

Chancellor Lawrence S. Bacow '72 (foreground) and Director of Planning O. Robert Simha discuss the proposed undergraduate dormitory during Tuesday's Cambridge Planning Board meeting.

MIT Presents Dorm Plans to Cambridge

By Laura McGrath Moulton
STAFF REPORTER

The new undergraduate dormitory received a warm reception from the Cambridge Planning Board at its meeting on Tuesday. The meeting was the first opportunity for MIT to present its latest plans for the dormitory to the board and for the board to solicit feedback from the Cambridge community.

Chancellor Lawrence S. Bacow '72 led the presentation, which sought to portray the project as a positive addition to Cambridge as well as to MIT.

Bacow emphasized that the 350-bed facility is not part of a plan to increase the size of MIT's student body. MIT is planning the dormitory

"to bring about a stronger sense of community," he said. "In order to do that, we should really house all of our freshmen on campus, which we haven't had the dormitory space to do. Over time, we've been becoming more and more of a residential campus, and this is the next step in doing that."

MIT says dorm has local benefits

In addition to aiding the MIT community, the new dormitory is designed to benefit Cambridge as well, according to both Bacow and Director of Planning O. Robert Simha. Bacow cited the planned "pocket park" and the overall design

Dorm Plans, Page 17

Why They Were Cut

More Female Sports, Flat Budget Are Cause

By Dana Levine
STAFF REPORTER

The recent controversial cuts of sub-varsity sports teams and reductions in the sizes of existing varsity

Analysis

to the addition of two new female varsity sports and a flat budget, administrators say.

Dean for Undergraduate Education Rosalind H. Williams attributes a large part of the recent

Sports Funding, Page 17

Trumbull Behind Local Development

By Frank Dabek
EDITOR IN CHIEF

Most of the candidates in this city council election only reinforce the old nickname "People's

Election '99

Republic of Cambridge," but David Trumbull's anti-rent control and pro-development stances give him a

lonely position as a conservative among a field of progressive democrats.

The 40-year-old endorsee of the Republican party calls himself a "libertarian type republican" and emphasizes the elimination of so-called "nuisance regulations," increased public transportation, and property owners' rights.

Trumbull called the MBTA's closing time "outrageous ... This is

a 24 hour city." He hopes to use Cambridge's influence on the MBTA's governing board to extend the T's hours to 24 hours a day if possible. If logistical problems prevent 24-hour service, Trumbull proposes a system of late night buses.

The libertarian aspect of Trumbull's platform is most apparent in his desire to eliminate several "crazy rules we have in Cambridge" which he considers "nuisances." Trumbull cites a Cambridge regulation requiring a \$500 a year poetry permit and a milk license.

The regulations are a "nuisance and drag on business" he said. For example, newspapers in Cambridge are required to pay a fee for their distribution boxes, he said.

Trumbull opposes rent control

Trumbull is strongly opposed to

Trumbull, Page 22

BU To Build New Undergraduate Dorm for Fall of 2000

By Efrén Gutierrez
STAFF REPORTER

MIT is not the only local institution preparing to build a new undergraduate dormitory in the next few years. In fall 2000, Boston University will be opening the biggest dorm it has built in the last 30 years on Commonwealth Avenue.

Demand drives construction

The main factor driving Boston University to build this new dorm is

a high student demand for on-campus housing. Rising costs in Boston and a low rate of vacancy have forced upperclassmen to request on-campus housing.

Unlike MIT's current residence assignment policy (and similar to the policy outlined in the Residence System Steering Committee report), Boston University's residence assignment policy requires that all freshmen to live on-campus freshman and to choose their housing

selection during the summer.

Kevin R. Carleton from Boston University's Office of Public Relations said, "Demand for on-campus residency has risen over the past decade due to the rebirth of the real-estate market in Boston. Back in the 1980's, there was a high vacancy rate, so many students decided to live off campus. Today,

it is the reverse condition."

"We admit more students that we can house, because some students change their minds over the summer about attending Boston University. If there are still excess students, then they will be housed at a Howard Johnson's," Carleton said. BU's current housing policy,

BU Dorm, Page 19

IAP 2000 Sports MIT Design Contest, Lecture Demo Series

By Naveen Sunkavally
NEWS EDITOR

This year's Independent Activities Period (Jan. 4 - Jan. 28) will feature a design contest, a lecture demonstration series, and an Institute ball, while continuing to use the new web-based system introduced last year for registering activities.

Registering activities

While there is no strict guideline for registering an IAP activity, students wishing to register an activity to appear in the print guide must do so by October 27, said IAP Program Administrator Donna Friedman. Those students or student groups for whom the print guide is not a consideration may post their activities at any time, and the website will be updated accordingly through the end of IAP.

"The print guide will appear December 1," Friedman said.

"Any student can individually sponsor an activity by going to the IAP website at <<http://web.mit.edu/iap>>" and following directions, Friedman said.

On the other hand, ASA-recognized student groups sponsoring activities must designate one to two IAP Program Coordinators who are authorized through Friedman to post that group's listings. Further information about who may post, the posting procedures, and the appropriateness of activities can be found at the IAP website.

New events for IAP 2000

Among the new community-wide events being planned for IAP 2000 is a design contest on all aspects of MIT in the year 2030.

Some aspects include the physical structure of the campus, the

IAP, Page 20



Tod Machover and Maggie Orth '93 demonstrate The Big Thing, a massive, child-oriented music construction kit, at the Media Lab's day long SENS*ABLES conference in Kresge on Wednesday. SENS*ABLES extends the Lab's prior Wearables symposium, and provides a glimpse into future of computing.

CHRIS MCENIRY—THE TECH



MIT's Akamai Technologies is on the verge of going public.

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Comics

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Arts Editors Vlad and Rebecca discuss the movie *Fight Club*, starring Edward Norton and Brad Pitt.

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WORLD & NATION

Banking Bill to Get Private Hearing

THE WASHINGTON POST

WASHINGTON

With the fate of a landmark banking bill hanging in the balance, Republican leaders decided Thursday to effectively discontinue public negotiations between the House and Senate and instead engage in secret talks to resolve issues with the White House over community investment laws.

House Banking Chairman James Leach (R-Iowa) sent a memo at noon telling lawmakers conducting the negotiations that their meeting at 2 p.m. Wednesday "will be the last meeting of the conference" and that "there will be no vote on the final" version of the bill, according to a copy of the memo.

Leach chairs the conference committee of House and Senate members trying to reconcile different versions of bank legislation passed by the two chambers earlier this year. The legislation would overhaul banking law from the 1930s and 1950s to make it easier for banks, insurers and securities firms to merge with each other and sell their products under one company name.

Lawmakers on the conference committee convened at 2 p.m. as planned, and spent the rest of the day and into the evening discussing how the 1977 Community Reinvestment Act, which requires banks to lend to underserved people, should be applied in a bank overhaul bill.

Stocks Plunge After IBM's Warning

THE WASHINGTON POST

Stock prices plunged at Thursday's opening after IBM surprised investors with a warning that Y2K fears were already hurting sales of its high-end servers, but the market recovered somewhat as bargain-hunters snapped up beaten-down technology stocks.

The Dow Jones Industrial Average — which fell to 10,229.62 by midday, down more than 160 points — bounced back to close at 10,297.69, a loss of 94.67 points. IBM, heavily weighted in the Dow, was responsible for 80 points of the loss. Its own stock fell \$16 to \$91.

IBM had said after the close of Wednesday's trading that businesses were postponing purchases of its products until any lingering questions about Year 2000 computer bugs are answered. The company reported third-quarter earnings of 93 cents a share, meeting analysts' expectations, but said profits would be hurt in the next two quarters by as much as 15 to 20 cents per share.

The warning initially had a knock-out effect on other technology stocks. At one point the tech-heavy Nasdaq lost 22 points over the previous day's close, but managed to close up 13.82 points at 2801.995. Microsoft touched a low of \$90.50 but closed at \$93.0625, marginally up over Wednesday's close of \$92.50. Intel also sank to a low of \$67.875, but rallied to finish the day at \$71.6875 against the previous close of \$69.9375.

Joint Chiefs Ask for Larger Budgets

THE WASHINGTON POST

WASHINGTON

After a year of jumps in defense spending, the Joint Chiefs of Staff said Thursday that the military is still short more than \$8 billion for new equipment, maintenance and other needs in fiscal 2000 and will be shy roughly the same amount in each of the next five years.

Making a renewed pitch for still larger military budgets, the chiefs told a House panel that many of the readiness problems their forces have been experiencing—aging equipment, maintenance backlogs, deteriorating bases, falling recruitment and retention rates—remain concerns and will require more money than the administration or Congress plan to spend.

The military leaders noted some pockets of improvement, particularly in troop morale and retention rates, as a result of passage this month of a \$268 billion defense spending bill that included a 4.8 percent pay raise. But they said last spring's air war against Yugoslavia and new peacekeeping requirements in Kosovo had strained U.S. forces, underscoring persistent weaknesses in military readiness.

Russian Shells Hit Grozny, Killing Scores of Civilians

By Daniel Williams

THE WASHINGTON POST

MOSCOW

Rockets slammed into the capital of Chechnya Thursday, hitting the city's bustling main market and a maternity hospital and killing scores of civilians, reports from the break-away republic said, as the Russian military appeared to step up its assault on the city.

Chechen officials said the rockets were fired by Russian forces, who in recent days have advanced to within 15 miles of Grozny, although the Russian Defense Ministry in Moscow said it had no information on the attack.

Several rockets hit Grozny's main market, one of the few busy places in the war-ravaged city, according to journalists at the scene, who described a hellish landscape of dismembered bodies and pools of blood. One rocket hit a maternity hospital near the offices of Chechen President Aslan Maskhadov, according to Magomed Magomedov, a Chechen government official.

"A huge number of people were killed. Some who were sitting in a cafe, some who were selling things at booths, some just walking by. Teenagers. Children. It was a hor-

ror," said Alkha Tosuyev, a television cameraman with the Reuters news service who said he personally counted more than 60 bodies at the market, and as many as 200 injured.

A Chechen official told the Associated Press that at least 118 people were killed and up to 400 others injured.

Prime Minister Vladimir Putin launched the ground offensive in late September in response to a Chechen-led insurgency in Dagestan, a neighboring republic in southern Russia, as well as to terrorist bombing attacks last month on apartment buildings in Moscow and two other cities that officials blamed on the Chechen rebels.

The pounding of Grozny would seem to herald an offensive on the city, although Russian officials publicly have been unclear on whether a ground assault on Grozny is at hand. Russia's armed forces heralded their advance through the northern third of the republic with heavy bombing and shelling.

Russian troops suffered heavy casualties during an assault on separatist guerrillas in Grozny during the 1994-1996 war that ended with Russia's withdrawal from the republic and Chechnya's effective indepen-

dence. Russian aircraft also heavily bombed Grozny and the damage is still visible Thursday — almost nothing in the city has been repaired.

In recent days, Russian troops and their armor have been advancing on Grozny. The Russians control heights within 15 miles of the city, making it an easy target.

During the offensive, artillery and jet bombers have consistently attacked urban and rural population centers, despite government assertions that only "terrorist bases" — and not civilians — are being targeted. Chechens have reported an air assault on the town of Urus Martan that killed more than 100 civilians, hits on two buses that killed a total of 66 passengers, a bombing in Elistanzhi that killed about 40 people and dozens of civilian deaths in several other villages.

Air Force commander Anatoly Kornukov said Thursday that reports of attacks on civilians were an "outrageous libel." At the same time, he said that unless the Chechens change their ways, "Explosions will continue, innocent people will suffer."

More than 150,000 Chechens, at least 15 percent of the population, have recently fled the republic.

Popular Indonesian Who Was Denied Presidency Gets No. 2

By David Lamb

LOS ANGELES TIMES

JAKARTA, INDONESIA

A day after denying her the presidency, the Indonesian assembly elected Megawati Sukarnoputri vice president Thursday in a bid to restore national unity.

The largely ceremonial post has taken on added significance because the man who defeated Megawati for president, Abdurrahman Wahid, is partly blind, has suffered two strokes and is so frail he needs help to rise from a chair.

The health of the 59-year-old president aside, the Wahid-Megawati team is an unusual choice to lead the world's fourth most populous nation into the 21st century. Neither has previously held public office, neither has articulated a blue-

print for Indonesia's future, neither has shown much previous interest in politics. Megawati does not have a college degree and has held only one job, in a flower shop.

But though Megawati comes from a privileged background as the daughter of founding President Sukarno, she is hugely popular among the disenfranchised masses. Her election was clearly designed to quell unrest in the streets and rebuild a sense of common purpose in this diverse and fractured country of about 13,000 islands and more than 200 million people.

Her supporters, joined by bands of jobless thugs, had rampaged through this capital and at least 12 other cities Wednesday after Wahid was elected president by the 700-member People's Consultative

Assembly. There were fears of renewed violence if she didn't get the No. 2 spot, especially because her Indonesian Democratic Party in Struggle was the top vote-getter in June's election for the assembly, with 34 percent of the popular vote.

Just before the vice presidential ballot, two influential figures — Gen. Wiranto, chief of the armed forces, and Akbar Tanjung, chairman of the Golkar Party — withdrew their candidacies, citing the need for national unity.

That left Megawati to face Hamzah Haz, chairman of the Muslim-oriented United Development Party. She defeated Haz handily, 396-284.

"I thank God for this, and I will do my best for the republic of Indonesia," she said.

WEATHER

Wet Weekend Ahead

By Peter Huygens and Robert Korty

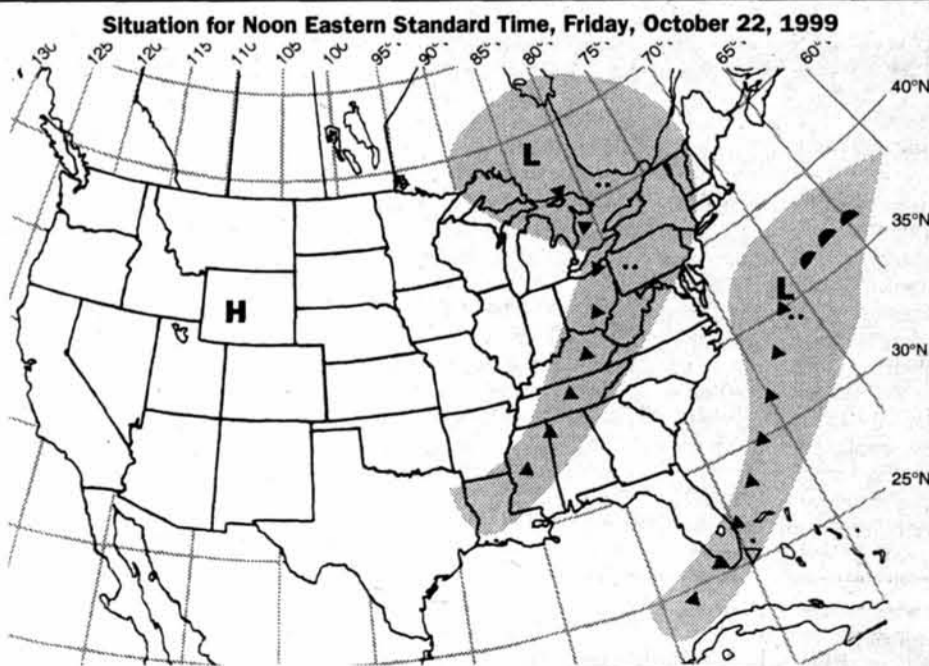
STAFF METEOROLOGISTS

This is going to be a cool, cloudy, and perhaps rainy weekend. Look for highs to reach 59°F today and lows to descend to 43°F tonight. Clouds will continue to gather today and there is a 60% chance of rain tonight. The weekend will provide much of the same. Temperatures will reach the low 50s in the day and drop to the low 40s at night. Skies will remain partly cloudy through Monday with an 80% chance of rain on Saturday and 40% chance on Sunday.

The reason for the rain and the excuse for the uncertainty lies on two fronts. Today we have a cold front moving across the great lakes towards us as low pressure off the Carolina Coast lifts northward. The cold front will pass us on Saturday, but another front, moving in from Canada on Sunday, should keep our weather tumultuous. Bottom line is keep an umbrella and a jacket with you.

Weekend Summary

Friday: High 59°F, low 47°F, increasing clouds, 60% chance of rain.
Saturday: High 54°F, low 43°F, partly cloudy, 80% chance of rain.
Sunday: High 52°F, low 34°F, partly cloudy, 40% chance of rain.
Monday: High 51°F, low 36°F, partly cloudy.



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	T Trough	Snow:	Fog
L Low Pressure	W Warm Front	Shown:	Thunderstorm
S Hurricane	C Cold Front	Light:	Haze
	O Occluded Front	Moderate:	
		Heavy:	

Compiled by MIT Meteorology Staff and The Tech

Senate Again Approves Ban On 'Partial-Birth' Abortions

By Helen Dewar
THE WASHINGTON POST

WASHINGTON

The Senate Thursday again approved legislation to ban what critics call "partial birth" abortions but fell narrowly short of the two-thirds majority that would be required to override a promised veto by President Clinton.

In what officials said was probably the Senate's first vote ever on the 1973 Supreme Court decision legalizing abortions, the Senate also voted 51 to 47 to go on record endorsing the Roe vs. Wade decision as "an important constitutional right" that should not be overturned.

Forty-five of the Senate's 54 Republicans voted against the proposal sponsored by Sen. Tom Harkin (D-Iowa) and supported by all but two Democrats. Democrats used this non-binding vote to claim that Republicans were using the partial-birth abortion issue as a smokescreen to mask an assault on abortion rights of all kinds and predicted it would be a big issue in next year's

elections.

Republicans denied the charge and described Harkin's proposal as a "distraction" aimed at diverting attention from "partial birth" abortions. But it was clear that, just as Republicans have used the vote on the bill against Democrats and will do so again, Democrats now intend to use the Roe vs. Wade vote against Republicans.

The vote on the "partial birth" abortion bill was 63 to 34, with 49 Republicans and 14 Democrats supporting it and 31 Democrats and three Republicans opposing it. Counting absentees, the bill's backers registered a net gain of one vote since it came up for a vote last year but were still at least one and probably two votes short of the 67 needed to assure a veto override. Among those who did not vote Thursday is Sen. John H. Chafee (R-R.I.) who has previously voted against the measure.

Sen. John W. Warner (R-Va.) was the only Washington area senator to vote for the bill although he

supported the resolution backing Roe vs. Wade.

The bill, sponsored by Sen. Rick Santorum (R-Pa.) would ban a procedure, known medically as intact dilation and extraction, under which a physician pulls the fetus out of the birth canal feet first, then punctures the head, removes the brain and collapses the skull. The fetus is then removed vaginally.

It would make it a felony punishable by a fine and up to two years in prison for a physician to employ the procedure unless it is "necessary to save the life of a mother whose life is endangered by physical disorder, illness or injury." The woman would not be subject to prosecution.

Supporters of the bill argued it was necessary to prevent "infanticide... wanton destruction of the most vulnerable in our society," as Santorum put it. Foes charged it was unconstitutional, dangerous to women, so loosely drawn it could threaten many abortions by other procedures, and politically inspired.

Bradley Centers Campaign On Vow to Eliminate Child Poverty

By Ronald Brownstein
LOS ANGELES TIMES

NEW YORK

Bill Bradley declared Thursday that as president he would seek to reduce the number of children in poverty by more than half over the next decade, attaching a specific goal and dollar sign to a central theme of his campaign.

But the \$9.8 billion-a-year plan he gave to meet his ambitious target offered more continuity than contrast with policies already supported by Vice President Al Gore, his rival for the Democratic nomination.

Appearing before an enthusiastic audience at a church in the low-income Brooklyn neighborhood of Bedford Stuyvesant, Bradley spoke in sweeping terms about the nation's moral obligation to combat what he called the "slow motion national disaster" of childhood poverty. "Let us eliminate child poverty as we know it," Bradley declared to loud applause.

Toward that end, he proposed to raise the minimum wage, expand child-care assistance, enlarge the earned income tax credit for the working poor, improve access to after-school programs and increase funding for Head Start.

In each area, Bradley's differences with Gore are more of degree than kind. Little in Bradley's speech differed philosophically from the basic direction the Clinton administration has pursued to combat poverty and which Gore is now pushing as a candidate.

The most consistent contrast was that Bradley, on several fronts, proposed to go farther than Gore has — although on some specifics the vice president wants to spend as much or more than the challenger. Gore, meanwhile, has placed more emphasis on the role of family breakdown and absent fathers in the persistence of child poverty — themes he emphasized in a speech Wednesday.

As striking as anything Bradley included in his speech was what he left out. After voting against the 1996 welfare reform bill that President Clinton signed into law — and repeatedly criticizing it since — the former New Jersey senator called for only modest changes in the measure.

"The scale of Bradley's effort (to fight child poverty) does seem to go beyond what's been put on the table to date (by Gore), but there's no great new insight about how to tack-

le poverty or great new initiatives," said Will Marshall, executive director of the Progressive Policy Institute, a centrist Washington think tank.

Specifically, in a document released by his campaign, Bradley said he would seek to reduce the number of poor children by 3 million in his first presidential term, and another 4 million in his second.

