Indianapolis at San Diego: This will be a fun game to watch. OK, it won't, but it'll be interesting to see who wins. After totally blowing it against the Patriots in historical fashion, the Colts will be coming out with a vengeance against the Chargers, who beat the Bengals soundly last week. *Edge:* San Diego

Chicago at Oakland: After starting the season with Green Bay an upset over the Vikings, this game will be a breather for the Raiders. They're not supposed to be this good, it makes no sense. The Bears

will be looking to upset on the road, but the Raiders will win a close one. *Edge:* Oakland

Minnesota at Green Bay: A battle between the two teams costing me a 10-5 record after my first week. This will definitely be a fun, offensive oriented game, with two good teams out to avoid 1-2. The Packers have the home field edge, which means a lot to Packers fans. *Edge:* Green Bay

Tennessee at Jacksonville: Jacksonville has been arguably the best team in the league so far despite winning a squeaker against Carolina. Tennessee, while impressive in it's opening two wins, played the Bengals and the Browns. Neil O'Donnell will have a good game, but Jacksonville is too good right now. *Edge:* Jacksonville

NY Giants at New England:

The Pats are on fire, overcoming a 21 point deficit against the Colts to pull it out in Week 2. In the Giants, they get a considerably easier matchup. *Edge:* New England

San Francisco at Arizona: Jake Plummer has thrown 7 interceptions in this young season. His QB rating is under 30. To his credit, he's been playing with a sore thumb. A sore thumb? Gimme a break. Only one way to get a sore thumb—stick it up your...YEAH! *Edge:* San Francisco

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SPORTS



KARISSA PATTERSON

Despite the constant drizzle, Hillary Carter '00 avoids the slide tackle of her Curry College opponent in Wednesday's 6-0 win.

W. Soccer Hosts the First Tourney In Program's History, Finishes 1-1

By Theresa Burianek

TEAM CO-CAPTAIN

The Engineers started the season with a dominating 5-1 defeat of Eastern Nazarene College on September 9. Yi Xie '02 started the scoring 15 minutes into the game on a penalty kick after Cze-Chao Tam '02 was taken down from behind in the penalty area. The score was then tied in the 27th minute as the Engineers failed to quickly clear an Eastern Nazarene corner kick.

The Engineers responded quickly with a pair of goals in the next 10 minutes. These two goals came courtesy of forwards Sarah E. Mendelowitz '03 and Paola Nassar '01, with assists by Rebecca E. Clinton '03 and Mendelowitz, respectively. The score remained 3-1 until midway through in the second half, when defender Theresa K. Burianek '99 attacked forward and scored her own pair of goals. The first was off an assist from Shalini Agarwal '00, the second off a free kick from Annika K. Sutton '00. With 5 goals in the first game, the Engineers are hopeful that past seasons' scoring problems are history.

On September 11 and 12, MIT hosted its first tournament in the history of the women's soccer program. In the single elimination tour-

namment, MIT had its hopes for championship dashed by a Saturday loss to Savannah College of Art and Design. The Engineers started out slow and conceded two goals to SCAD in the first half. In the second half it appeared as if a new team had taken the field, as MIT dominated SCAD. However, in an ever constant struggle, they were only able to find the back of the net once, as Mendelowitz scored off a feed from Xie with 15 minutes remaining in the game.

The Engineers returned to the field on Sunday determined not to lose again in their tournament. Emerson (who had lost 4-1 to Framingham State on Saturday) had the unfortunate fate of meeting this determined squad. From the beginning, MIT controlled the field of play. At the 30 minute mark, Mendelowitz found the back of the net off a corner kick, assisted by Tam.

Tam found the net herself on a breakaway in the 34th minute. Using controlled passing and the width of the field MIT forced Emerson to run chasing the ball. With only three subs, Emerson soon tired from the Engineers' constant possession of the ball. MIT clearly set the tone for this game, outshooting the Lions 26 to 4. Sophomore Sarah K. Perlmutter '02 recorded the shutout in goal.