To reach that goal, Bradley offered several proposals, including:

— An increase in the hourly minimum wage from \$5.15 to \$6.15 over the next two years. After that, Bradley said, the minimum wage should be automatically increased by the annual rise in the median wage for workers.

— A substantial increase in the Earned Income Tax Credit, which provides tax relief for the working poor. Bradley said the credit should not phase out as quickly as it does now when low-income workers see their incomes rise, and that benefits should be increased for families with three or more children.

— Increased subsidies for child care. Bradley said the existing child-care tax credit should be made available to low-income families who pay little or no federal taxes.

U.S. General Says French Officials Endangered American War Pilots

By Paul Richter
LOS ANGELES TIMES

WASHINGTON

In emotional testimony, the American general who commanded NATO warplanes over Yugoslavia blasted the French on Thursday for vetoing planned airstrikes, saying the moves heightened danger to young U.S. fliers.

Lt. Gen. Michael Short, whose son flew an A-10 Warthog plane in the conflict, declared before a Senate panel that French officials, by imposing "extraordinary" restrictions on targets, made NATO operations more predictable and "placed our troops at increased risk."

France, whose fliers conducted only 8 percent of the sorties in the air war, should not have been "in a position of restricting American aviators who are bearing 70 percent of the load — and who are in harm's way," said Short, who retires from the military on July 1.

While Short and other U.S. officers have previously expressed frustration about the operations,

Thursday's comments were by far the most forceful.

"I can't remember a time when a senior military official involved in an operation... has publicly offered criticism like this," said Daniel Goure, a former Pentagon official at the Center for Strategic and International Studies in Washington. "It's pretty unique."

At the French Embassy in Washington, a spokesman declined comment.

But a European diplomat in Washington sharply disputed Short's remarks, saying that French fliers accounted for 10 percent of NATO missions in the war and that NATO's policy decisions affected their physical safety as well.

This diplomat, who declined to be identified, said NATO members could never give military leaders a free hand to conduct their operations without oversight. "This was not 'sign and forget,'" he said. "That is not our concept of the conduct of war."

— U.S. officials have often boasted

about NATO unity during the 78-day air war, but Short's critique called attention to the stresses that lay just below the surface of the 19-nation alliance.

In testimony before the Senate Armed Services Committee, Short implied that the Clinton administration should have exerted greater pressure on the French to permit strikes on more targets.

"I understand how strongly the French feel their position," Short said. "But I felt the United States of America was in a position to leverage our position of being the big dog, to a degree that perhaps we did not."

Short's voice cracked as he praised the young U.S. fliers and described how his emotional stake in the fight was deepened by the presence of his son, who flew 40 missions and whose plane was struck by a Serbian antiaircraft missile.

Short said the risks to U.S. troops were increased by French insistence that there be only two strikes on Montenegro, the smaller of two republics.

Indyk Back as Ambassador to Israel

THE WASHINGTON POST

WASHINGTON

The State Department's Middle East diplomat, Martin S. Indyk, is returning to his former post as ambassador to Israel at the request of Israeli Prime Minister Ehud Barak, officials said Wednesday.

The unusual move demonstrates Barak's considerable influence with President Clinton, who approved the transfer. It comes, moreover, at a critical time in peace negotiations between Israel and the Palestinian Authority, both of which have pledged to reach a final settlement by the end of next year.

Indyk, who served as ambassador from April 1995 until October 1997, is an Australian native long associated with pro-Israel causes. A former White House official, he enjoys the confidence of both Clinton and Barak — an echo of his strong ties to slain Israeli Prime Minister Yitzhak Rabin, Barak's political mentor.

Indyk, the assistant secretary for Near East affairs, will swap jobs with Edward S. Walker, a career Foreign Service officer and former ambassador to Egypt who currently serves as ambassador in Tel Aviv. The appointments are subject to Senate confirmation.

A State Department spokesman, James Foley, said Clinton decided to make the nomination on the advice of Secretary of State Madeleine Albright. The change was specifically sought by Barak, who knows Indyk from his previous tenure as ambassador, according to U.S. and Israeli sources who spoke on condition of anonymity.

Researchers Find Enzyme That May Induce Development of Alzheimer's

LOS ANGELES TIMES

Scientists at Amgen have isolated an elusive brain chemical believed to play a crucial role in the development of Alzheimer's disease. Reporting their findings in Friday's edition of *Science*, the researchers hope the discovery will lead to targeted treatments that can halt the advance of this mind-devouring disease that afflicts an estimated 4 million Americans.

The investigators found the chemical — an enzyme that occurs in normal and diseased cells — by conducting a massive, automated search through tens of thousands of genes that occur in brain tissue.

Blocking the enzyme, scientists say, might prevent the progress of the disease in the same way that reducing cholesterol has been shown to blunt the ravages of heart disease.

But experts in the field caution that the leap from discovery to effective treatment could take years.

Still, the finding is a striking example of the power of the biotechnology industry to harness the genetic engineering revolution in the search for root causes of disease. In the past, such basic research was largely the domain of university scientists, but increasingly biotech companies are weighing in and producing encouraging results.

In this case, the ingenuity and resources of the largest biotech company, armed with the most advanced equipment available, proved critical in a race among a number of teams to find the enzyme.

Researchers believe the enzyme breaks down a large protein into smaller pieces — one of which, after further trimming, becomes amyloid, the fragment that accumulates in the brains of Alzheimer's patients and is thought to destroy healthy brain tissue.

Madagascar Fossils May Be Oldest Dinosaur Remains Ever Found

THE WASHINGTON POST

Scientists excavating a remote valley on the African island of Madagascar have unearthed jawbones from what may be the two oldest dinosaurs ever discovered.

Teeth from the new creatures indicate that they were both long-necked prosauropods, plant-eating ancestors of later — and much larger — herbivores like the 36-ton *Apatosaurus*, the largest animal that ever lived.

Evidence from surrounding fossils suggest the new jawbones must be around 230 million years old, which would make them the oldest dinosaur remains ever found, said paleontologist John J. Flynn, who leads the four-year excavation in southwestern Madagascar.

"They were both bipedal and quadrupedal, somewhere between four and eight feet long," said Flynn, curator at Chicago's Field Museum. "The kangaroo is a good visual image, because while they could use four legs to run, they could also forage with their front arms."

The excavation report, published by Flynn and five others in Thursday's issue of the journal *Science*, also describes eight other species of reptiles and mammal-like reptiles, some of which appear to be cousins of similar, already discovered species and which were key in fixing the age of the dinosaur remains.

Mitochondria Might Cause Aging

LOS ANGELES TIMES

California Institute of Technology scientists report some of the most convincing evidence yet that aging is linked to genetic mutations in the small compartments where cells manufacture their energy.

The results, published Friday in the journal *Science*, lend strong support to a decade-long theory of how people age that centers on mitochondria, the tiny power generators in all cells.

The theory proposes that aging is triggered as mutations in mitochondria impair their ability to make energy while at the same time turning them into producers of toxic "free-radicals." The result is devastating: low in energy and full of toxic molecules, the cell ages as it essentially runs out of steam.

But even though scientists already knew that mitochondria deteriorated with age, the source of the damage had proved elusive. Previous studies had only found very few mutations in the mitochondrial DNA of old cells. And because mitochondria constantly mingle with other cellular components, skeptics contended that the source of mitochondrial deterioration could come from surrounding cellular material, and not the mitochondria themselves.

Now, Giuseppe Attardi and peers from Caltech and the University of Milan are the first to find genetic defects in a unique region of the mitochondrial DNA of old humans, but not young ones. The results support the idea that mitochondrial defects — and subsequent aging of the cell — may very well start within the mitochondria.

OPINION



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Institutional Wisdom Watch

by The Tech editorial board



↔ **RSSC/SAC/Unified Proposals:** Substantive ideas lost in alphabet soup of acronyms.

↑ **Margaret Bates:** IW will miss the student body's favorite administrator.

↓ **MS-MIT:** New Word 2000 feature: Hal Abelson replaces helpful paper clip.

↔ **Domecoming:** A good time was had by... some.

↑ **Red Sox:** Divisional playoffs in 1998. ALCS in 1999. IW has World Series tickets for 2000.

↔ **Election '99:** Be sure to wake up bright and early on November 2 and avoid those long lines at the Kresge polling center.

↓ **Athletic Cuts:** New admissions material quote: "MIT underfunds more varsity sports (41) than any four year university"

↓ **SAE Party Guests:** In a drinking match between Wendy Wellesley and a Lady Engineer, IW's money is on the home team.

↑ **DAMIT:** Useful pamphlet provides important information to campus drug users.

↓ **Parents' Pamphlet:** IW wants to know what these Anna-nonymous authors smoking?

Letters To The Editor

Equal Sacrifices?

In general, I agree with Dean Randolph's letter to *The Tech* last Friday, in which he discusses the great importance of remembering the social implications of drug use ["The False Drug Mythology," Oct. 15]. His letter is a good counterpoint to the stance taken by the DAMIT pamphlet. As long as we remember that alcohol is just as much a drug as LSD, bringing with it the same potential for social damage if improperly used, Randolph's message to be extremely careful with drugs is one that people need to keep in mind when they are deciding whether drugs are something they want to get involved with.

Unfortunately, I have serious problems with his final paragraph. Randolph writes, "No one has a right to use drugs in a dormitory or house. Students who wish to live in a drug-free environment can do so."

Dean Randolph, do I have a right to live in an environment free of homosexuals? What if I were to (purely hypothetically) claim that I couldn't live with homosexuals; should I have the right to live on a homosexual-free hall?

Perhaps you could argue that drugs are illegal, and people should be able to live in an environment free of criminal activity. I would respond that in Massachusetts, sodomy is illegal. So why can my neighbor have sex with his boyfriend when I can't smoke a joint, all in the privacy of our own rooms?

If Person A did not want to live with a drug user on his or her hall, the drug user would be forced to stop. If Person B did not want to deal with homosexual activity on his or her hall, Person B would be told that he or she could simply move elsewhere. Why are we more prejudiced against one activity than the other?

You argue that the potential for drugs to rip apart families is too great a risk to take. What about the risk of coming out as gay to an unreceptive family? Why am I prohibited from theoretically choosing to smoke dope, while my neighbor is allowed to choose to come out to his parents, who may never speak to him again for the rest of his life?

Are we all equal in terms of the sacrifices we need to make to support our communal living environments? Or would you like us to think that some of us more equal than others?

Dylan McConaghy '00

Cambridge Council Changes Ill-Advised

In Tuesday's edition of *The Tech*, Michael Ring suggests that since several candidates for city council are targeting neighborhoods, we might as well elect councilors from districts ["City Council Reforms for Cambridge," Oct. 19]. He tries to argue (oddly, for someone who wants a change) that the results would be the same as they are now. However, the current system leads to a greater diversity of viewpoints on the council than would a system with politically-drawn districts.

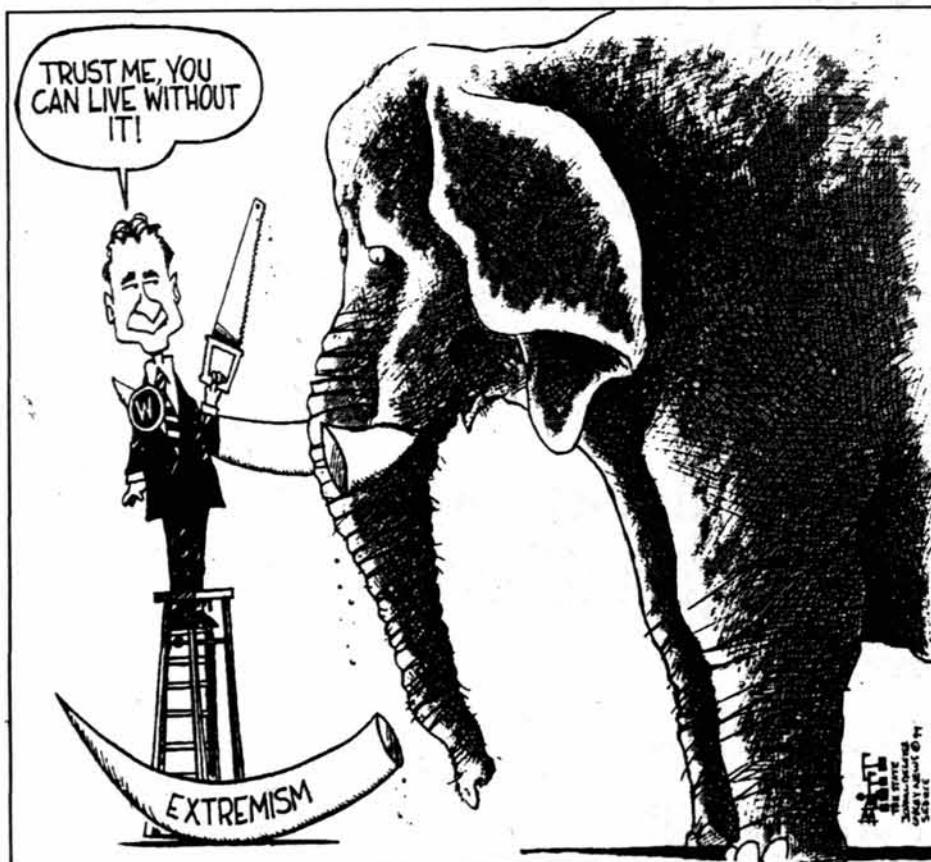
While some city council candidates do have neighborhood bases, not all do. For instance, should candidate David Trumbull be denied the opportunity to seek out the property owners, the Republicans, and the occasional free-speech advocate, just because these groups are spread out over the city? Incumbent Kenneth Reeves purports to repre-

sent the black and gay communities on the city council. Should these communities be denied the opportunity to vote for him, simply because their members don't all live in mid-Cambridge?

For twenty years, the top issue in every election was rent control. Would Mr. Ring care to speculate on which of the 13 neighborhoods with "a coherent population with shared interests" would go for and against rent control? Should the MIT student vote be split from the Harvard student vote, thereby decreasing (not increasing) the chance of getting a student on the council?

While some interests are shared by neighborhoods, many are not. Under the current system, voters are free to make their own decisions regarding how they are to be represented. Likewise, candidates are free to choose what constituencies to pursue. This results in a broader city council than would be possible under a district system.

Steven Jens '98



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

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Make No Bones About It

Parties Dispute Disposition of 'Kennewick Man' Remains

Kris Schnee

What do the American Indians, a 9,300-year-old man, and the Norse god Odin have in common?

They're all involved in a strange dispute over burial rights and the origin of the first Americans.

"Kennewick Man," a human skeleton about eighty-five percent complete, was discovered in 1996 in the Columbia River in Washington. He was apparently a middle-aged man (vaguely resembling actor Patrick Stewart) who had lived for years with a three-inch spear point lodged in his hip, and who was formally buried.

The Army Corps of Engineers had control of the bones after they were found by two college students, and the Corps at first attempted to give Kennewick Man away. The 1990 Native American Graves Protection and Repatriation Act (NAGPRA) made this the obvious decision — since the skeleton was dated as being about 9,300 years old (although the age was later disputed), it was clearly pre-Columbian, and thus legally belonged to the local American Indian tribes for reburial.

The problem, though, was that these old bones were really something new. The skull features did not match those of modern Indians, and instead resembled those of Caucasians. In other words, it appeared as though Europeans were among the first settlers of America. (Some will probably gloat at the idea, as if the possibility that the "Native Americans" actually weren't the true "natives" somehow justifies how they were steamrolled across the continent by modern Europeans.)

A group of eight scientists sued the Corps, demanding that they be allowed to study the remains. Kennewick Man is one of several skeletons that do not fit the traditional theory that the Americas were first peopled about 11,500 years ago by a single migration from Asia, a group of settlers who became all of the tribes encountered by Europeans after 1492. Naturally, archaeologists are eager to study new evidence like Kennewick Man, evidence that points to a new theory of multiple migrations from around the world, most of which died out.

But the Indians disapprove. A tribal confederation near the Kennewick site, the Umatilla Indian Reserve, wants the bones back now, for burial. They say that because the skeleton is old and was found on their

land, it has been proven to be one of their ancestors, and is rightfully theirs. How do they know this? Said Armand Minthorn, an Umatilla leader: "From our oral histories, we know that our people have been part of this land since the beginning of time. We do not believe that our people migrated here from another continent, as the scientists do."

What about the fact that the bones do not appear to be related to any Indian tribe? The *New York Times* quoted Deborah Crosswell, Umatilla spokesperson, explaining: "[H]uman remains do not remain static over 9,000 years. Cranial features can change."

While the Washington state school board might consider putting these novel ideas into next year's science curriculum, they are poor

Kennewick Man is one of several skeletons that do not fit the theory that the Americas were first peopled about 11,500 years ago by a single migration from Asia

excuses for archaeology. Kennewick Man cannot be ruled Umatilla property on the present evidence.

The letter of the law (NAGPRA) calls for the return of Native American remains to the most closely related group or, if it cannot be identified, to the most local group — in this case, the Umatilla. But it is apparent that Kennewick Man's bones are not, as such, Native American. The danger in this case is that the new archaeological evidence will literally be buried because it is simply assumed to be Native American, even though its identity and origin are exactly the case at issue.

Odin is on the side of science this time. A California-based religious group called the Asatru Folk Assembly, whose members worship the ancient Norse gods, consider Kennewick Man an important part of their European heritage, and have filed their own lawsuit. They demand that genetic tests be carried out on the bones, to confirm their identity. Unfortunately, the Asatru group does not simply want the bones studied — its members also want custody of them, for proper (Viking?) burial. Considering that they have

absolutely no claim of ownership besides the possibility that Kennewick Man was a fellow European (a connection most of America's population shares), Asatru's request to be given the skeleton will hopefully be given less consideration than the demand for DNA testing.

Just days ago, new evidence was released highlighting the need for further study: Kennewick Man is apparently not Caucasian either. Based on studies of the skull, as reported on October 15, Kennewick Man most closely resembles the Polynesians or the Japanese Ainu people. Asatru, undeterred, is still pushing for DNA testing based on the possibility that the skeleton might still be European. The Umatilla Reservation opposes tests and wants Kennewick Man buried quickly, on the grounds that taking bone samples is desecration of an Umatilla ancestor (according to tribal legend), and that it is unnecessary for them, as American Indians, to learn more about their own past — "We already know our history." (Minthorn's words.)

The solution to this bizarre situation is to conduct further tests. We don't know who Kennewick Man was, but what we know tells us that he was not a Native American in the sense of being closely related to the Umatilla tribes or any other modern Indian tribes. The Umatilla tribes feel strongly about their right to the bones, but their claims are not justified — subject to further evidence which can only be obtained by keeping the bones above ground for now. Therefore, the skeleton is no one's property but the country's, and no one has the right to forbid further study of it, even with minor bone sampling.

The Umatilla tribes can take comfort from the fact that the bones probably will be turned over to them someday, because the entire point that these recent skeletal finds redefine the term Native American will most likely be lost on the lawyers and judges who decide the case. The outcome won't be known until this spring, when a court-ordered deadline will force the government to allow further research on the bones or, probably, send the case to trial. Kennewick Man's fate may be burial by the Umatilla Tribes, granted for shaky legal or even political reasons, but we can hope for a better one.

Given that Kennewick Man represents a fascinating new line of archaeology, and (as far as we can tell) has no descendants left to claim him, the skeleton belongs where it can benefit and be seen by everyone — in a museum.

Redefining the Athletics Debate

Guest Column
Ryan Peoples

As yet another cross-country runner who has felt the pinch of MIT's recent athletic reductions, I had until recently felt resigned to accepting the harsh reality of budgetary limitations. My disgust was largely with the MIT administration for its failure to allocate sufficient funds to the Athletics Department, despite its commitment "to providing extensive competition opportunities." That was until I read Athletics Director Richard Hill's column in last Friday's edition of *The Tech* ["Justifying Athletics Reductions," Oct. 15]. Now I can see that the whole situation was just as poorly handled on the Athletic Department's end of business. Hill's arguments indicate both failure to understand the consequences of his actions and refusal to entertain the interests of student athletes he supposedly supports.

When the men's cross-country season began, MIT had placed a cap of 24 runners on the team — regrettable, but not unreasonable. Then, several weeks after the season had begun, the team was cut to 20, with a limit of 14 for competitions. And that number was trimmed to 12 just days later to keep a second set of seven "junior varsity" athletes from competing. These cuts affected the women's team in the same way. MIT did not field JV cross-country teams in the 1998-99 academic year, a fact Hill acknowledges. Since the structures of MIT's programs or collegiate cross-country as a whole have not changed, the extra two men and women cut could not possibly have been due to JV cuts.

I also refuse to believe that the exclusion of these four team members could in any way bring about substantial budgetary relief. On this point, Hill made what I consider to be his most offensive claim. His column began with the assertion that the reductions made were the result of "several years" of planning. The aforementioned in-season cuts and the rapid fashion in which they were made hardly seem

indicative of careful "deliberation, planning, and hours of discussion," let alone years of planning. Hill's claim to the contrary stands out as a boldfaced lie to me; there appears to be no method to this madness.

By refusing to differentiate between programs when making cutbacks, Hill does MIT's teams further injustice. Certainly, he must realize that different sports have different procedures and requirements, but the cuts instituted in many ways fail to take this into account. For example, the home course for cross-country races is at Franklin Park in Roxbury. These teams must therefore always travel to compete, and are thus hampered more by across-the-board travel restrictions than most teams, who could have up to half of their contests at home. Undoubtedly, other

It is regrettable that the administration is unwilling to fully commit its support to the very same 41 varsity programs of which it loves to boast.

sports that cannot compete at MIT, such as skiing or golf, would be similarly handicapped in this unfair manner.

Hill goes on to argue that "opportunities for participation in athletics have not been reduced." This, he says, is achieved through club and intramural sports which "the Institute continues to sponsor." These statements mean nothing. Where is the continued opportunity to compete in running at MIT? There is no cross-country or any kind of running club at MIT. Maybe the opportunity to participate in some athletic activity will always be available, but that is no substitute for the choice of

activities available in the past. As far as club sports go, sure, MIT "sponsors" them, but what exactly does that entail? Apparently not much, as was the case when an athletics trainer showed up at a rugby match (a club sport) several weeks ago to let the players know that participants in club sports are no longer eligible for MIT sports medicine services — an ethically questionable policy.

Hill completely fails to address the results of these reductions on what remains of MIT's often already-vaunted varsity programs. The loss of a JV program or the reduction of a team's practice squad in any sport will unquestionably hurt that team by taking away its depth and ability to develop players for the future. Morale of team members, especially those who can practice but not compete, is devastated. The callous, unapologetic stances of the Department and the Institute, such as the one taken by Hill, only serve to worsen the situation.

I recognize the unfortunate limitations placed on the Athletics Department by the Institute. It is regrettable that the administration is unwilling to fully commit its support to the very same 41 varsity programs of which it loves to boast. In light of the overwhelming student dissent resulting from the athletics cutbacks, however, I find it hard to believe that the reductions made could possibly be the "best attempt" of Hill and others to rectify this situation. How about postponing construction of the huge and undoubtedly expensive new athletics center? I fail to see the need for a new facility to be used by teams that MIT will not fully support, or the place for its cost in a budget that inadequately provides for those teams as is.

Furthermore, if Hill's arguments in his column are the best justifications he can give for his actions, then it is clear that he fails, as Director of Athletics, to fairly understand and represent the interests of student athletes. I, for one, feel that we would be better served by someone who does.

Ryan Peoples is a member of the Class of 2000.

The Pakistan Coup's Other Side

Guest Column
Bilal Zuberi

Recently, a lot has been published in the Western press about the military coup in Pakistan. Most of the press coverage tends to give the impression that the country has been taken over by a ruthless band of military commanders, and the lives and liberties of ordinary civilians are threatened. On the contrary, it seems that a large majority of Pakistanis, in Pakistan and abroad, have welcomed the coup. There have been no large public protests or demonstrations in support of the ousted government.

Pakistani intellectuals and journalists belonging to many disparate camps are writing in favor of the military coup. The people of Pakistan are viewing the new leadership as a refreshing alternative to the elected but inept and corrupt governments of the recent past. The new military government has provided a beacon of hope to the people.

The Western media, in its sensational stereotyping of the coup, has largely ignored what the Pakistani people feel about the military takeover. Nawaz Sharif, the ousted prime minister, was elected in 1996. His party enjoyed an overall majority in the parliament. He had the golden opportunity to bring prosperity to the nation. Instead, Nawaz Sharif used the parliamentary majority to increase his power and his wealth, and in the process destroyed all institutions of checks and balances that are indispensable to any democracy. He introduced amendments in the constitution which made it illegal for any party member to express an opinion different from his or her party's official policy.

Thus, voices of dissension from within his party were effectively strangled. When the Supreme Court was hearing cases of corruption against Nawaz Sharif, he had his party workers stormed the Supreme Court while it was in session, in order to disrupt the proceedings and the Chief Justice was soon sacked by Nawaz Sharif. Pakistan's President was forced to submit his resignation. The fate of the former chief of the army was similar to that of the President.

Nawaz Sharif did not stop there. He started to sow the seeds of dissension in the higher echelons of the armed forces so as to render it ineffective as a check on his ambitions. Sharif sacked the current army chief, General Pervez Musharraf, while Gen. Musharraf was on a flight back from Sri Lanka. His plane was not even allowed to land in Pakistan — a step that endangered the lives of nearly 300 passengers traveling on the commercial flight.

Since its independence, Pakistan has been through several cycles of democracy and military rule. Nearly 25 of its 52 years of independence were spent under martial law and military dictatorship. These dictatorships were accompanied by systematic repression of dissent and the subordination of civil liberties and the freedom of press. Partly due to the repeated interventions by the army, and partly as a result of the misgovernance by the democratically elected governments, democratic institutions in the country have largely remained undeveloped.

In the last few years, the political scene in Pakistan has been dominated by Benazir Bhutto's People's Party and Nawaz Sharif's Muslim League. Each political party was elected to power twice, and removed from office when corruption, nepotism, and misgovernance became so prevalent that it endangered the survival of the state. Over the years, the hopes of the Pakistani people for democracy have been replaced with disillusionment and despair.

At present, the military government is a change for the better from the corrupt and self-serving political leaderships. Only the military has the strength to confront tax evaders and loan defaulters, and maintain fair and impartial accountability across the board. General Musharraf also supports devolution of political power to the grass-roots level, freedom of press and information, protection of minority rights, improved relations with India, and suitable reforms needed to strengthen the democratic institutions and prepare the path for democracy.

While his policies provide a glimmer of hope, history has taught us to be cautious — in the past, military rulers in Pakistan have tended to stay in power much longer than necessary. It is hoped that General Musharraf will carry out his reforms and then make way for a democratically elected government.

Bilal Zuberi is the president of MIT's Pakistani Students Society.

THE ARTS

FILM DIALOGUE

Fight Club

Mischief, Mayhem, Soap

By Rebecca Loh and Vladimir Zelevinsky

ARTS EDITORS

Directed by David Fincher

Screenplay by Jim Uhls

Based on the novel *Fight Club* by Chuck Palahniuk

Starring Edward Norton, Brad Pitt, Helena Bonham Carter, Meat Loaf Aday

The first rule of *Fight Club* is: you do not talk about *Fight Club*. The second rule of *Fight Club* is: you do not talk about *Fight Club*. Here, Arts Editors Rebecca Loh and Vladimir Zelevinsky break all the rules.

Vladimir Zelevinsky: The curious thing about *Fight Club* is that the total is somehow less than the sum of its dazzling parts. It has a smart and ambitious screenplay, several intense performances confidently straddling the boundary between archetypical and subtle, wild and confidently artistic direction, and a complex multi-layered subplot. I can hardly find fault with any of the film's components and I feel like I saw a really good film, being both the product of pop culture and a successful satire of the same culture. Yet, I don't feel like I saw a masterpiece, and I'm somewhat surprised by my own reaction.

Rebecca Loh: I think that *Fight Club* is a film that people will want to view again and again, simply to catch the subtle plot points and the visual effects they might have missed the first time around. I was surprised by the amount of humor, which made the two-hour, twenty-minute film fly by.

The majority of the film is well conceptualized and very clever. However, a few minor aspects of the film were a disappointment, such as the not-so-subtle speeches by Tyler Durden (Brad Pitt) that told the audience exactly what point the movie was try-

ing to make.

Zelevinsky: But there's more to *Fight Club* than that. Yes, Durden starts as a savior to Norton's cubicle dweller. When they together start the eponymous fight club — for downtrodden males to regain their masculinity by pummeling each other into a bloody pulp — it comes as a salvation from the soul-deadening consumerist culture. But there's more, with Durden's clear progress from savior to führer (who makes soap from human fat). The in-your-face monologue where Durden is throwing sound bites like punches happens just around the middle of this journey — so I really don't think the film is endorsing this particular point of view as the ultimate truth.

Loh: I'm just saying that there are some points, as with Durden's rhetoric, where it feels like the film is trying too hard to make a statement. There are many messages in the film that are conveyed with more subtlety, and these are the points the viewer will ponder long after the film is over.

There are a couple other aspects of the film I didn't like, such as having the narrator (Edward Norton) directly address the audience. This worked sometimes, and at other times, failed. The greatest disappointment, though, was the Hollywood ending, which went against the movie's dark, anarchistic theme.

Zelevinsky: I think the movie is smarter than that. The ending for me works well, mostly because any other finale would destroy the mood of the black subversive comedy that the rest of the film worked so



Tyler Durden (Brad Pitt, left) and the film's narrator (Edward Norton) together create *Fight Club*, a gathering of men who bond through bareknuckled fights. What begins as the occasional good-natured brawl soon escalates to widespread mayhem when the club accumulates a nation-wide underground following.

hard to build.

Loh: The ending was a little too convenient to me. I left feeling disappointed that writer Chuck Palahniuk couldn't have come up with something more realistic.

Zelevinsky: There's a certain value in going for a larger-than-life attitude; especially in the ending, which manages to combine the sublime with the ridiculous. Sure, I could imagine a downstated, more realistic ending working; but that would clash with the rest of the movie.

As a matter of fact, my biggest problem with the movie is precisely the amount of realism in it, mostly regarding the fight scenes themselves. It's not the violence per se — they have to be violent to make the point; but, after the point is made, I found them to be boring.

Loh: The violence didn't bother me. I know some people will be offended by it, but I didn't feel it was excessive. The fighting didn't come to dominate the movie; in fact, Tyler Durden's increased following is reflected in the increasing intensity of the scenes in the bar basement where members of *Fight Club* convene. Durden's power over the members develops so smoothly and seamlessly it comes as a shock to the viewer as well as the narrator when the small club expands to become a real menace in

Durden's masterpiece Project Mayhem.

Zelevinsky: Good point. The film itself isn't as much about the titular club — it's more about anarchic response to the pressure of conformism (curiously enough, a similar trajectory is traced in last year's *Pleasantville*).

And here we come to an interesting problem. *Fight Club* certainly is not a pro-violence film, so the outcry that the movie might instigate antisocial behavior is unfounded. But the anti-violence theme is delivered in a rather subtle manner (which is good, of course) so it might be unnoticed. The same thing happened to *A Clockwork Orange* — Stanley Kubrick's virulent anti-violence satire caused copycat crimes.

Hereby the paradox: one can't make an anti-violent film without violence, but then the film risks being interpreted in a completely upside-down way. This, perhaps, says a lot about our society, and it is a curious issue that *Fight Club*, as self-aware a film as they come, doesn't even attempt to address.

Loh: The sad thing is that some will come to measure the film's success by how much of a violent reaction it causes. However, I believe its true success lies in the fact that *Fight Club* manages to be a clever, thought-provoking film while simultaneously being an entertaining movie.

MUSIC REVIEW

State of the Airwaves

Brit Rock, Bond, and Brazen Acts of Injustice

By Dan Katz

STAFF WRITER

For anyone who was wondering when tickets for the October 29th Fuel concert at the Avalon is going on sale, the answer is never. WBCN and *edu.com* are giving away all the tickets free as contest prizes, much like WAAF's Danzig concert on Halloween. Radio stations put on these "listener parties" relatively often, and it really irritates me. National acts with heavy touring schedules are likely to play a city every four months, and it doesn't seem fair to tell a band's biggest fans they can't necessarily get in. Especially warped is the *edu.com* promotion, which isn't even asking for contest entries but is instead giving tickets away to random Boston-area students. Nice to know that a random BU student who only listens to classical music has as much of a chance as getting tickets as a Fuel die-hard.

Now that my whining is done with, let's talk about something positive: the new Foo Fighters single and video. "Learn To Fly" has a very warm and comforting sound to it; it's the kind of song for anyone who found "Everlong" too spastic but "Walking After You" too subtle. To back that up, it's got the best Foo Fighters video premise since "Big Me" connected a boring song with Mentos ads. The new video is a parody of "Airplane!" and features the band members portraying almost everybody in the cast. There's just something about hearing Dave Grohl singing that he's going to learn to fly while his plane goes down in flames that makes you smirk.

Concerts, concerts, concerts. Ash, the band that brought you "Goldfinger" and "Girl From Mars," will be at the Middle East Sunday night. Another fine British import hits the Paradise Rock Club the next night: Stereophonics, whose new album, "Performances and Cocktails," is being heralded as the greatest thing since sliced bread. But most importantly, whatever you do, find somebody who goes to Tufts and make them get you a ticket to the on-campus They Might Be Giants show on Wednesday. You won't be sorry.

I have yet to decide how I feel about Garbage's "The World Is Not Enough," the theme song for the upcoming James Bond movie of the same name. I guess I have to respect the traditionalism of keeping the Bond feel to the song, but the song starts out sounding like "Milk" and transforms into a carbon copy of every other Bond theme when the chorus comes in. Rather than meld the sounds of Garbage and spy music, the group disappointingly chose to staple them next to each other. Much more intriguing is Propellerheads' "Badseat Driver," a mutation of their remix of "On Her Majesty's Secret Service" that appears in the movie trailer and keeps it moving at breakneck speed. (And isn't it nice to see a Props song other than "Spybreak!" in a movie trailer?)

That Rage Against The Machine Tower appearance I was foreshadowing last week? November 4th at 7pm, at the Tower Records on Newbury Street. If you really want to get in, I recommend getting there extremely early — like tomorrow.

And just one more sign of the apocalypse: the last two Marcy Playground singles, "Comin' Up Wrong," and the just-released "It's Saturday," are both very good. Clearly the laws of the universe have been altered and any minute the newspaper in your hands is going to turn into a wolverine. Run for your life.

Still here? So am I, so write me an e-mail. Let me know what new bands you're into, any good concerts coming up that no one knows about, or where I can get an inexpensive haircut at <airwaves@the-tech.mit.edu>. I'm sure to be eternally grateful and shower you with extravagant gifts. Until next week, keep expanding your horizons.

CONCERT REVIEW

Vertical Horizon

Good Pop, Cheesy Personality

By Dan Katz

STAFF WRITER

Is it really a good thing to be a rock star? I've never gone to a Kiss concert, because I have minimal interest in a show that consists only of a band vigorously playing guitars, sticking out their tongues and yelling at the crowd for approval. I was unexpectedly confronted with the Kiss vibe on Saturday, when Vertical Horizon headlined a show at the Paradise Rock Club. Their music was well-played, but there was a certain cheesy element to their performance that kept me from fully enjoying it.

Opens Angry Salad started things off right with a cohesive pop sound and some extremely infectious tunes. The audience had little reaction to the band's initial appearance on stage, but after their first song, they were given a much warmer welcome. During their set, the band displayed impressive control over catchy modern rock songs like "Empty Radio" and "Coming To Grips," as well as notable guitar skills in faster numbers like the unusually dark "Scared of Highways" and their big single, "The Milkshake Song." The latter was driven by a loud percussion sample that gave the song an uncomfortably artificial feel, but lead singer Bob Whelan added some much-needed spontaneity by happily singing the last verse in Spanish. Closing with their fast-paced rendition of "99 Red Balloons," the local boys undoubtedly gained some new fans from the audience.

Vertical Horizon clearly didn't need to gain fans from the audience; I was amazed by how many people were singing along with every

song in their set (and in tune, too, which is a skill that many pop audiences tend to lack.) The band has not received excessive mainstream exposure, but they clearly have an army of die-hard followers.

Unfortunately, the band was very aware of this, and most of their communication with the audience consisted of lines like, "How do you guys feel about Vertical Horizon?" and encouragements to clap along with almost every song (including slower-paced ones like "Everything You Want," where it seemed incredibly out of place.)

Musically, the band had clearly mastered their material, but much of that material was very similar. Their real musical skill surfaced in their sporadic acoustic songs, which were intensely rhythmic and very energetic, as well as in epic tunes like "Shackled," the closer from their current album. The band also showed an odd predilection for starting covers of eighties songs and ending them prematurely, segueing suddenly from Police and U2 standards into Vertical Horizon originals. While for the most part the band peaked with their most challenging material, the highlight of their set was a powerful performance of the radio single "We Are" that showcased the group's skills at vocal harmonies and their ability to make simple guitar lines very powerful.

In general, the music at Saturday's concert wasn't particularly groundbreaking — but this wasn't a Mercury Rev show, it was a pop rock concert, and in that respect, the performances by both bands were extremely enjoyable. However, in the end, Angry Salad struck me as more entertaining than the headliners, thanks to more interesting guitar parts, a great sense of humor, and a willingness to talk the audience as friends rather than disciples. In my book, good songwriting and a little humility go a long way. Plus, sometimes you've just got to root for the home team.

DVD REVIEW

The Matrix

Packed With Features

By Jacob Beniflah

After amazing us with its special effects last year, *The Matrix* is back with a DVD release of the movie, jam-packed with special features.

The opening sequence of the DVD dives right into the action of the movie with a shot of Keanu Reeves (Neo) dodging bullets along with Laurence Fishburne (Morpheus) welcoming you to "the real world."

The film itself is divided into 38 scenes that the viewer can skip through and is presented in Dolby Digital 5.1 sound in widescreen format. The entire movie can be viewed with commentary from Carrie-Anne Moss (Trinity), John Gaeta (visual effects supervisor), and Zach Staenberg (editor) while the movie plays in the background softly. The commentary is informative and full of trivia, but is enjoyable to watch only if you are a huge fan of the movie. Also available is an option to watch the entire movie with only the soundtrack and commentary from Don Davis (composer). English is the only language available for dialogue and subtitles.

The special features section is what really sets *The Matrix* apart from other DVDs. This option offers the option to watch special documentaries on the making of the movie and read biographies of cast and crew. Featured biographies of cast members include: Keanu Reeves, Laurence Fishburne, Hugo Weaving (Agent Smith), and Joe Pantoliano (Cypher). The crew members include the Wachowski brothers (writers and directors) and Joel Silver (producer).

The first of the documentaries in the special features section is called "What is the Concept?" This 12-minute film shows various scenes of the movie from storyboard to composite models to actual footage, including the human hatchery, rebirth, and models of the ship. Another documentary is called "What is Bullet Time?" This movie spends over six minutes explaining how the slow motion scenes were filmed and why they

were placed there. I enjoyed this documentary the most because it wasn't too long and it revealed how some of the better scenes of the movie were made. Choosing "What is the Matrix?" will present a 25-minute production featurette filmed on location in Sydney, Australia. It includes interviews of the cast and crew and many film clips. It is well made, and even when it gets boring, you can always laugh at the Keanu Reeves interviews. Finally, you can choose an option to "Follow the White Rabbit," which allows you to watch the movie and click on the white rabbit at various scenes to watch behind-the-scenes footage of that scene.

If you have exhausted all of the special features and you have a DVD player for your computer (PC only), you can access even more special features. Playing the DVD in a computer with supplied software will display a screen that shows two hands: one has a red pill and the other has a blue pill. The red pill leads to the computer-only content and the blue pill leads to the opening screen for DVD players.

"Are You the One?" is a trivia game you can play to determine if you are worthy of saving the world. The game is a series of questions from the movie with clips playing in the background to help you answer. Answer wrong, and the sentinels will swarm in. The game is fun to play a couple of times but has little replay value besides punting a problem set. "Event Listing" shows all the web-based events you can access with the DVD. The next scheduled event is November 6 at 9 p.m., and will be a simultaneous viewing of the movie coupled with a chat with the Wachowski brothers.

"Alternate Realities" features several articles about the movie from such publications as *The New York Times* and *Time* magazine. "Programmed Realities" has the entire screenplay available to read through, including storyboard sketches. Users can click on the storyboard to actually jump to that scene in the movie. Beneath this heading is "Do You Know Kung Fu?," allowing the viewer to skip directly to six fight scenes in the movie. Finally, viewers can access the film's website.

Overall, *The Matrix* DVD is an excellent addition to any DVD collection. The disc is full of enough special features to keep you busy well beyond viewing the movie several times. With DVD prices so low on the Internet, there is no reason not to buy it.



WARNER BROTHERS PICTURES

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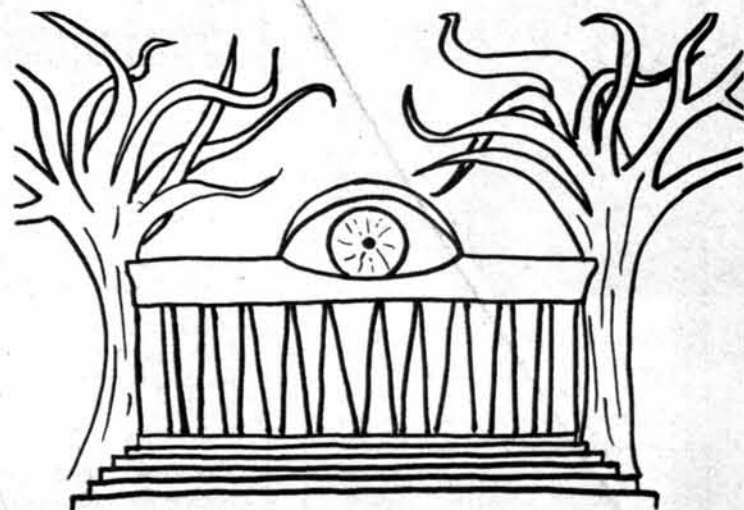
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MUSIC REVIEW

Tori Amos

To Venus and Back

By Fred Choi

ASSOCIATE ARTS EDITOR

Tori Amos is one of those impossible figures in the music world who, for various reasons, arouse so much hype that one continually has to wonder if there is any substance behind the public image. Tori Amos's latest release, *To Venus and Back*, silences any such doubts. It is also an amazing testament to a passionate and talented singer, songwriter, musician, and producer. The 2-CD album combines a live disc with a studio album, and highlights the fascinating musical language that this multi-talented performer continues to develop as she explores the elements of a song: subject matter, lyrics, melody, harmony, and structure.