The tournament concluded with

Savannah defeating Framingham State 4 to 2. Named to the Tournament All-Star Team were

Soccer, Page 35

W. Volleyball Sweeps Past Babson, Smith

By Paul Dill

TEAM COACH

The women's varsity volleyball team improved their conference record to 3-0 and their overall record to 6-2 this week with strong home wins over Smith College and Babson College.

In their match against conference rival Smith College this past Saturday, MIT got out to a quick start scoring the first 11 points of the match and winning the first game 15-1. Although the next two games were somewhat closer, the Engineers remained in control of the match the entire time winning the next two games 15-10, 15-10 to take the match 3-0. Kathleen L. Dobson '03 led all hitters with 10 kills, while Amy W. Mok '02 and Kelly A. Martens '03 added eight kills each to the effort. Defensively, Barbara J. Schultze '02 dug up 17 balls while defensive specialist Parisa N. Habibi '02 dug up 10 balls.

In their second match of the week, the Engineers took on another conference foe, Babson College. After taking control of the first game and going up 8-2, MIT started

to fall victim to Babson's erratic style of play. Babson caught up and the score went back and forth until it was 13-13. After a decisive side out, Habibi served the final two points of the game to see MIT win 15-13. In the second game, Christina Almodovar '02 was given command of the offense, and the setter tallied up 6 assists as MIT rolled to a 15-3 victory. The third game was more of the same as the Engineers won it by an identical score of 15-3 to wrap up the victory 3-0.

It was Dobson and Martens again who led the charge with 13 and 11 kills respectively. Dobson also added 3 service aces and 11 digs.

These victories helped to propel MIT to 4th place in the New England regional rankings out of 61 teams. The Engineers continue their home stand this weekend as they host their annual 16 team invitational tournament.

The field will include all of the best teams in New England. Play will begin in duPont Gymnasium and Rockwell Cage on Friday September 24th with game times at 4 p.m., 6 p.m., and 8 p.m., and will continue all day on Saturday, September 25.

Week 3 Is Completely Unpredictable

By Amir A. Mesarwi

COLUMNIST

Elway, then Sanders, Testaverde, Anderson... the hard luck list keeps growing this season. It's pretty much a given that this Super Bowl will line up very differently from the last with several key players out with injuries and retirement. Who will last? I can't tell you - I was only 8-7 last week.

Column

Here are my picks anyway.

Atlanta at St. Louis: No Chris Chandler, no Jamal Anderson. The Falcons are doomed from the start. The Rams luck out and go 2-0 to start the season. *Edge:* St. Louis

Detroit at Kansas City: From out of nowhere, Barry Sanders leaps from the stands and scores the go ahead touchdown in Arrowhead, and the Lions are 3-0! *Not. Edge:* Kansas City

Cincinnati at Carolina: Who cares? I can't believe one of these teams has to win a game. *Edge:* Carolina

Washington at NY Jets: When you score 42.5

points a game, you're bound to win a few games. Vinny's the difference in NY. They have to rely on their defense which got hammered last week by a weaker team than the Redskins. *Edge:* Washington

Seattle at Pittsburgh: The Steelers rush offense and the Seahawks rush defense complement each other well. Bettis and Kordell will have good days running the ball. *Edge:* Pittsburgh

Cleveland at Baltimore: The last time the Browns went to Baltimore, they didn't come back. This time, maybe they'll just give up football altogether. Though they scored their first points against Tennessee, they're still not good enough to win a game, even against the lowly Ravens. *Edge:* Baltimore

Denver at Tampa Bay: Denver's good enough to win some games this year, even without Elway. This won't be one of them - Tampa Bay's defense is too good. Terrell Davis will wait another week to break out of his slump, and the Broncos will continue to slide. *Edge:* Tampa Bay

Picks, Page 35

Football Falls to Mass. Maritime Acad.

By Alvan Eric Loreto

TEAM MEMBER

Carried by the momentum of a big season-opening victory into their 1999 home opener at Steinbrenner Field, the MIT football team was warmly greeted by cheerleaders, a band, and a feisty home crowd — then rudely treated by an upstart Massachusetts Maritime squad.