The only real complaint about the live half of *To Venus and Back* is that it isn't three times as long. The disc features live performances from Tori's 1998 Plugged tour. In contrast to her previous three tours in which it was just a woman, her piano, and a microphone on the stage of a theater filled with a silent entranced audience, the Plugged tour traded intimacy for a more raucous show. It added a fantastic supportive band, Tori's first for a tour, consisting of Steve Caton on guitars, Jon Evans on upright and electric bass, and Matt Chamberlain on drums.

The songs on the disc were selected with the intent to model an actual concert, as opposed to forming a greatest hits collection, two of the best tracks being staples of the tour and always among the highlights of the show. The first of these, "Precious Things," is the perfect opener and never fails to rouse the audience. The second of these is "Waitress," the last song before the encores, signaling that the show is reaching its close but also that the best was still to come. This song is a revamped version off Tori's sophomore release *Under the Pink*, and the song builds and builds to a point that doesn't seem humanly possible to sustain any longer without exploding, and then it builds some more before it finally reaches its climax. The disc does a remarkable job of attempting the impossible in catching the energy of these and other powerhouse tracks, such as "Cruel," "Space Dog," "Cornflake Girl," and the inspired, new version of "Sugar."

The middle of the disc is the analogue to the tour section commonly referred to as "Secret Time," when Tori would play two or three songs solo. The first of these three songs selected for the album is "Cooling," one of Tori's best ballads. "Cooling" had only appeared previously on a UK single, but she played it often on the tour, prefaced with the comment that although it was one of her favorites, it "just didn't want to be on any of the albums." The song, finally on a wide-release album, is from



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Tori Amos's 2-CD album *To Venus and Back* represents the musician at her best.

the last show of the tour and definitely one of the highlights of the disc.

Along with the more familiar songs from the tour, some slightly less frequently heard songs also appear on the disc, including "Girl," "Little Earthquakes," "Bells for Her," and "Purple People." Some of these choices are a bit puzzling, especially considering that so many of the tracks are songs from Tori's first two albums, while some other excellent songs are missing. One can only hope that these tracks will appear as b-sides to forthcoming singles. However, the

succeed in standing their ground and captivating the listener despite the absence of the familiar ear-catching songs of the live disc.

The new tracks feature a wider palette of sounds than even Tori's most recent album, *From the Choirgirl Hotel*, which was a big break from her previous three albums in all respects. *To Venus* takes the experimentation of *Choirgirl* a step further and features more electronics, more transfixing rhythm, and a generally denser sound, focusing more clearly on a consistent overall sound than *Choirgirl's* diver-

choice of songs on the disc leaves little to complain about, and fans who caught the tour will appreciate finally getting the long-overdue disc of live material with such high-quality sound, ambience, and balance.

As memorable and gratifying as the live disc is, however, it is the studio half of *To Venus and Back* that is the real focus of the album. Indeed, it seems unfair to couple the two discs together as one album, since singly they are each worthy of full attention. The two discs inhabit completely different, not necessarily complementary, worlds: as a pair, they almost detract from each other's potency. Nevertheless, the

eleven subtle, finely-crafted studio tracks

choice of songs on the disc leaves little to complain about, and fans who caught the tour will appreciate finally getting the long-overdue disc of live material with such high-quality sound, ambience, and balance.

gent twelve tracks.

Although the studio album obviously has a new sound, there are many characteristics typical of Tori's previous work that appear upon closer inspection. These include complex harmonies, layered vocals (as on the dark "Suede"), cryptic lyrics, virtuosic keyboard playing, tongue-in-cheek humor (most apparent on the trippy track "Datura"), religious/mythological imagery, visceral subject matter (the memorable "Juarez" concerns the recent brutal massacres of women near the Mexican/U.S. border), and gorgeous, unpredictable melodies, some of Tori's finest, among them the powerful ballads "Lust" and "1,000 Oceans."

Also, like in her previous albums, Tori's choice of lyrics relating to space imagery masterfully binds the separate songs of the album into a cohesive whole. She also plays with connotations in a way that is distinctly idiosyncratic, such as in "Glory of the '80s," with its title that brings to mind big hair, glam rock, and the brat pack, but which eschews petty nostalgia and instead captures the decadence of the decade. In addition, it is easy to note the influence of her last album and tour, since more than a few songs feature repetition, generally looser structures, and more fully integrated keyboards.

Long-time fans may at first be put off by the unavoidable electronic sounds of the new album and the somewhat less personal lyrics and subject matter, but this album is still thoroughly enjoyable, since it includes some of Tori's finest works since her classic 1992 debut, *Little Earthquakes*. Of the 11 tracks there simply are no duds, and although each of the songs is sophisticated in almost all respects, they somehow manage concurrently to be more accessible than her last two albums. With the combination of live and new studio works, this is an album that is sure to please a large audience and represents Tori at her best.

LOCAL MUSIC INTERVIEW

Angry Salad

By Dan Katz

STAFF WRITER

It's always nice to see a hard-working local band that starts getting some serious national attention. Boston's latest success story, Angry Salad, broke big this summer with "The Milkshake Song," an instantly loveable track that's been added to playlists across the country. The band's most recent local appearance was a gig opening for Vertical Horizon; before the show, I had the pleasure of chatting with lead singer Bob Whelan about success, the Boston music scene, and why MIT students love to party

The Tech: I'll begin with the obvious question, which you probably hear all the time: where does a name like Angry Salad come from?

Bob Whelan: Well, when I started high school, I was in a band and we needed a name. So I was taking a vacation in the Virgin Islands, and I was sitting in a hotel bar talking to my older brother, and I said, "Bill, we need a name for a band," and we couldn't think of anything. Then the guy at the end of the bar yells out, "Call it Angry Salad!" I looked over to see where the voice came from, and I recognized the unmistakable overbite of the late great Queen frontman, Freddie Mercury. So then when we started the band in college, obviously we had to come up with a name again, and we decided, we're not going to get a better name than that, it came from the Mount Olympus of rock and roll. So we went with it and it's been good to us. People have a tendency to remember it. True, some people tend to confuse us with militant vegetarians, but it brings them out to the shows.

The Tech: "The Milkshake Song" is now sweeping the nation, and it fits all the general criteria for a hit pop song; when you write music, do you try to come up with songs that are likely to be popular, or do you focus more on playing the music you want to play?

Whelan: It winds up working out all right, in that I was weaned on my parents' record collection and my older brother's record collection, so my earliest influences were The Beatles and The Mamas and the Papas. I like pop music and stuff that's catchy. So I guess it just happens naturally; my instinct is to go down the happy road. Plus we worked with a mix engineer, Tom Lord-Alge, who's the kind of guy who knows how to bring out the guitar bits and the little vocal things so those two together just worked out.

The Tech: There's also a great cover on the album of Nena's "99 Red Balloons." Why did you decide to record it?

Whelan: It had really just been a late night studio thing. We just started playing around, and we sort of had a soft spot in our hearts for the song. Sometimes you just start playing a song and say, hey, this feels pretty good. We just liked the energy, and when we play it live, people really react to it, so we kept it around.

The Tech: The most memorable part of that track is probably the lines of nonsense German. [The last verse includes lyrics like *guten tag, Boris Becker, and Duncan Sheik.*]

Whelan: The inside story on that is that we were at A&M Studios in Los Angeles, and all these great artists have recorded there U2, Guns 'n' Roses, Motley Crüe, you name it. And The Scorpions were recording nearby, so I throw in the names of some of the guys in the Scorpions: Rudolf Schenker and Klaus Meine. So from there we just said, throw out your German, let's go for it.

The Tech: You're in the middle of a nationwide tour right now, but in the last month, you've played three shows in the Boston area. What's special to the band about playing here?

Whelan: One of the nice things about being a band from Boston is you have this college population that turns over every four years and you have people who'll stick around and support a band. It's also nice that in a city that tends to favor darker punk rock, we've had a lot of support and people who embrace the band. It's very gratifying to come back and have people who come out and sing the words. We played Mixfest last weekend, and we got to get in front of a few thousand people. But the thing about Boston is that, as puritanical as it is, all the shows are usually 18+ and a lot of times we don't get to play for people in high school that might want to see the band.

The Tech: How do you feel about that standard?

Whelan: I think it's terrible; it's really prohibitive. The first club show I ever saw was here at the Paradise, when I was a freshman in high school. I came to see Seven Seconds and a local band called the F.U.s, and it was great — I loved it. But at Mixfest it was nice because we got to play for everybody.

The Tech: And two years ago, you played Steer Roast at MIT.

Whelan: That show was insane. It was outside and raining and there were people hanging out of windows and on balconies. You guys really know how to turn it up there. We've always been fans of the MIT folks, because we talked to somebody after the show and they said, "We work our asses off all week, drink our asses off on the weekend." It was a lot of fun to play there.

The Tech: What kind of bands have you played with on this tour?

Whelan: We're doing a lot of bouncing around now. Last week we did a couple of shows with Sugar Ray, next week we're doing one with Train, and tonight it's Vertical Horizon. One thing about touring with other bands is that timing is everything. We were offered the Verve Pipe tour, but we were here when they were going to be out west. We were also offered — and this one breaks my heart — the Men at Work tour. We got to do one show with them in Chicago. We always welcome the opening slot thing, and it's very often that people come and they don't have any expectations, they're there to see the main act. And if you go out there and you don't suck, now you're sort of blending bands. We like the idea of giving people their ten or twelve bucks' worth. We just love touring. I think that hour or so we spend on stage is the only time we're productive members of society.

The Tech: Speaking of Men At Work, there's a lot of songs on the album with a strong '80s influence. Where does that come from?

Whelan: It was sort of the story of our youth. The Men At Work thing meant a lot to Hale. [Against all odds, drummer Hale Pulsifer conveniently walks by.] Actually, Hale can probably answer that, because we just did an interview with a Swedish magazine that asked us to name our five favorite albums from the '80s. Hale, what were they?

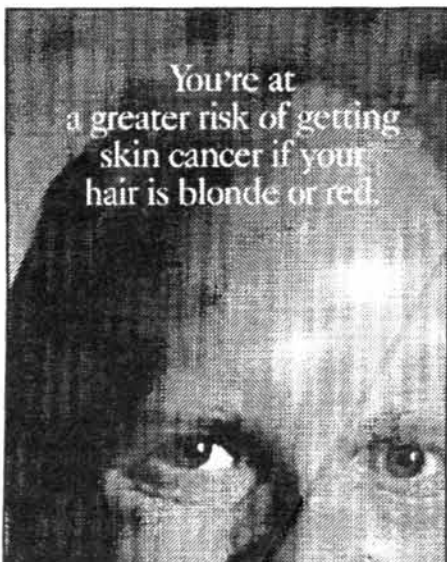
Hale Pulsifer: Men at Work, *Business As Usual*, so to play with them was one of the best nights ever, The Police's *Synchronicity*, a great album, Def Leppard, *Power Mania*, Pink Floyd, *The Wall*, and U2, *The Joshua Tree*.

Whelan: And what he's not telling you about is all the Abba albums. (Laughs)

The Tech: So to finish things off, what have you been listening to recently?

Alex Grossi: (enthusiastically) Kid Rock!

Whelan: Actually we've been listening to Vertical Horizon a lot. We've got Ani DiFranco's *Living In Clip*. She's one of those songwriters that I just sit down to and she's very genuine and very honest, which is sort of something we try to capture. Like Alex said, Kid Rock *Also the Samples*, after we just toured with them. And Lou Bega's *Greatest Hits*. (Laughs)



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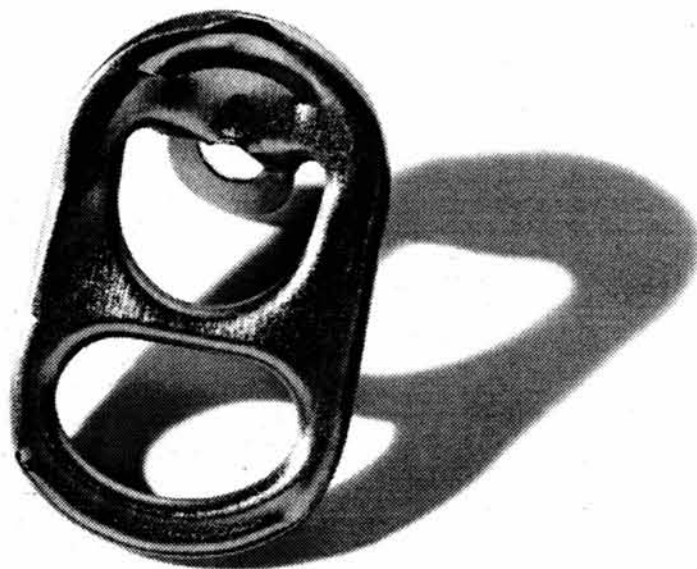


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ON-CAMPUS REVIEW

MIT Symphony Orchestra & Concert Choir

A Great Start to a New Season

By Fred Choi

ASSOCIATE ARTS EDITOR

Kresge Auditorium

October 16, 1999

Directed by Dante Anzolini

Choir preparations by Dr. William Cutter

Despite the late start, the MIT Symphony Orchestra and Concert Choir's Family Weekend Concert last Saturday, October 16, was a wonderful opening concert to a new season. Both the Symphony and Choir under the direction of conductor Dante Anzolini, with the Choir prepared by Dr. William Cutter, were in fine form for the audience in the packed Kresge Auditorium, and I look forward to hearing both of them in future concerts this year.

The first half of the program focused on the MIT Symphony Orchestra and featured the well-beloved *Enigma Variations* (Op. 36) by Edward Elgar, as well as student Petra Chong's new work *Into the Unknown Region* and Institute Professor and Pulitzer-Prize winning composer John Harbison's *Remembering Gatsby: Foxtrot for Orchestra*. Of these, the *Variations* were perhaps the most ambitious project, since the work is well-known and consists of fifteen distinct sections, each with its own character and difficulties. Nevertheless, the Orchestra tackled the piece with vigor and aplomb.

One of the greatest difficulties of any piece of multi-movement music is getting the character and tempo of each section from the very beginning. This is especially true of the *Variations*, as the moods are many and varied and, with the exception of the final variation, the sections are less than a few minutes long, some as short as thirty or forty seconds. This ability to switch moods quickly and accurately is a significant difficulty, and for an ever-changing orchestra like the MITSO, which has only been playing with its new body of members for a month and a half, it is no surprise that there were several times that it took too long for the orchestra to get the character of the variation. This was especially apparent in the second, the ninth (the popular "Nimrod"), and the eleventh mercurial variation.

Other than this difficulty, the Symphony's performance of *The Enigma Variations* was well-executed. As has come to be expected, the lower strings, particularly the cello section, could be counted on to play with virtuosic assurance and lucid phrasing. The moments, like the end of the introductory section, the theme, and the twelfth variation, in which the cello section was the focus of attention, were simply delightful. The upper strings tended to lose their forward momentum (for example, in the first variation), or neglect to breathe together (ninth variation), but they deserved appreciative applause for the numerous difficult sections of scales, chromatic figures, and arpeggios that they played with great proficiency. In addition,

the brass and the percussion brought nice energy to the ensemble, and although in general the woodwinds played well, one felt that they could have had a bit more presence, even when not being the center of attention. The *Variations* also enabled several soloists to shine, among them the musicians on viola, solo cello, and clarinet, each of whom played with impressive skill.

The second work, Petra Chong's *Into the Unknown Region*, was a wonderful chance to hear music by a student composer. The tone, although fairly straightforward in its intentions, was never boring and included a range of moods. Of particular note were the sunny melodies in the middle section of the piece and the inspired orchestration which demonstrated Chong's aptitude in writing for orchestra. Examples of this included a wonderful oboe and flute duet, a memorable horn solo, and notable trumpet, bassoon, and harp parts. Near the end of the piece, a snare drum and wood block were used to great effect to signal the shift in mood. The orchestra performed this work with confidence, and one hopes that we will have the opportunity to hear this and other works by this composer in the future.

The last work of the first half was the much-anticipated *Remembering Gatsby*, originally conceived as an overture to the opera based on Scott Fitzgerald's classic novel. *Gatsby* will be receiving its premiere by the New York Metropolitan Opera on December 20th of this year. Although the Symphony played the introduction with a little more dissonance than written, in almost all other respects the performance of the piece, which also happens to be a set of variations, was quite impressive. The subsection of the orchestra played the light foxtrot section with great zest, and the orchestra as a whole did a very nice job with the slightly quirky parts of the work, especially in the latter half, where the main themes are fragmented and then repeated and intertwined. Also, recognition should be given to the violin, saxophone, and trumpet players for their beautifully executed solos. The last few bars were played with such a perfect lightness that it brought a smile to my face and enthusiastic applause from the audience.

After intermission, the MIT Concert Choir joined the orchestra on stage for a trio of opera choruses, starting with the introduction and chorus from *Cavalleria Rusticana* by Pietro Mascagni. Although the Symphony produced a strong sound, they did not play with a breezy enough style necessary for the piece. Once the choir entered, the orchestra was able to match the choir's light, easy tone. The choir, well-prepared as always, sang the Italian words and the lyric notes with seemingly little effort. But the most impressive was the intelligible character they infused into their singing. The personality they conveyed made it easy to overlook the occasions upon which the sopranos sang noticeably sharp or the male voices failed to be in tune with each other, and appreciate moments

such as the excellent solo sections.

The Intermezzi from *I Pagliacci* and *Manon Lescaut*, the former by Ruggerio Leoncavallo and the latter by Giacomo Puccini, gave the choir a break between choruses, and a chance for the Symphony to enjoy the gorgeous melodies from the Italian operas. The Symphony demonstrated a good grasp of these fairly uncomplicated works.

The choir performed the second chorus, "Chorus of the Enslaved Jews" from Giuseppe Verdi's *Nabucco* even better than the first. The choir's phrasing was wonderful, and their unison sections were first-class. It was disappointing, however, that the inner strings' accompanying figure was so uncharacteristically but obviously ill-prepared.

The concert ended with a rousing performance of "Stomp Your Foot" from Aaron

Copland's *The Tender Land*. The choir and the orchestra had a lot of fun with the piece, and it was thoroughly enjoyable, from the men's impressively controlled opening to the joyous ending. The choir sang lines such as "Churning butter, milking cows" with an appropriate mixture of amusement and seriousness, so the piece was easily one of the highlights of the entire concert. Although the choir has tackled more difficult pieces than this in the past, it was a distinct pleasure to hear them make the most of the piece and perform with such authority and brilliance.

The opening concert of this season indicates that this year's MIT Symphony Orchestra and Concert Choir are ones that are headed for even more memorable performances in the future. Be sure to catch the Concert Choir's performance of Mozart's *Vesperae de Dominica* and *Poulenc's Gloria* (November 19) and the Symphony's performance of Schnittke's *Concerto for Viola* (with Professor Marcus Thompson on viola) and Mahler's *Symphony No. 5* (December 3).

FOOD REVIEW

The Essential Vegetarian

A meeting with Aramark

By Katharyn Jeffreys

FEATURES EDITOR

In last week's column, I voiced my displeasure with Network's menu changes this fall. They had eliminated many vegetarian options without replacing them with other items. Tony Cassese, Food Service Director of Networks and Beth Emery, District Manager of Aramark, invited me to meet with them regarding the column. I was pleased to find that they both demonstrated a commitment to vegetarian dining options.

Networks, I said, is now trying to incorporate more meatless entrees into their menu. Two new prepared sandwiches are available: one with hummus and roasted vegetables and another with cream cheese and fresh veggies. Additionally, they cited the many vegetarian specials they will be offering. I emphasized that vegetarians, like anyone else, often want a "meal," not just a salad or some pasta, dishes which can be healthy but are often not particularly hearty. They are working on creating a Pan Geos wrap, which I personally look forward to seeing on the menu.

Aramark's response to my concerns came as a welcome surprise, and I am pleased that they acted so quickly to rectify the situation at Networks. In addition to menu changes, Cassese and Emery emphasized that since Networks food is cooked to order, anyone with a dietary restriction can request a menu item cooked a special way. For vegetarians, however, a dish without meat is often less expensive. So to pay for meat in a dish which has none (if no reasonable substitution such as mushrooms or beans are available) seems inappropriate. The gesture is nice, however.

I recently visited Antico Forno in the North End for what I was told would be fabulous gnocchi. This pasta treat is not available in many restaurants, so I was excited. Antico Forno means "ancient furnace" in Italian, and this fire is in fact visible in the back of the small restaurant. The atmosphere is cozy enough to seem romantic, but the tables are close enough together and the noise level loud enough that it is not an intimidatingly formal place. It is clearly aimed at couples, and rightfully so. It makes for a great place for a first date in ambiance, but possibly not in price.

A pasta dish runs about \$10-\$12. I chose the gnocchi, to satisfy my craving. It was baked, with a crust of smoky, fresh mozzarella cheese on top. It was not the best version of this pasta I have tasted, but I have a preference for versions in which the potato base of the pasta is distinguishable. The menu is small, but there are several vegetarian options, including a vegetarian lasagna, which looked promising.

The restaurant does not serve coffee or dessert, which I found a bit strange. But there is not a shortage of coffee shops and pastry shops in the North End, so enjoy a change of scenery if you have a hankering for sweets after dinner.

The service was very friendly but somewhat sporadic. (I was gleefully offered bread, but not brought any until my entree came.) Additionally, the *maitre'd* kept me on hold for a long while when a called to make a reservation, leaving me to listen to the chatter of the restaurant patrons as well as the static from his portable phone as he carried it around.

This week's recipe is for Vegetarian Spring Rolls with Sweet and Sour Sauce. Ingredients can be found at markets in Chinatown, or probably even at the University Park Star Market. These isn't the healthiest recipe, but spring rolls are a tasty treat. I would enjoy hearing what you think of MIT campus dining, or any other vegetarian issue. I can be reached by e-mail at <veggie@the-tech.mit.edu>.

Vegetarian Spring Rolls

1 tsp Polyunsaturated oil
1 Clove garlic, crushed
50g Mushrooms, chopped (about 2 oz)
2 Green shallots, chopped
1/4 Red pepper, chopped
2 cups Shredded Chinese cabbage
2 tsp Water
2 tsp Salt-reduced soy sauce
1/4 sm Vegetable stock cube, crumbled
1 Tbsp Cornstarch
6 Spring roll wrappers
1 Egg white, lightly beaten

Heat oil and garlic in a pan, add mushrooms, and cook for 2 minutes. Add shallots, pepper and cabbage. Cook, covered, until cabbage is wilted. Stir in blended water, sauce, stock cube and cornstarch. Divide mixture between wrappers, fold sides in, roll up.

Brush rolls lightly with egg white, place on a baking paper-covered oven tray, bake in moderately hot oven for about 25 minutes or until lightly browned. Yield: 6 rolls.

Serve with sauce:

Sweet and Sour Sauce:

1/2 cup pineapple juice
2 Tbsp white vinegar
1 Tbsp no-added-salt tomato sauce
2 tsp brown sugar
1 tsp cornstarch
1 tsp water

Combine juice, vinegar, sauce, and sugar in pan; blend cornstarch and water, add to pan; stir over heat until sauce boils and thickens slightly.

POETRY READING

John Hildebidle

By Frank Dabek

EDITOR IN CHIEF

John Hildebidle read from his latest volume of poetry, *Defining Absence*, last night as part of the poetry@mit series. *Absence* is the third collection of poetry published by Hildebidle, a professor of literature at MIT.

Hildebidle, eschewing a podium or microphone, read a dozen or more selections to an audience of around 25. The (mainly) free verse poems were delivered in a comfortable, conversational tone that barely distinguished them from the stories and personal recollections that Hildebidle provided as background to his work. The selections drew effectively on these personal recollections and Hildebidle exploited his highly descriptive verse in a number of poems inspired by photographs. A professed influence of Thoreau was also evident in a number of works centering around nature — vivid descriptions of natural environments (even in urban or suburban surroundings) were present in nearly every selection.

Despite his professed desire to write about the "real world" instead of "reciting ... precious impressions of leaves..." many of the most effective poems were based on the poet's life. "Walking Him Home" relates the experience of creating original tales with his son Nick, then six.

"Remembrance" was written in Ireland on the occasion of the anniversary of the birthday of the poet's daughter who died in infancy. It's battling tenses (the child "is"

and alternately "would've been" 10 years old) capture the ongoing struggle of living through such a painful absence. "To Accompany a Gift of Flowers," which received the most enthusiastic reception from the audience and which Hildebidle described as his favorite in the collection, is an elegant love poem addressed to the author's wife.

A confessed "photograph freak" a number of the poems featured at the reading were inspired by scenes captured on film. Hildebidle's highly descriptive verse not only captures the pictures but also finds ongoing stories and dynamic personalities in the static images.

Many of these image-inspired works take nature as their subject. "Lampost and Child in Autumn..." takes place in a town but focuses on the trees (and the poet's aforementioned "precious impressions") that line the street. "Botany of a Kind" which Hildebidle described as "my version of Keat's 'Autumn'," renders the traditional autumnal nature scene but again connects it to urban civilization — the poem describes trees seen through a bedroom window.

Defining Absence (paperback, 64 pp.) is published by Salmon Publishing, Mosher Ireland and is available exclusively at the Grolier Poetry Book Store, Harvard Square for \$12.00. The next poetry@mit reading will take place on November 18 in 6-120 and will feature Michael Gizzi reading from his new collection *Too Much Johnson*.

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



TIMOTHY WHITE/RON BATZDORFF—TOUCHSTONE PICTURES

Julia Roberts and Richard Gere star in the romantic comedy *Runaway Bride*, from Touchstone Pictures. The film is directed by Garry Marshall.

Autumn Tale (★★★★)

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

Black Cat, White Cat (★★★★)

Emir Kusturica's followup to *Underground* is the cinematic equivalent to a wild party — loud, boisterous, violent, and charming. It's not very ambitious, content merely to describe its world, but it's directed with flair and energy and features an irresistible soundtrack and one perfect love scene. — VZ

Earth (★★★★)

Based on Bapsi Sidhwa's novel *Cracking India*, this film sees the partition of the Indian subcontinent into India and Pakistan through a child's eyes. Haunting images, great soundtrack by A.R. Rahman, and unforgettable performances. It's a romance, a tragedy, a history, and a comment on the human heart: its tenderness and the beast that hides within. This movie is not to be missed. — Zarminae Ansari

Fight Club (★★½)

A complex screenplay, strong performances, and artistic direction make for an enjoyable filmgoing experience. The excessive violence and rhetoric at times cause the pace to drag, but the film's subtleties will be pondered long after the movie ends. Curiously, while *Fight Club* is comprised of many strong components, the film as a whole feels somehow lacking. — Rebecca Loh, 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



ROB MCEWAN—HOLLYWOOD PICTURES

Left to right: Michael Buie, Ryan Northcott, Russell Crowe, and Kevin Durand play small town hockey players whose team is brought to national attention in *Mystery, Alaska*.

mixture of light comedy and somber drama, with these two halves desperately fighting each other. — VZ

Mystery, Alaska (★½)

A very confused hockey comedy-drama from Jay Roach (*Austin Powers*) and David E. Kelley (TV's *Ally McBeal*). Based on the premise of a small town hockey team taking on the New York Rangers, *Mystery, Alaska* is essentially about the character quirks that are exposed when the outside world begins to invade. The movie suffers from an aimless plot and actors who seem to be acting in separate films. Additionally, it offers little in the way of either motivation or resolution. — Amy Meadows

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. — Roy Rodenstein

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



ZEITGEIST FILMS

Kitu Gidwani (as Bunty Sethna) carries Maia Sethna (as daughter Lenny) in the Deepa Mehta film *Earth*, from Zeitgeist Films.

Tarzan (★★★★)

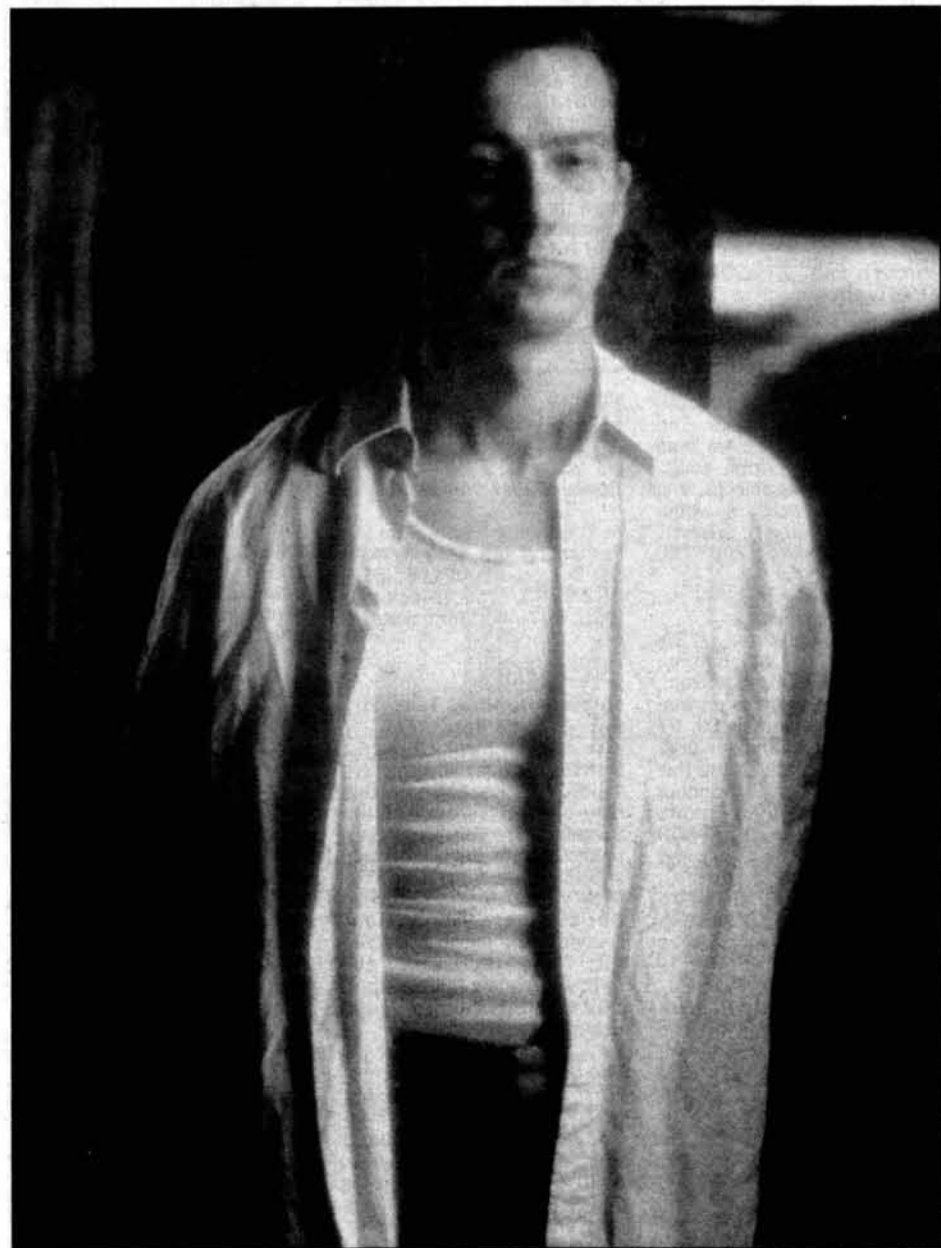
A good, solid, workmanlike movie from the Mouse House; just about as good as anything they made in the last few years, and not better. The overall story of the orphaned boy Tarzan who's brought up by the African apes is so tired that it really doesn't matter much. What lingers in the memory is the more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

Three Kings (★★½)

As one of the most creative films of the year, David O. Russell's third film *Three Kings* marks his strongest directing effort to date. When American soldiers set out to find Saddam's stolen gold bullion, they also find Iraqi citizens in need of their help. In their efforts to help, the characters are forced to question the point of America's involvement in the Persian Gulf. The creative use of the camera makes for powerful images that help drive the film's message home. — Michael Frakes



MERRICK MORTON—TWENTIETH CENTURY FOX

Edward Norton narrates the David Fincher film *Fight Club*.

Popular Music

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. 30: Paolo Conte, \$28, \$22.
Oct. 31: Eleftheria Arvanitaki, \$50, \$35, \$25.
Nov. 6: Irakere, \$38-\$30.
Nov. 7: Bryan Ferry, \$40, \$50.
Nov. 13: Natalie MacMaster, \$20, \$25.
Nov. 18: Keb' Mo', \$19.50.
Nov. 19: Arlo Guthrie, \$22.50-\$27.50.
Nov. 21: Misia, \$20, \$25.

Centrum Centre
Ticketmaster 931-2000.
Nov. 14: Bob Dylan, Phil Lesh & Friends, \$29.50.

Fleet Center
Ticketmaster: 931-2000

Oct. 29: Monster Jam (presented by Jam'N 94.5, with Jay-Z, Jah Rule, Destiny's Child, Ginuwine, Naughty by Nature, Shaggy, Mr. Vegas and Blaque. Sold Out.

The Middle East
Ticketmaster: 931-2000.
Ticket prices vary. Call 354-8238 for more info.
Oct. 22: Banco De Gaia.
Oct. 23: Magnetic Fields.
Oct. 24: Queens of the Stone Age.
Oct. 24: Toxic Narcotic.
Oct. 26: Ida.
Oct. 26: Momus.
Oct. 28: Linton Kwesi Johnson.
Oct. 29: Marine Research
Oct. 31: Archer Prewitt.

Orpheum Theatre
Ticketmaster: 931-2000
Oct. 30: Guster, \$17.50.
Oct. 31: Counting Crows, \$28.50.
Nov. 2, 4: Meat Loaf, \$65, \$39.50, \$28.50.
Nov. 13: Chris Cornell, \$23.50.
Nov. 16: Richard Thompson and Lucinda Williams, \$31, \$26.
Nov. 18: Live, \$27.50.
Nov. 27-28: Sting, \$125, \$75, \$51.

Tsongas Arena (Lowell, MA)
Ticketmaster: 931-2000.
Oct. 27: Kid Rock, \$20.

Jazz Music

Regattabar
Concert: 876-7777
Ticket prices vary. Call 661-5000 for more info.
Oct. 21: Pierre Hurel Trio.
Oct. 22: Patrice Williams Group (two shows).
Oct. 23: Roomful of Blues (two shows).
Oct. 26: Butch Thompson, Eli Newberger, Jimmy Mazzy Trio. (A CD release performance)
Oct. 27: Fully Celebrated Orchestra.
Oct. 28-29: Wallace Roney Quintet (Thur. one show, Fri. two shows).
Oct. 30-31: Fabulous Bud E. Luv and his Hollywood Memories Orchestra (two shows per day).

Scullers Jazz Club
Ticketmaster: 931-2000
Ticket prices vary. Call 562-4111 for more info.
(All performers have two shows per day unless otherwise noted)
Oct. 22: Tuck & Patti.
Oct. 26, 27: Great Guitar Summit.
Oct. 28, 29: Miles Evans & the Gil Evans Orchestra.

Classical Music

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

Oct. 28-30: Blacher: Variations on a Theme of Paganini; Prokofiev: Piano Concerto No. 2; Ravel: Daphnis et Chloe, Suites Nos. 1 and 2. Emmanuel Krivine, conductor; Evgeny Kissin, piano. Tickets available: Thur: \$31, \$24, Fri., Sat.: Sold out.

Nov. 4-6: Copland: Appalachian Spring (complete); Knussen: *Where the Wild Things Are*. Fantasy opera after Maurice Sendak. Oliver Knussen, conductor; Rosemary Hardy, soprano; Lucy Shelton, soprano.

On The Town

A weekly guide to the arts in Boston
October 8 - 15
Compiled by Fred Choi

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

Tickets: \$70-24.

Theater

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

One Man Band
Oct. 22-23 at 8 p.m. at Mobius, 354 Congress St., Boston, near the South Station T stop on the MBTA Red Line. Mobius proudly presents performance solos by Marjorie Morgan with lighting by Holly Ratafia and slides by Whitney Robbins. Ms. Morgan captivates her audience with her humorous and incisive characters and rich blend of movement, text, and song. This series of showing marks the first time Morgan has presented a program exclusively comprised of solos, and the range of themes includes real estate and hunger to rape and redemption. Reservations are strongly recommended. Tickets \$12, \$10 students, seniors, and Friends of Mobius. \$5 coupons will be available at Mobius during the Fort Point Channel Open Studios, Oct. 16, 17. For more information or to make reservations, call 617-542-7416.

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

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

Exhibits

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



Catch the Black Crowes at the Orpheum Theatre October 31st. Left to right: Audley Freed, Rich Robinson, Sven Pipien, Chris Robinson, Steve Gorman, and Eddie Harsch.

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 and parking free. <<http://www.mnh.org>>

Civil War Exhibit
Through Nov. 14. 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.

George Washington, American Symbol
Through Feb. 27, 2000. In observance of the 200th anniversary of his death, the Museum is hosting a unique exhibition which presents the most comprehensive exploration of the enduring nature of Washington's image. The exhibit will present more than 150 paintings, prints, sculptures, decorative objects, and memorabilia, including works by Peale, Gilbert Stuart, Norman Rockwell, and N.C. Wyeth.

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

Boston Ballet Company
At the Wang Center for the Performing Arts, 270 Tremont St., Boston, MA 02116. (617) 482-9393. Call Telecharge (800) 447-7400 for tickets.

Firebird
Through Oct. 24. Tue., Fri., Sat. 8 p.m.; Wed., Thu., 7 p.m.; Sat. Sun., 2 p.m.; Boston Ballet opens its 1999-2000 season with this new one-act version of the Russian fairy tale, danced to music by Igor Stravinsky and choreographed by New York City Ballet soloist Christopher Wheeldon. Daniel Pelzig's one-act 1994 hit, *The Princess and the Pea*, completes the program. \$69-\$12.50. Student rush tickets \$12.50.

The Nutcracker
Nov. 26-Jan. 2, 2000. Tue.-Fri. 7:30 p.m.; Sat. 2 p.m., 7:30 p.m.; Sun. 1 p.m., 5:30 p.m. Boston Ballet's 1999 Nutcracker features new choreography by Anna-Marie Holmes and Daniel Pelzig in Acts I and II, as

well as the usual lavish scenery, special effects and costumes. Filled with the wonder and magic of the holidays, *The Nutcracker* follows a young girl named Clara on her dream adventure. The ballet is set to the music of Tchaikovsky and is choreographed by Bruce Marks and Daniel Pelzig. \$59-\$12.

Ringling Bros. and Barnum and Bailey
Ticketmaster 931-2000.
Through Oct. 24. "The Greatest Show on Earth" is returning to the FleetCenter. Fun for the whole family! \$35 (VIP), \$25, \$15 and \$10.

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.

World's Best TV Ads
2-program series through Nov. 6: \$10, \$12.

Part 1: British Advertising Films of 1997
Oct. 29, 30: (100 min.). Now in its 23rd year, this annual collection of television ads reveals the British to be the true masters of the advertising film.

Part 2: Cannes 1997 Advertising Film Festival
Oct. 29, 30: (75 min.) Culled from some 5,000 entries, this compilation of ads from more than 17 countries represents the winners of last year's Cannes Advertising Film Festival, an annual event showcasing some of the most creative commercial filmmaking to be found anywhere.

Wizard of Oz on Ice
Nov. 4-7. Producer Kenneth Feld presents *The Wizard of Oz on Ice*. This cherished classic has all the charm of the original story in a brand-new production that features the latest in technical magic all captured live on ice. Olympic gold medalist Robin Cousins provides the show's stars with brilliant choreography. Vocal virtuoso Bobby McFerrin will win your heart as the voice of all the key characters except Dorothy, who is brought to life through the talented voice of Laurnea Wilkerson. \$12.50. Call Ticketmaster for tickets.

Improv-ice presented by Mohegan Sun
Dec. 2 at the Centrum Centre. Unprecedented skating performances by 12 of the world's top figure skaters. Scheduled to perform at this one-of-a-kind event: Katarina Witt, Elvis Stojko, Ekaterina Gordeeva, Philippe Candeloro, Nicole Bobek, Rudy Galindo, Lu Chen, Kurt Browning, Caryn Kadavy, Michael Weiss, Surya Bonaly, Alexei Yagudin. One hour before the event, skaters will make their draw to select a style of music. Each skater will then have one hour to listen to the music on a personal walkman with 30 minutes to rehearse on the ice prior to the exhibition and 30 minutes off the ice. Each skater will perform his or her improvisational number and then participate in group improvisational numbers in the second half of the program. Tickets: \$55 (Limited On-Ice Seats), \$45, \$35. Groups of 20+ Save \$5.00. Call 508-755-6800 ext. 2125. Call Ticketmaster 931-2000.

WWF Raw is War
Dec. 6: Catch the bad boys of wrestling for an evening of non-stop, heartpounding action. Tickets \$35, \$28, \$22, \$17. Call Ticketmaster 931-2000.

Kenny Rogers: A Holiday Concert
Dec. 10 at the Centrum Centre. Let your holiday spirit shine! Join in for a night of holiday magic and country favorites as Country 99.5WKLB proudly presents *Kenny Rogers: A Holiday Concert*. This will be a memorable night, as he performs all-time favorite hits and holiday classics in an intimate half-house setting with his captivating melodic voice and harmonious guitar. Limited VIP tickets: \$50, \$35, \$25. Call Ticketmaster 931-2000.