The surprising Buccaneers, fielding their most talented team in recent years, put together a solid effort on both sides of the ball to hand the young Beavers a 20-2 loss. Sophomore tailback David Burrill earned spotlight honors, rushing for 178 yards and 2 touchdowns on 36 carries (4.9-yard avg). Burrill's second 100-yard effort in as many weeks boosted MMA's struggling offense, but it was an excellent effort by the tough MMA defense that brought victory for the Buccaneers (2-0, 1-0 NEFC).

MIT (1-1, 1-1 NEFC) put together a valiant team effort, but the offensive juggernaut from Week 1 all but disintegrated in the face of a stronger, faster MMA defensive unit. The Beaver running backs continued their trend of posting solid

efforts. Maik C. Flanagan G rushed seven times for 64 yards (9.1-yard avg), while Enrique J. Villavicencio '00 carried 13 times for 62 yards (4.8-yard avg). However, the bulk of MIT's rushing yardage occurred early in the game. The failure of MIT to get its passing attack going doomed the offense to seeing eight man MMA fronts dedicated to stopping the run throughout most of the second half. The Buccaneers thwarted the Beaver ground game consistently during the latter part of the game up until the second of Burrill's TD plunges in the fourth quarter put the game out of reach.

MIT's best chance to score came late in the second quarter. Behind the strong running of Kip M. Johann-Berkel '02 and efficient scrambling of quarterback David R. Skordal '02, the Beavers moved the ball down to the Buccaneer 2-yard line. However, a first-down misjudgment by Skordal resulted in an MMA interception and a touchback. It was a game of growing pains for the young Skordal, who felt the pressure from the Buccaneer defensive front all day and finished 3 of 15 for only 26 yards.

Special teams continue to shine

Yet despite the 18-point loss,

MIT's effort was full of positives, particularly on the defensive side of the ball. For the second week in a row the Beaver pass defense sparkled, holding MMA quarterback Joe O'Malley to only four pass completions on 16 attempts for a total of 58 yards. Standout Buccaneer wideout Dan Reading was blanketed all day by fleet cornerback Angus Huang '00 and finished with zero catches. MIT linebacker Brian L. Licata '01 ended the afternoon with 19 tackles (12 solo), a blue-collar effort that earned him a place on the NEFC Weekly Defensive Honor Roll.

And perhaps the brightest spot for the Beavers was the play of its special teams. After Burrill's touchdown early in the first quarter, the Beaver front line blocked the extra point, setting off a wild chase for the rolling ball. The ball squirted out of the arms of several MIT players before being picked up by Kyle Marti '03. Behind fantastic blocks from Yoshitaka Nakanishi '02 and Daniel J. Bush '01, Marti rumbled 79 yards for a safety, MIT's only points of the game. Marti also blocked a punt later in the quarter, one of two Beaver blocked punts

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UPCOMING HOME EVENTS

Saturday, September 25

- Baseball vs. UMass-Boston, 10:00 a.m.
- Baseball vs. Wentworth Institute of Technology, 2:00 p.m.
- Water Polo vs. Queens College, 10:00 a.m.
- Water Polo vs. St. Francis, 2:30 p.m.
- Water Polo vs. Boston College, 7:00 p.m.

Sunday, September 26

- Baseball vs. Suffolk University, 10:00 a.m.
- Water Polo vs. Harvard University, 11:30 a.m.

Tuesday, September 28

- Men's Soccer vs. Tufts University, 4:00 p.m.
- Women's Soccer vs. Babson College, 4:00 p.m.
- Men's Tennis vs. Dartmouth College B, 3:30 p.m.
- Women's Tennis vs. Worcester Institute of Technology, 4:00 p.m.

Thursday, September 30

- Women's Soccer vs. Bridgewater State College, 4:00 p.m.
- Women's Tennis vs. Tufts University, 4:00 p.m.

Friday, October 1

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

Saturday, October 2

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