October
22, 1999

COMICS

The
Tech

FUN

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PAGES

XIPPO'S ^{REALLY BIG} Courseload by SOLAR

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xippo@mit.edu

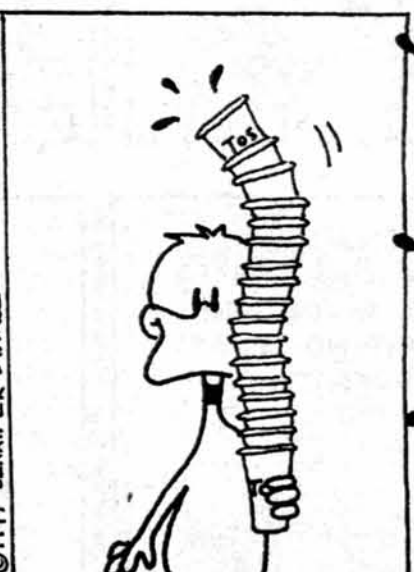


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Down with Science

by Jennifer DiMase

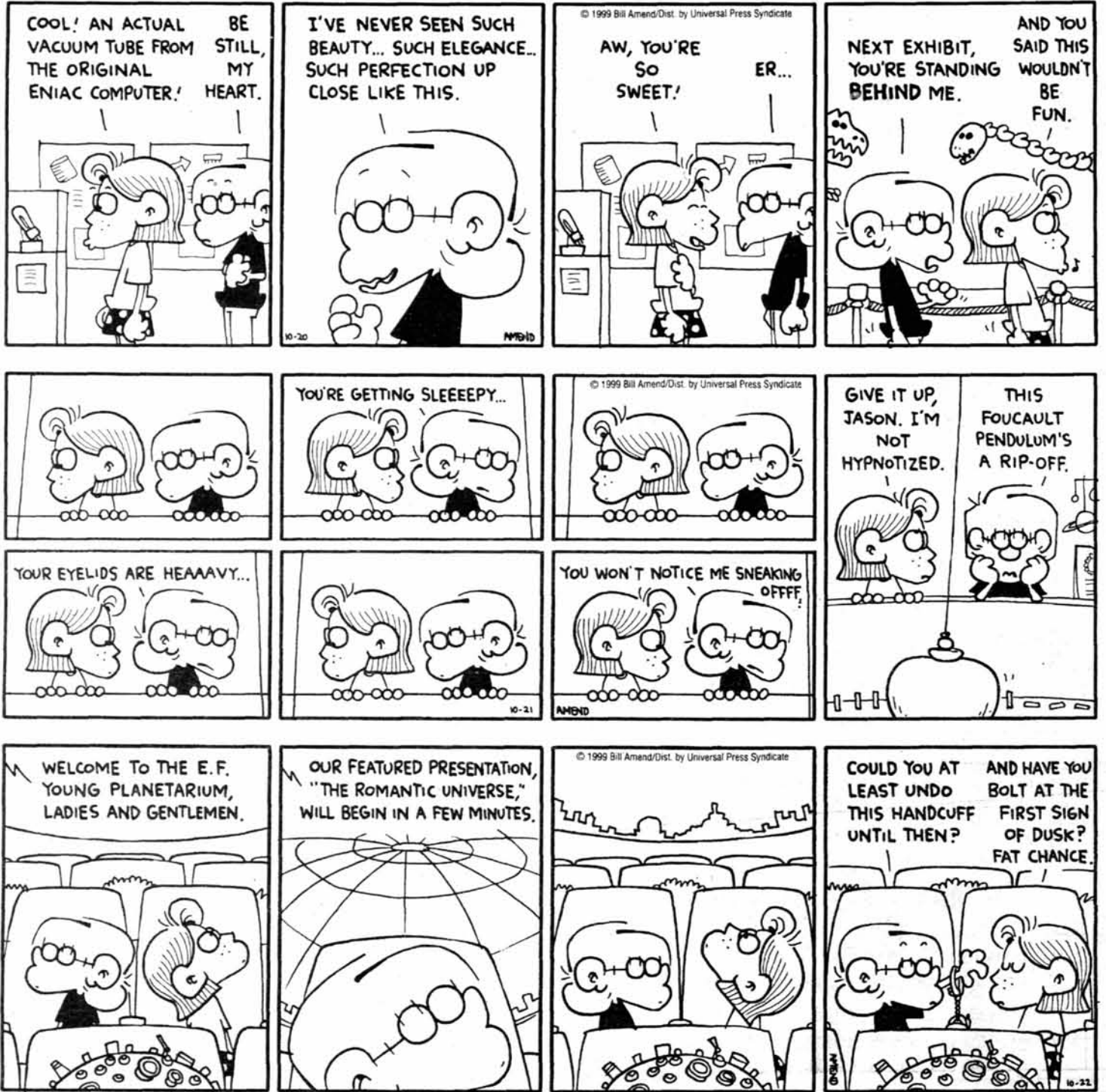


Tired
Soles
BY DAVID



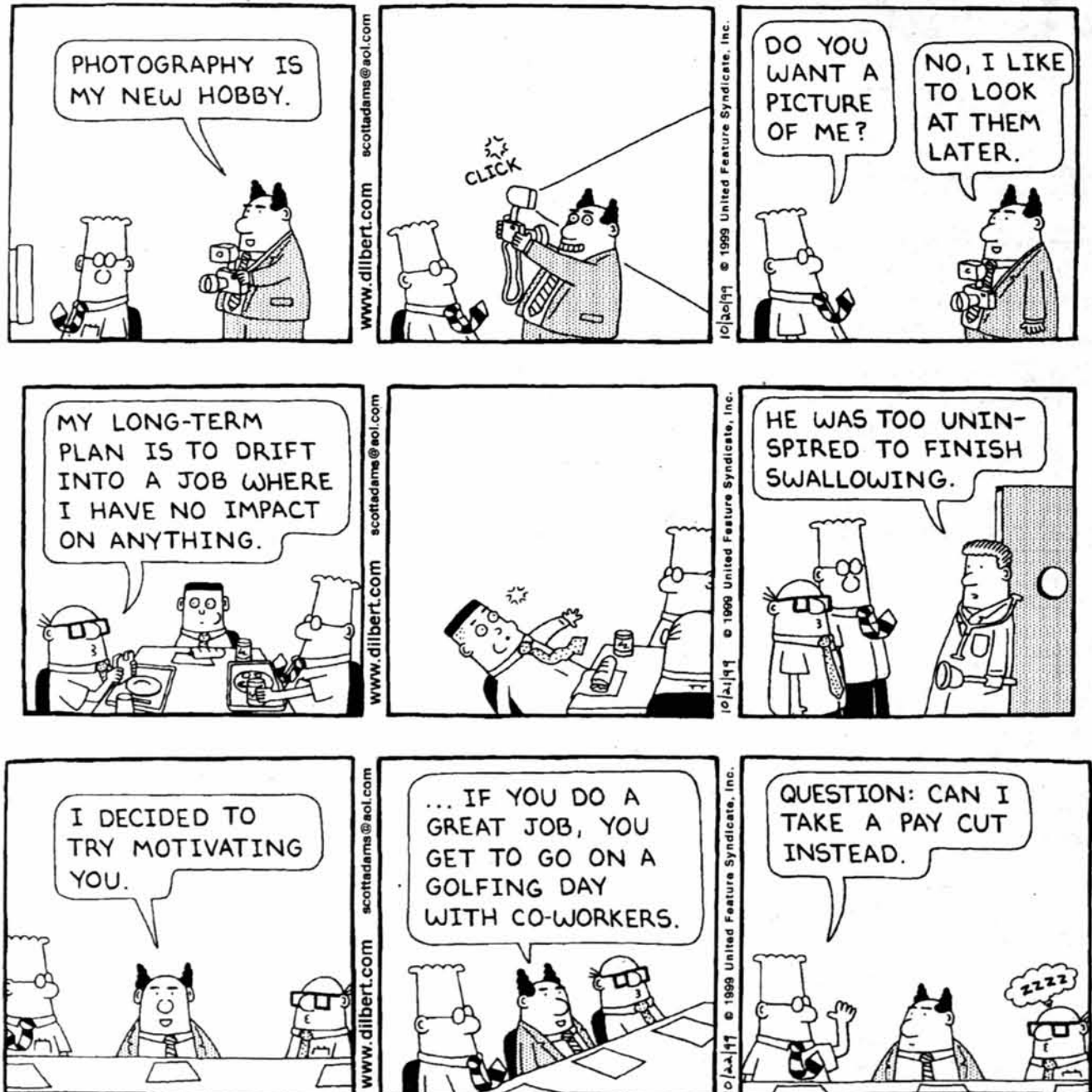
by Bill Amend

FoxTrot

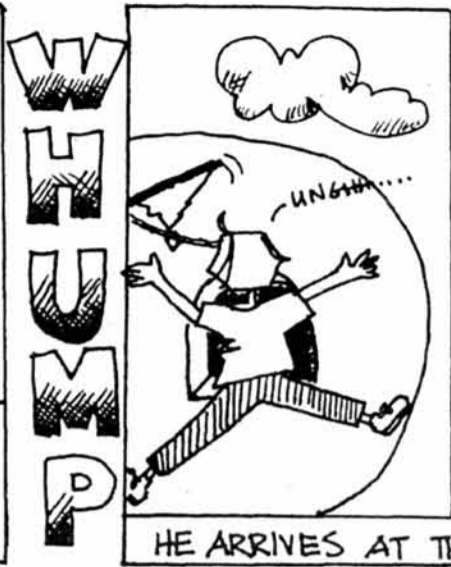
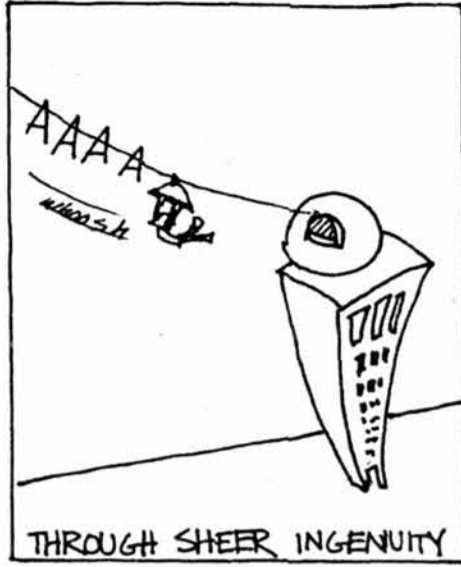
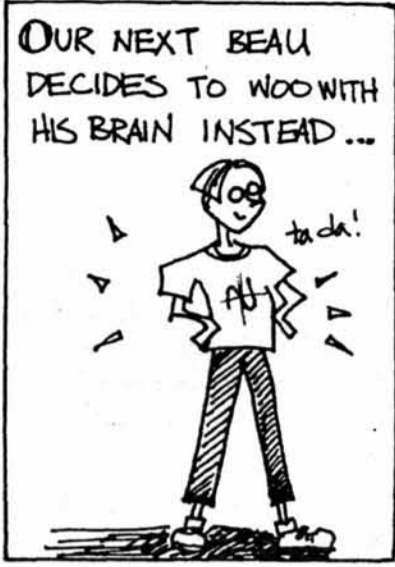


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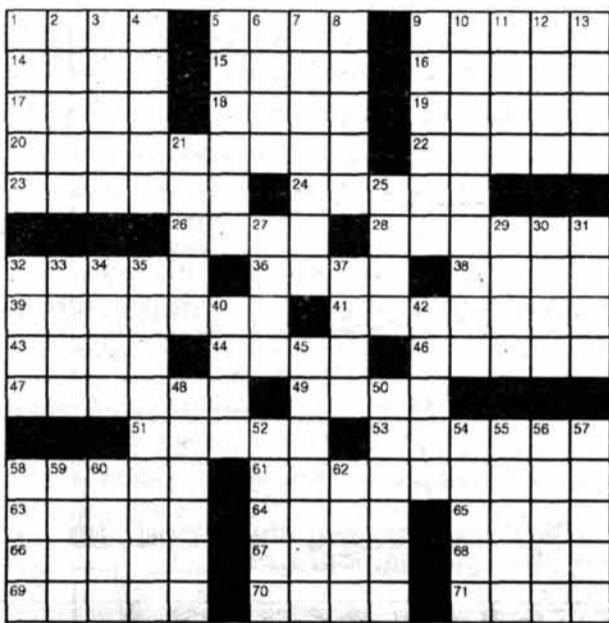


fairytale @ MIT



by jocelyn lin

Crossword Puzzle



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ACROSS

- 1 Green shade
- 5 Louver
- 9 Hold firmly
- 14 Caspian feeder
- 15 Office note
- 16 Lofty nest
- 17 "Beloved" author Morrison
- 18 Terrible tsar
- 19 Let live
- 20 Accompanying
- 22 Sword choice
- 23 Boil
- 24 Chicken caller
- 26 Greek peak
- 28 Operative
- 32 Turf-covered land
- 36 Sports channel's letters
- 38 Donkey's lament
- 39 Beer choice
- 41 Put back
- 43 Tel. Jaffa
- 44 River in Tuscany
- 46 Searches for

DOWN

- 14 Actress Samms
- 15 Beatles' drummer
- 16 Enticement
- 17 Principle of good conduct
- 18 50-50 odds
- 19 Fang
- 20 Pinball miscue
- 21 Parker's nickname
- 22 Go along with
- 23 Singer McEntire
- 24 Needle case
- 25 Touches down
- 26 Mineral veins
- 27 "Auld Lang ___"
- 28 son
- 29 Coetzer and Plummer
- 30 Country east of Fiji
- 31 Radon and neon
- 32 Possible to mend
- 33 Part of U.A.E.
- 34 Male parent
- 35 Equal
- 36 Valerie Harper sitcom
- 37 Old Norse character
- 38 Prophet
- 39 Highland hillside
- 40 Insufficiency
- 41 "Lyn" ___
- 42 Eagles hit
- 43 Meat in a can
- 44 Hand signal
- 45 Touched down
- 46 Called on again
- 47 School dance
- 48 "Doctor Zhivago" character
- 49 Holy hymn

- 45 Having more chutzpah
- 48 Engraves
- 50 Some rays
- 52 Backward: pref.
- 54 Ear parts
- 55 Solidarity
- 56 Second viewing
- 57 Singer Gorme
- 58 And others: Lat
- 59 Roman robe
- 60 Car tooter
- 62 German river

Today's Solution



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

- 7:00 p.m. - 12:30 a.m. - **MIT Anime Club Showing.** 7:00 *Slayers Next 14 - 16* (subtitled); 8:45 *The Heroic Legend of Arislan: Parts 1 and 2*; 11:00 *Yu Yu Hakusho 7 - 8* (subtitled). Free! Stop by anytime and bring your friends. E51-335. Sponsor: Anime Club, MIT.
- 8:00 p.m. - **Guest Artist Concert: The Miro String Quartet.** Schubert's Quartet in E-flat Major, Op. 125, No. 1; Shostakovich's Quartet No. 14 in F-sharp Major, Op. 142; Mendelssohn's Quartet in F Minor, Op. 80. Admission 0. Kresge Auditorium. Sponsor: Office of the Arts.
- Uses of Low Power Radar-Like Sensors for Remote Measurements of Material Interface Vibrations** — Dr. John Holzrichter, Laboratory Science and Technology Office, Lawrence Livermore Nat. Lab. Sponsored by ME Seminar Series. 3:00 pm (1 hour), Rm 3-270. Refreshments to follow in room 1-114. More info: Call Beth Henson at 258-5807. Email <bhenson@mit.edu>.
- Design of Low Aspect Ratio Stellarator Experiments** — Hutch Neilson, Princeton Plasma Physics Laboratory. Plasma Science and Fusion Center Seminar Series. 4:00 pm (1 hour), Rm NW17-218. Refreshments served at 3:45 pm. More info: Call Paul Rivenberg at 253-8101. Email <rivenberg@psfc.mit.edu> <<http://www.pfc.mit.edu/>>
- Ramsey-type questions in geometric settings** — Janos Pach, Courant Institute of N.Y. and Hungarian Academy of Sciences, Budapest. Sponsored by Combinatorics Seminar with Department of Mathematics. 4:15 pm (1 hour), 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>>.

Sunday's Events

- Moonlight Sails & BBQ's** — MIT Nautical Association. Moonlight Sails & BBQ's. 5:00 pm, 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. Email <meking@mit.edu>. <<http://web.mit.edu/mit-sailing/www/>>.
- 4:00 p.m. - **Nityashir, South Indian vocalist.** Kalpana Venkat, violin and I. Sivakumar, mridangam. Presented by MITHAS (MIT Heritage of

South Asia). General admission: \$15, \$12—students & seniors. Admission 12.00. Wong Auditorium. Sponsor: Office of the Arts.

Monday's Events

- 3:30 - 5:00 p.m. - **Presentation: Unified Student Proposal for the Residence System.** The Strategic Advisory Committee to the Chancellor will present its final report on the MIT residence system. 4-237. Sponsor: Undergraduate Association.
- 8:00 p.m. - **UA Cabinet Meeting.** Discuss the Institute's important issues and make effective change. W20-400. Sponsor: Undergraduate Association.
- New results on gravity waves and mean flows, with implications for atmospheric general circulation models** — Oliver Buhler, University of St Andrews. Sponsored by MIT Atmospheric Science Seminars. 4:00 pm, Rm 54-915. More info: Call at 253-0136. Email <ddlucas@mit.edu>. <www-paoc.mit.edu/MASSseries.html>.
- The Upscale Turbulent Cascade: Shear Layers, Cyclones and Gas Giant** — Professor W.R. Peltier, Department of Physics, University of Toronto. Sponsored by Applied Mathematics Colloquium with Department of Mathematics. 4:15 pm (1 hour), Rm 2-105. Refreshments will be served at 3:45 PM in Room 2-349. More info: Call Professor Michael Brenner at (617)253-3661. Email <brenner@math.mit.edu>. <<http://www-math.mit.edu/amc/fall99>>

Tuesday's Events

- 7:00 p.m. - **"Couple in Cage" and "Borderstasis: The Many Lives of an End-of-the-Century Bandit".** Films shown in conjunction with residency by Abramowitz Memorial Lecturer Guillermo Gómez-Peña and Roberto Sifuentes. Admission 0. Rm 2-105. Sponsor: Office of the Arts.
- 7:30 - 10:30 p.m. - **Contra Dance for All.** Contra Dance for All with live music, refreshments. No experience or partner necessary! In Lobdell Dining Hall (W20 second floor) 7:30-10:30 pm. Admission 0. Lobdell Dining Hall, W20. Sponsor: Folk Dance Club.
- 7:30 - 9:00 p.m. - **Chi Alpha Campus Meeting.** Chi Alpha Christian Fellowship will be sponsoring a series on the book of Revelation at our weekly meeting. There will be time for worship and fellowship as we study the Bible. PDR 3, Student Center. Sponsor: Chi Alpha Christian Fellowship.

Akamai Technologies To Go Public in Coming Weeks

By David S. Bailey

STAFF REPORTER

MIT web-startup Akamai Technologies will soon issue its initial offering of public stock, potentially raking in a healthy profit for MIT students involved.

An unnamed source close to the company said that it is probable Akamai will officially go public late next week.

According to documents filed with the Securities and Exchange Commission, Akamai will be selling 8 million shares of common stock in its initial public offering at an estimated price of \$16-\$18 per

share.

Underwriters for Akamai's IPO include Morgan Stanley, Dean Witter & Co. Incorporated; Donaldson, Lufkin & Jenrette Securities Corporation; Salomon, Smith, Barney, Inc.; and Thomas Weisel Partners LLC.

Company has roots at MIT

Research leading to the development of technologies used by the company began in 1995 in the MIT Laboratory for Computer Science:

The company works in the area of web-content delivery by placing servers around the world to allow

users download content locally and decrease web traffic. Clients include clients Apple, Yahoo, and *The New York Times*, and LookSmart.

Work on the project continued through the LCS Algorithms Group, created in 1996 and headed by Professor of Mathematics F. Thomson Leighton of the MIT Department of Applied Mathematics, and consisted mainly of the same group of researchers.

"We worked on it as a research project for about two years... For his MEng thesis on this topic, Daniel M. Lewin G won the [masters prize]," Leighton said.

In 1998, Leighton and his coworkers entered the MIT \$50K Entrepreneurship Competition, where they advanced to the final round. Akamai became incorporated in August of 1998, founded by Leighton and Lewin, along with other MIT scientists and business professionals. Leighton is now the Chief Scientist of Akamai Technologies.

"We have a lot of MIT people here. Over a dozen

employees got degrees at last year's graduation," Leighton said. "A large fraction of the Research and Development department is MIT." Akamai currently employs about 275 people, and there are significantly more MIT graduates than undergraduates.

"It's definitely an exciting

experience," said Andrew D. Berkheimer, a junior in Course 6 who has been working at Akamai since June of this year. "It's a good addition to taking classes. There's also a lot more responsibility here, more than you'd have as some intern at another company," Berkheimer said.



CHRIS MCENIRY—THE TECH

Tom Leighton '81, professor of mathematics and chief scientist of Akamai Technologies.

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MIT Garners Praise For Traffic Analysis

Dorm Plans, from Page 1

of the building as examples.

"The Pocket Park makes the connection north [toward Cambridge] and provides an amenity to the community," said Bacow. "The building has no back or front" but is equally appealing on all sides, said Bacow.

"We've tried not to create a wall on Vassar Street. This is a porous building," Bacow said.

Simha emphasized the building's context in Cambridge. "The context is a seventeen-year process, in the evolution of Cambridgeport from an industrial zone to an emerging residential area."

Tim Bade, who represented the architectural firm Stephen Holl and Associates, also emphasized the community-friendly features of the dormitory. "We see this as the first step in the development of the streetscape," he said.

Bade described the dining hall which will "double as a sidewalk cafe. This is a safe feature, especially at night," he said.

The presentation, which proceeded at a fast clip at the urging of the board, closed with a discussion of traffic impact.

Community gives tepid response

After the presentation, several community members voiced their opinions. Although most found the modern design aesthetically displeasing, their comments were generally positive.

James Williamson, a candidate for Cambridge City Council, supported the idea of a dormitory but suggested that the Vassar Street building be used to house graduate students rather than undergraduates.

"MIT students are very concerned about the decision to house all freshmen on campus by 2001," a move which could, said Williamson, cause

10-15 percent of FSILGs to close.

Citing conversations with another City Council candidate Erik Snowberg '99 and other unnamed students, Williamson said that such a decline in FSILGs could "force about 300 students to look for housing elsewhere in Cambridge," thus nullifying the positive effects of the new dormitory.

Traffic studies applauded

MIT's traffic analysis garnered much praise. Cambridge resident Steve Keiser praised the "innovative computer model" used by MIT and said it is "newer, better, and different" than the models used by other organizations. Another resident Scott Horowitz commended MIT for performing the traffic analysis process "even for a dormitory," contrasting MIT's cooperation with Harvard's recent claims that it should be exempt from filing traffic impact reports for dormitory projects.

Vincent Dixon, another candidate for Cambridge City Council, also supports the project. "It's clear MIT is respecting neighborhoods, and we should give them credit for that," he said, noting that every student housed on campus reduces competition in the tight Cambridge housing market. However, "there really should be a council of some sort to work with MIT to develop long term plans" which affect Cambridge, Dixon said.

Horowitz expressed a similar sentiment, and also said, "I hope that the aluminum siding on this building is treated in such a way that it will not become an eyesore" when viewed from Cambridgeport at sunset.

The Planning Board will now review the information gathered at the meeting as well as further written submissions from the community, and will discuss the dormitory again perhaps as soon as their November 9 meeting.

Moderate Budget Hike Possible For Athletics Funding in Future

Sports Funding, from Page 1

changes in the Athletics Department to the transition from male-dominated sports to a more evenly balanced program. The Athletics budget is drawn from the Office of the Dean for Students and Undergraduate Education line item in MIT's budget.

"There has been a long history of increasing pressures on the Athletics Department for a wider range of sports," said Williams, a dean in ODSUE. This year, the Athletics Department created two new female varsity teams: ice hockey and indoor track.

While MIT in the past could afford to field every team that was desired, Williams stated that this is no longer financially possible.

"We offer more now, and we are proud of that, but we can't offer everything," said Williams. The Athletics Department, which along with the rest of the Office of the Dean of Students and Undergraduate Education (ODSUE) has been on a flat budget for several years, was forced to cut programs to add the new teams while not running over budget.

While the Athletics department has not received a budgetary increase in ten years, this is fiscally similar to the policy of the rest of MIT. "We are

treated the same as the rest of the Institute by and large," said Athletics Department Manager of Administration Richard L. Brewer.

In a year of flat budget, the non-administrative budget for a department does not increase. While personnel are given an annual raise which is relatively constant throughout the institute, the budget for materials and services stays the same as in the previous year.

"When there is a flat-budget directive, then we will adhere to that," said Brewer. In order to achieve that this year, the Athletics Department needed to reduce team sizes.

"The Institute has been level-budgeted since I arrived in 1995," said Williams. According to Williams, a given department of MIT will only receive a budgetary increase in the case of extenuating circumstances.

The Athletics Department's budget is also influenced by how much must be spent on capital investments. While some of that money comes from donations to the Institute, much of it must be drawn from the Athletics budget.

The recently installed omniturf field cost the Athletics Department \$1.6 million, reducing the available

capital for the rest of the department.

Although the Athletics Department's project to build a new athletics complex has been put on a somewhat delayed time line, Williams described the commitment from MIT towards building the new facility as "absolutely firm" and stated that it "has not wavered," despite financial constraints.

In response to an insufficient Athletic Department allocation by ODSUE, Chancellor Lawrence S. Bacow '72 supplemented the athletics department with a large portion of his own discretionary budget.

Williams does, however, recognize the need for additional funding for the Athletics Department. "We need to get a new funding model, one that is higher and very stable," Williams said.

However, Williams did state that the Athletics Department would only receive a moderate increase when it receives its increase. "We have to draw some limits somewhere," said Williams.

While Williams mentioned the 41 varsity sports which MIT offers, she noted that MIT's Athletic Department does not yield a profit. "Unlike other schools, we do not make money on our athletic investments," said Williams.



DASHA LYMAR—THE TECH

EECS Assistant Professor John Chapin commenced the Number 6 Club Lecture Series Tuesday with a discussion on the definition of life from a computer scientist's perspective.



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Dorm Will Remedy Housing Shortage

BU Dorm, from Page 1

which has been in effect for the last ten years, is to house all excess students in Howard Johnson hotels. As many as 200 students spend their fall term in a Howard Johnson's, Carleton said.

New dorm specifications

BU's new dorm, for which construction began last fall will cost \$80 million, which will mostly be

paid through loans and grants.

It will house 817 students — average-size for a BU dorm but considerably larger than the average MIT dorm. Students will occupy an east tower with 18 stories, a west tower with 15 stories, and a central tower with nine stories.

The new dorm will have four single rooms per suite. Each suite will contain a kitchen, a living/dining area, and two full bathrooms plus storage.

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IAP Contest Lets Students Design MIT of the Future

IAP, from Page 1

structure of various schools, the type of instruction students receive in the future, and the residence community, said Associate Dean Kirk D. Kolenbrander, who is planning the contest.

Kolenbrander said the design con-

test will try to duplicate the "positive experience of last IAP's residence system design contest in bringing faculty, staff, and students together." The logistics of the contest are currently being worked out, he said.

IAP 2000 will also feature a lecture demonstration series in which junior faculty and those involved in

interdisciplinary research will speak to and participate in forums with students about their research, said Assistant Professor David A. Mindell, chair of the IAP Planning Committee.

Van L. Chu '99, a staff member in the Office of Academic Services who is working with Mindell in the

forum project, said that there will be ten of these forums during IAP. "We're hoping to get younger faculty to talk about their interdisciplinary research, and that students can get to see the exciting new things coming in the future [and] have a chance to meet faculty," Chu said.

After each of the forums, students will also have the opportunity to go out to dinner with those faculty presenting their research, Chu said.

On Saturday, January 29, IAP will conclude with an Institute-wide ball as part of day-long party called the Millennial Institute Celebration, said Mindell. The celebration will occur on the 29th rather than earlier in the month in order to include as many students, faculty, and staff as possible, Mindell said.

In addition to the ball that day, it is expected that there will be music and performances and that the skating rink will be open, Chu said.

More Traditional Activities

About 45 activities have been entered through the web-based system so far, Friedman said.

Traditional and popular IAP activities include wine-tasting (open to only those of age) and glassblowing. For the second straight year, Leadershape will occur during IAP from Jan. 9 to Jan. 14. About 60 undergraduates typically participate, and applications are due today at 5 p.m., Kolenbrander said.

Charm School, which was reinstated last IAP after being discontinued for several years, will also happen, Friedman said.

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2. Direction of travel and length of Portal.
3. Exiting the portal into the Ripe Vessel.
4. It is crucial to enter the Ripe Vessel at the correct time.

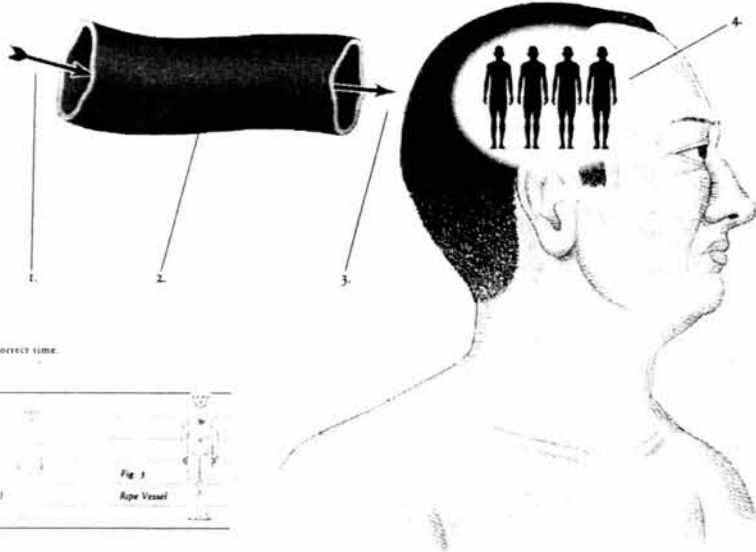


PLATE 1

The route of travel to the Ripe Vessels Humamus is through the portal tube. Figures 1-3 show the three important growth stages of the Vessels Humamus.

Now you can.

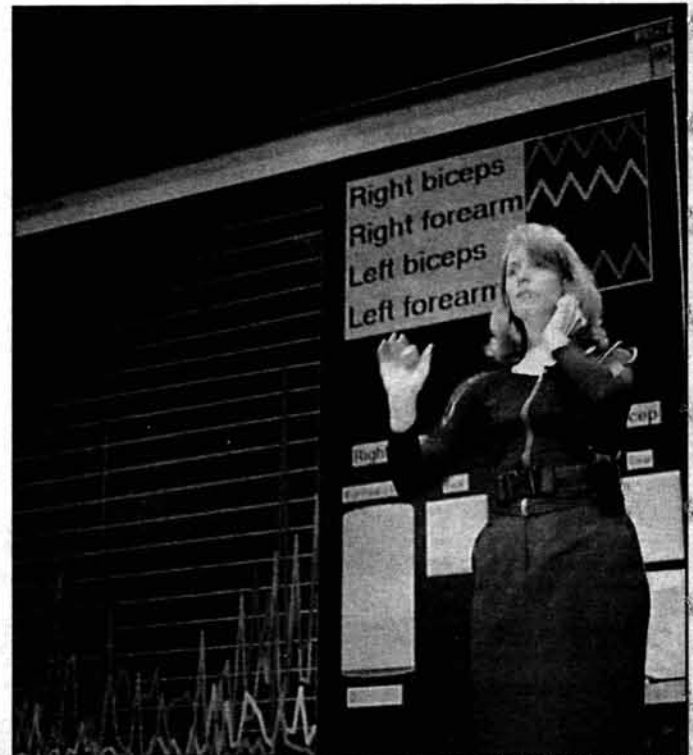
JOHN CUSACK CAMERON DIAZ CATHERINE KEENER

BEING JOHN MALKOVICH

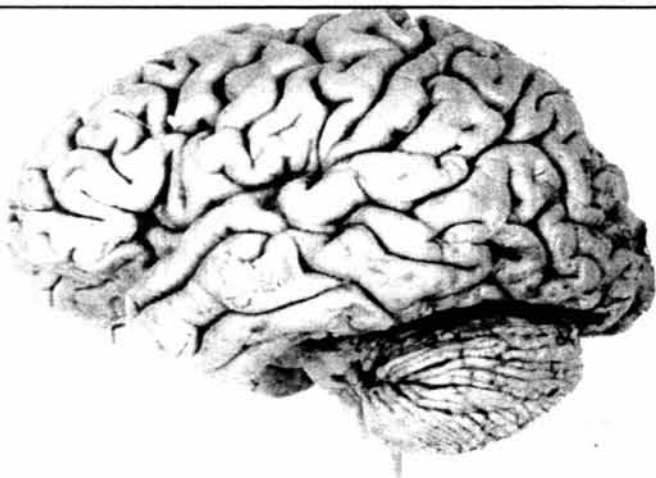
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Trumbull Courts MIT, Property Owners Vote

Trumbull, from Page 1

rent control and worked on behalf of the question nine effort which banned rent control statewide several years ago. He believes that "markets work" and that any regulation limiting rents disrupts market forces which allow for incentive to construct new housing and properly maintain existing housing. "Affordable is what people can afford," he said.

Trumbull is also courting the student vote on the affordable housing issue. Ugliest Manifestation on Campus winner Steven Jens '98 is helping to coordinate the Trumbull campaign at MIT which will appeal to the "idealistic crowd," he said.

Jens also thinks that Trumbull's pro-development stance will resonate with students. "Development generally will help students," Jens said.

Trumbull favors development

Trumbull said that he is "in favor of responsible development. While acknowledging that Cambridge does not have the same large urban character of Boston, Trumbull criticized the "romantic



David Trumbull

idea of supporting the local merchants." Citing a city sponsored survey which showed that residents prefer stores with the characteristics of the GAP and other larger chains, Trumbull said, "I don't see why officials should second guess people's preferences."

He cited East Cambridge as an area which could support more development.

Jens added that "development makes an area safer" and pointed to the improvements in the Kendall square area due to recent construction.

Trumbull emphasized the importance of MIT to Cambridge — "what would Cambridge be without colleges," he asked. Given his *laissez-faire* view of the housing market, Trumbull didn't stress MIT's need to construct new residences. "If MIT can't house its people, MIT has a problem," Trumbull also played down the importance of "in lieu of" tax agreements, comparing them to blackmail.

This election marks Trumbull's second run for city council. He works in government relations for a textile association and plans to work part-time if elected.

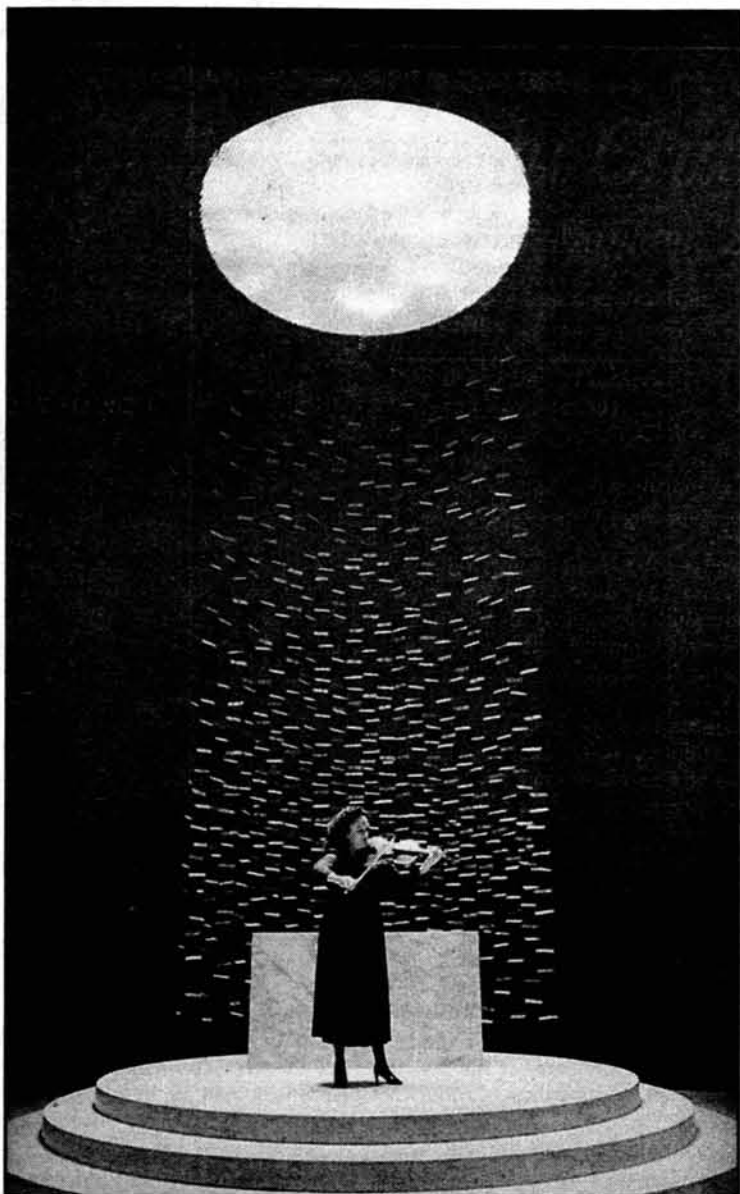
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SEPHIR HAMILTON—THE TECH

Violist Patrica McCarty performed J.S. Bach's Suites No. II and IV in the MIT's chapel Thursday. The MIT Thursday Noon Chapel Series hosted McCarthy, who currently teaches at the Longy School in Cambridge and at the Boston Conservatory. McCarthy has appears as a soloist with orchestras including the Detroit Symphony, the Houston Symphony, the Boston Pops, Orchester Der Beethovenhalle Bonne, l'Orchestre de la Suisse Romande, and the Kyoto Symphony.

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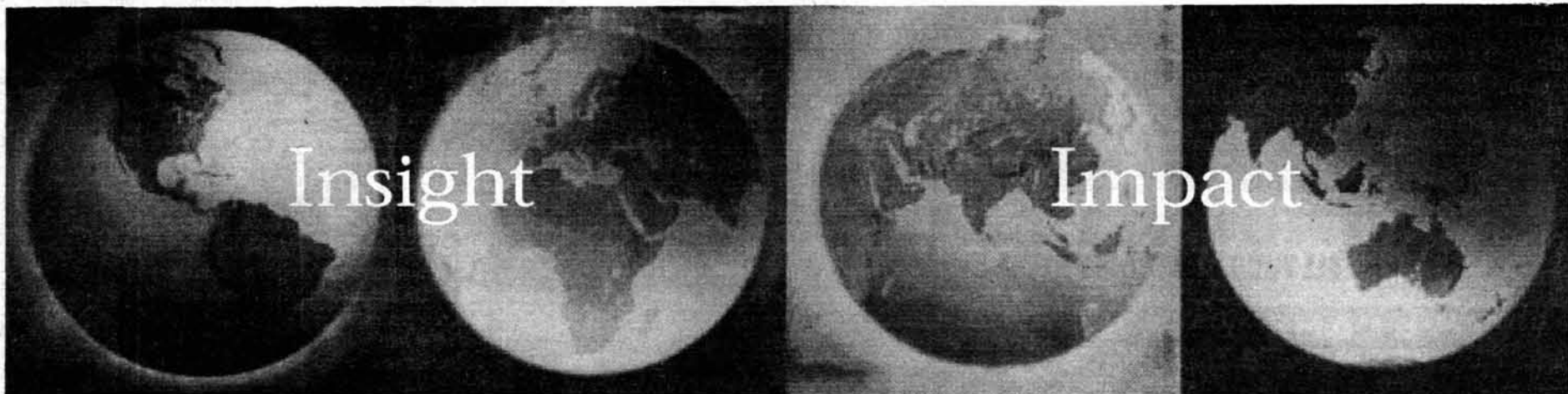
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Springfield Hands W. Volleyball Season's First Conference Loss

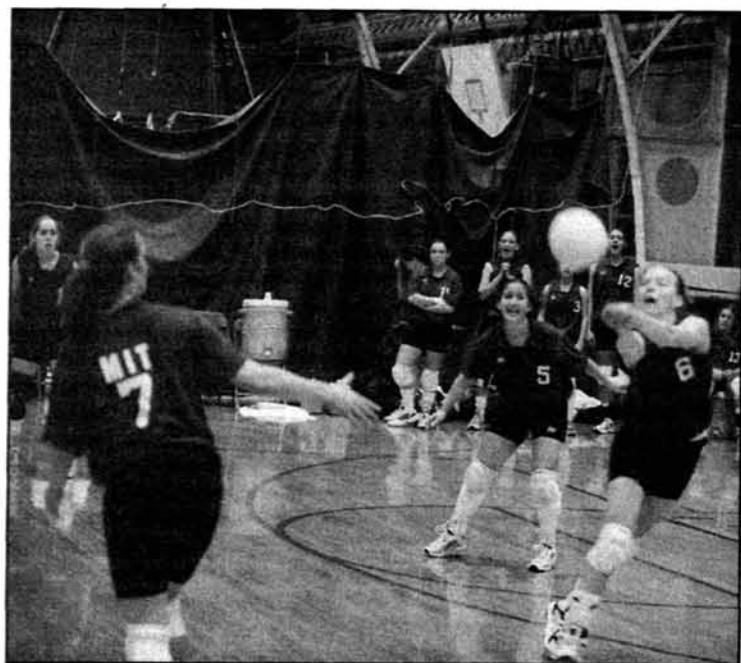
By Paul Dill
HEAD COACH

The women's volleyball team suffered their first conference loss of the year last week and won two matches to bring its conference record to 6-1 and overall record to 20-5. MIT also maintained its fourth place ranking in the New England regional poll.

After losing their first conference match of the season to third ranked Springfield College 0-3, the Engineers faced 8th ranked Brandeis University two days later and won a hard fought match that took over two hours to decide.

After splitting the first two games 15-12, 12-15, the Engineers seemed to take charge of the match winning the third game 15-9. In the fourth game, however, with the score tied at 12-12, Brandeis pulled away to win 15-12 and force a deciding fifth game. This game was a real nail biter as both teams had a few match points before the Engineers finally got the victory 20-18 to win the match 3-2. It was the outside hitting duo of Jill R. Margetts '00 with 20 kills, and Kathleen A. Dobson '03 with 18 kills who led the team offensively.

Meanwhile, the team tallied a total of 117 defensive digs with Barbara J. Schultze '02 and Parisa



STEFAN CARP—THE TECH

Kathy Dobson '03 makes a dig as her teammates cheer her on during Tuesday's match. The Engineers defeated Coast Guard Academy 3-1.

N. Habibi '02 leading the way with 21 digs each.

MIT holds on against USCG

This past Tuesday, the U.S. Coast Guard Academy came to town fresh off their win against a tough Wheaton team. The Engineers, however, were not impressed as they took the first

game easily 15-7. A bit of a let down in the second game allowed Coast Guard to take a hard fought game 17-15, before the Engineers regained control to take the next two games and the match 3-1 (15-7, 15-17, 15-9, 15-6). Setter Alarice Huang '00 dished out 53 assists as Margetts put away 25 of them for kills. Kelly A. Martens '03 also added 18 kills of her own while Shultze continued to dive and roll all over the floor to pick up balls and tally 21 digs.

The next home match for the Engineers is this Tuesday, October 26, at 7:00 p.m. against Wellesley College in Dupont Gymnasium. Wellesley is currently ranked first in New England and eleventh nationally.

Umm... Rams?

By Amir Mesarwi
SPORTS COLUMNIST

It's October and the Sox aren't in the World Series, so get over it and do something productive with your time, like watch football. Here are the picks (though if the last couple of weeks are indicative of anything, pick the opposite of what I say.)

Kansas City at Baltimore: Kansas City can't find a way to win on the road. Or can they? Baltimore could be the answer. *Edge:* Kansas City

Cincinnati at Indianapolis: The Colts are rolling in large part to Peyton Manning. Last I checked, Cincinnati was still in Ohio with that other team. *Edge:* Indianapolis

Cleveland at St. Louis: Umm... *Edge:* Rams

San Francisco at Minnesota: This will be a very fun game to watch with some of the best receivers ever to play the game battling it out. Who cares that they are a combined 5-7? It's a young season and I wouldn't count either out for the playoffs. Still, someone has to win, and the loser will have a tough time bouncing back. *Edge:* Minnesota

Washington at Dallas: Revenge? Nope. Washington lost a heart-breaker in the first week, but Dallas is still strong, despite losing a pair of games they should have won, against Philly and New York. Look for Emmitt Smith to bounce back. *Edge:* Dallas

Chicago at Tampa Bay: Trent Dilfer owns the Bears. The Bucs have the second best defense in the country. *Edge:* Tampa Bay

Detroit at Carolina: So I had this dream that Carolina won in San Francisco. Hmm. Look for them to upset Detroit at home. *Edge:* Carolina

Denver at New England: Mike Shanahan is 5-0 against the Patriots, but that was with Terrell Davis and John Elway. Rookie Olandis Gary has been a pleasant surprise filling in for Davis, but the Broncos won't be able to stop the top passing offense in the country. *Edge:* New England

Philadelphia at Miami: Kudos to the Eagles for a couple of wins in a row, but they won't get more than a couple of more this year, and one of those won't come against Miami. *Edge:* Miami

New Orleans at NY Giants: New Orleans has struggled with injuries, losing their last four. The Giants keep putting up big defensive efforts, stopping the mighty Cowboys last week on Monday night. *Edge:* Giants

Green Bay at San Diego: The Packers lost an embarrassing one to the Broncos last week, but look for them to rebound. This will be a classic matchup with a strong defensive team led by Junior Seau facing one of the best quarterbacks of all time in Brett Favre. Wow. *Edge:* San Diego

Buffalo at Seattle: Ooh. Doug Flutie vs. Jon Kitna. Who would have thought these teams would both be over .500 in week seven? The Bills have been very good, the Seahawks very lucky. Look for the Bills to take one on the road. *Edge:* Buffalo

NY Jets at Oakland: In this week's edition of "who cares," the pathetic Jets — led by their fearless leader Rick Mirer (54.8 QB rating) — face Tim Brown and the rest of the Raiders. The Raiders have been winning, but no one has noticed. *Edge:* Oakland

Atlanta at Pittsburgh: Pro: Bettis finally rushed for 100 yards in a game. Con: It was against the Bengals. Pro: The Steelers play the Falcons this week which is just as good. *Edge:* Pittsburgh (I'm tired of picking them just because they play lousy teams every week...)

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Record Turnout for JIFC Elections

The annual Junior Interfraternity Council elections were held this year on Wednesday, October 13th. The elections took place earlier this year to take advantage of the energy and enthusiasm generated by the New Member Retreat.

The number of candidates running for the six positions this year far exceeded the numbers from previous years, exhibiting the high involvement of the freshmen class. Twenty-six houses sent a total of thirty-nine candidates to fill the JIFC offices.

In past years, JIFC has concentrated most of its efforts in organizing a Hunger Hike. This community service event allows students at MIT to help out the homeless by providing them free lunch. Last year, 200 students from the MIT community came together to make over 500 bag lunches, and delivered them to the homeless around the area.

Bryan Schmid, a freshman from Delta Tau Delta, was elected President from a field of nine candidates. Schmid ran on a platform to make the IFC into a "strong group that can be viewed positively by those outside the system," and also felt that it was "important for JIFC to fulfill their potential." One of the ways he plans on achieving this is by creating a "new version of Hunger Hike which would be more of a continuous thing" rather than a one-time event.

Other JIFC officers elected were Joanne Chang of Alpha Chi Omega as Vice-President, Adam Goldin of Lambda Chi Alpha as Treasurer, Alex Patino of Sigma Phi Epsilon as Secretary, Libby Wayman of Alpha Phi as Community Relations Chair and Colin Galbraith of Delta Upsilon as Public Relations Chair.

Upcoming Events

Legal Liability Seminar

October 27, 54-100

Mandatory for house officers. An in-depth look at legal rights and consequences.

Public Relations Workshop

November 10, 1-390

An interactive session on the how-to's of managing public relations.

FSILG Leaders Commit to Unity at First Annual Presidents Retreat

Presidents and other upperclassmen from fraternities, sororities, and independent living groups spent the weekend of September 24-26 getting to know each other and planning the future of the Interfraternity Council at an IMPACT leadership retreat in New Hampshire. IMPACT, a leadership program for current presidents and future house officers, was designed by the National Interfraternity Conference. The 56 upperclassmen committed to five major action items: to be full participants in Domicoming 1999; to hold an event with one or two other houses in the next month; to register members to vote in local elections; to invite faculty and administrators to community-building dinners; and to work together to plan Rush for 2001 and beyond.

The IFC New Member Retreat was held concurrently with the IFC IMPACT retreat. The freshmen developed their leadership skills through team-building exercises and worked to foster unity by breaking down stereotypes about different houses. "This past weekend, I believe both visions were achieved. The freshmen had a great time with the fun activities and leadership programs that we planned. I hope they will carry their passions and enthusiasm with them during their time at MIT," reports Quintin Louie, IFC Freshmen Relations Committee Co-Chair.

The IFC IMPACT leadership retreat was the first one of its kind to be held for the MIT FSILG community. IMPACT is a campus leadership program designed to foster improved relationships and develop agendas of change for the future.

SAC Leaves Planning of Rush to IFC

Report also recommends additional transition funding for FSILGs

Since the beginning of the fall semester, the Strategic Advisory Committee to the Chancellor (SAC), in conjunction with the UA, GSC, IFC, and DormCon, has been developing a Unified Student Proposal for the MIT Residence System. The SAC report has a broader scope than the RSSC report, and addresses key issues in a manner more concurrent with the IFC's goals. Most of the recommendations relevant to the future of the FSILG system are included in the Orientation and Residence Selection section of the SAC report.

The SAC, much like the RSSC, is intentionally ambiguous about the exact timing and structure of FSILG recruitment periods. The group felt it best to continue to leave the planning and execution of recruitment to the IFC. However, the RSSC report restricts FSILGs from issuing bids until after November 1st. The SAC report does not include this restriction, but states that the IFC should avoid active recruitment during orientation and should work with the administration to ensure that recruitment periods fit well within the schedule, whenever they take place. The SAC expects that the IFC will choose to hold rush in late September, perhaps over the course of a few weekends.

The SAC report also addresses transition support for FSILGs. It recommends that MIT grant each FSILG house corporation money equivalent to the housebills of 35% of the capacity of the FSILG in the fall of 2001. Over the course of five years, this subsidy would shrink down to zero. This high amount of support is intended to allow FSILGs to adapt to the new residence system and to invest in necessary programmatic and capital improvements. Finally, it recommends that the institute aid in the purchase of houses for interested sororities who are currently unhoused, and to support houses who choose to move closer to campus.

These recommendations, though quite relevant to the IFC, are but a small part of the SAC report. The full report is available online at (<http://web.mit.edu/advise/www>). The SAC continues to seek feedback on any section of the report from the community, and ways of commenting on the report are detailed on the web page as well.

Will Dichtel
IFC 2001 Transition Committee Chair

IFC Elections to be held December 1st

The annual elections for the executive officers of the IFC will take place at the last Presidents Council of the fall term in 1-390 on December 1, 1999. Candidates may be nominated by an FSILG President until the election for that office begins; individuals can run for more than one office. Installation of new officers takes place at the first Presidents Council in February. Please direct questions to the current holder of the office or look at the IFC Constitution at:

<http://web.mit.edu/ifc/www/constitution.html>

A short description of each office follows:

President

- represent the IFC to the MIT administration, faculty, and alumni, as well as outside groups
- preside over Presidents Council and establishes ad hoc committees when necessary

Vice President of Activity Organization

- oversee the IFC committees for New Member Relations, Greek Week, Philanthropy, and IFC Member Relations
- co-preside over the IFC Cabinet (composed of the chairs of the IFC standing committees)



Members of the IFC Executive Committee

Participants left the program with new skills, increased motivation, and a strong sense of interfraternalism. "The IFC leadership retreat was the first opportunity that I had to truly get to know the leaders of the other houses and to establish relationships which will be vital in the coming years," noted Grant Follansbee, President of Lambda Chi Alpha.

The results of both retreats was dramatically demonstrated at Delta Tau Delta the following Monday at the final feedback forum for the Residence System Steering Committee. "Every seat in our dining room, all space on the floor, and standing room all the way out of the room was full," said DTD president Will Dichtel. Michael Trupiano, IFC President, noted that "The goal of the IFC Leadership Retreat was to inspire freshmen and campus leaders to take charge of their communities. Early indicators, such as student turnout at the RSSC Feedback Forum at Delta Tau Delta, point to increasing involvement. I am excited for the future of the Interfraternity Council and the IMPACT it will have on the entire campus."

Vice President of Internal Affairs

- oversee the IFC committees for Publicity, JIFC, Campus Relations, and Scholarship
- co-preside over the IFC Cabinet
- coordinate the application and selection processes for all annual IFC awards

Treasurer

- Submit the annual IFC Budget for approval at the first Presidents Council meeting in February
- Bill and collect dues from member FSILGs in a timely and efficient manner
- Keep accurate and detailed records of the financial status of the IFC
- Acts as a resource for FSILGs in financial matters

Secretary

- Keep accurate minutes of the Presidents Council and Executive Committee meetings
- Handle all records and correspondence of the IFC

Judicial Committee Chair

- Coordinate the IFC's judicial and disciplinary actions
- Enforce all regulations of the IFC
- Be a non-voting member of the Executive Committee

Public Relations Chair

- Organize the IFC newsletter
- Publicize IFC-sponsored events
- Act as a resource for FSILGs in public relations

Community Relations Chair

- Organize and chair regular meetings of the Community Relations Committee
- Coordinate IFC-wide community relations and service projects
- Oversee with the Judicial Committee Chair any community service hours assigned by the Judicial Committee
- Act as a liaison with the MIT Alumni Association
- Coordinate IFC-wide alumni relations programs and projects

Risk Manager

- Preside over meetings of the FSILG Social Chairs
- Keep FSILG Social Chairs informed of new developments in social event liability
- Act as a resource to assist FSILG Risk Managers

1999-2000 IFC Executive Officers

President:	Michael Trupiano
VP of Activity Organization:	Ben Chun
VP of Internal Affairs:	Amir Mesarwi
Treasurer:	Mimi Su
Secretary:	Ryan Barrows
Community Relations Chair:	Joseph Cirello
Judicial Committee Chair:	Patrick Kremer
Public Relations Chair:	Vicki Lin
Membership Recruitment Chair:	Ranjit Survanshi
Risk Management Chair:	Damien Brosnan
Panhellenic President:	Lisa Mittelstaedt
Women's Conference Chair:	Sarah Gensheimer

Football Looks Past Big Loss to Bridgewater State

By Alvan Eric P. Loreto

The Ringling Brothers' Barnum and Bailey Circus rolled into Boston last week, but "The Greatest Show on Earth" couldn't quite compare to last Saturday's Andy Maciaone Show at Steinbrenner Field.

Maciaone, a junior wide receiver for Bridgewater State, dazzled the partisan crowd of 850 with 184 receiving yards on an array of aerobic plays to help the Bears (6-0, 4-0 NEFC Red) remain undefeated in 1999 with a 54-21 victory

over the MIT Beavers. The home loss dropped MIT to 2-4 (1-3 NEFC Blue) while running BSC's winning streak to 11 games dating back to last season.

Bear Quarterback Dan Maurer played a sensational co-starring role, throwing for 268 yards and rushing for three touchdowns. Maurer also threw three TD passes, all of which ended up in the hands of his star target Maciaone. The 1997 NEFC Rookie of the Year, Maciaone showcased all of the gifts — jumping ability, speed, and elusive quickness — that have made him the top receiver in the NEFC

for the past two years.

After a 15-yard TD run by Enrique J. Villavicencio '00 gave MIT a 14-7 lead in the first quarter, Maciaone went to work on a solid but overmatched Beaver secondary. With 8:07 in the second quarter, Maciaone beat Beaver cornerback Alvan P. Loreto '01 on a fade route for a 20-yard touchdown to help BSC draw even. Despite perfect step-for-step coverage by Loreto, Maciaone skied over his defender to take away a sure interception, boosting his teammates' morale and opening the floodgates for the most potent offense in the conference.

MIT loses early lead permanently

A 2-yard TD run by Maurer on the next Bridgewater drive gave the Bears the lead for good. Then Maciaone struck again immediately after the next MIT drive, which ended in a punt. Aided by a blown MIT coverage, Maciaone used his 4.4s 40-yard-dash speed to catch a deep post pattern in full stride and outrace cornerback Kevin R. Richardson '01 to the end zone for a 60-yard touchdown. The quick score, which came a minute before the half, took the wind out of the Beaver sails and ensured that BSC would not come out as sluggishly after halftime as they had at the opening of the game.

The Bears rolled in the second half, outscoring MIT 27-7, and Maciaone picked up right where he left off. At 7:31 in the third quarter, Maciaone stepped back to catch a quick screen from Maurer, shook cornerback Angus Huang '00 on a beautiful spin move, then tiptoed down the sideline behind two excellent blocks for a 36-yard touchdown. This last athletic feat capped a stellar day for the standout receiver in which he averaged a stupendous 26.3 yards per catch.

Yet despite the 33-point loss, the young MIT team gave its fans several reasons to be excited for the remaining four weeks of the season. The Beaver offense showed its ability to run the ball on the conference's premiere team. Villavicencio showed his knack for scoring by finding the end zone three times (2 TD, 1 extra point), and Maik C. Flanagan G rushed for 89 yards on 16 carries, a 5.6-yard average.

And although the Beaver defense could not contain Maciaone, it executed its game plan of slowing dangerous BSC running back Seto Berry. Berry, the second-leading rusher in the NEFC, finished with 83 yards on the ground, only the second time this season he has been held under 100 yards.

Finally, the MIT special teams units played another solid game. The kick return teams showed marked improvement, and for the third time this year the Beavers defensive special teams put points on the board. Richardson's punt block in the first quarter was returned 40 yards for a touchdown by Sean Brennan '00.

Although Brennan's uncontested leaping headfirst dive into the end zone at the end of the play cost MIT a 15-yard unsportsmanlike conduct penalty, his action epitomized the enthusiasm, boldness, and confidence of a tough and steadily

improving Beaver football squad as it heads into the homestretch of its season.

Nichols college next for beavers

MIT's next foe is Nichols College (4-1, 3-1 NEFC Blue), which is enjoying a solid season under first-year coach Bill Carven. The Bison have returned 17 starters from last year's 5-5 squad and are coming off a solid victory last week over UMass-Dartmouth.

The story this year for Nichols has been their defense, which is at or near the top of the conference in every team category. In five games the Bison defense has surrendered a total of 34 points, an average of 6.8 points per game. The defense is led in the middle by senior linebacker Chris Burun. Burun, a team captain, leads the team in tackles with 45. Big defensive lineman Myles Fayle, is an excellent athlete up front (41 tackles, 5 sacks), and cornerbacks Courtenay Jackson and Lavar Gary (3 INT each) make it tough for an opposing offense to go to the air.

Running back Matt Fox, last year's NEFC Offensive Rookie of the Year, leads the run-oriented Bison offense. Fox, who rushed for 1,157 yards as a freshman, has continued his solid ways this year. The line Fox runs behind is big but slow but, keeping with tradition the Nichols passing attack is above par. The Bison go to the air often in second- and third-down situations, finding decent receivers David Higgs and Nick Parker. Unfortunately, the biggest question mark this year is at quarterback, where Adam Perry and Nate Stawiecki have been dueling for time.

Many unknowns remain

Cold, wet weather is expected for Saturday's Beaver home game, which will aid MIT in its quest for its third victory. The MIT run defense has gotten better over the past two weeks, and its ability to bottle up Fox and force Nichols to the air will determine the outcome of the game. Despite their excellent record, the Bison have not yet played a team on the same talent level as themselves until this week. It will be interesting to see how Skordal, who is recovering from an elbow injury, and the MIT option attack fare against a good but untested Nichols defense.

Beaver Injury Report: OLB John Boyer, shoulder, out 2-3 weeks; WR Charles Toye, knee, out 2-3 weeks; OL Alex DeNeui, knee, out 2-3 weeks.

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Head of the Charles Race This Weekend

By Brian Kelleher Richter

The 34th running of Head of the Charles Regatta — the world's largest rowing event — occurs this weekend, October 23 and 24, right in MIT's front yard. Over 5,500 oarsmen and 300,000 spectators from all over the world will commence on the banks of the Charles. The 3 mile course runs from the Boston University Bridge upstream towards Harvard University finishing just before Northeastern University's boathouse.

Being a head-style race, crews start one after another, on short time intervals and race against the clock for the fastest time. The Charles River course presents a particular challenge to coxswains (who steer the boats) and crews alike, as the river has a number of bends and bridges with arches so narrow they can fit only one boat. As a result, it is not rare to see the clashing of oars or boats colliding with bridge abutments or each other.

Whom to watch

The regatta features all types of rowers from club enthusiasts, who race on Saturday, to the world's most competitive rowers, who race Sunday afternoon in Championship category events.

The premier event, the Men's Championship Eight, starts Sunday at 4:05 and features the World Champion United States National Team, the Canadian National Team, as well as top international teams from Germany, England and the Netherlands and the fastest Division I crews in the country including boats from Princeton, Harvard and Yale Universities. MIT's top Varsity Heavyweight Eight—Amanda Y. Yang '02 (cox), Christopher J. Penny '01 (stroke), Brian K. Richter '02, Eugene Weinstein '00, Mark H. Jhon '01, Andrew D. Copeland '01, Andrew A. Lamb '02, Igor L. Belakovskiy '01, Mehlan L. Parker

Women's Soccer Readies For Conference Playoffs

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year tradition, the game went into overtime.

MIT pulls out overtime win

MIT held its ground and capitalized on a Mt. Holyoke foul. Rebecca E. Clinton '03 placed a high shot to the back of the net to win the game for the Lady Engineers. Yang again had key saves in recording another shutout in goal.

It was a great way to finish the last home game of the season. But perhaps the most exciting game of the last week was MIT's Tuesday nightcap at WPI, on their turf field. Emotions were high on both sides, because the winner would get into the conference playoffs automatically, while the loser would have to compete in a play-in early next week. MIT continued their controlled game and dominated on the ground during the first 20 minutes of the game.

Then WPI broke through the defense with a goal in the 23rd minute. MIT responded quickly, capitalizing on the many corners kicks yielded by WPI. In the 26th minute, Shalini Agarwal '01 took the corner, sending it in to Yi Xie '02 on the near post, who flicked it on to Clinton, who headed it again to Griffin, who finished the play by placing the ball in the back of the net.

However, the MIT defense was caught again by WPI's long air balls. WPI freshman Susie Mendengall broke through twice to conclude the scoring for the first half.

'01 (bow) — will race these crews along with its league rivals including Columbia, Cornell, and Boston Universities. MIT's goal is to finish ahead of key league opponents.

Another event featuring the world's finest athletes is the men's Championship Single which runs just minutes before the eights race. Rowers who represent the National Teams for over ten countries compete in this event. The co-MVP of last year's varsity heavyweight team, Michael Perry '99, will race in this event. Two summers ago Perry rowed on the United States under 23 National Team in Greece; last summer he won the Club Single Event at the American Rowing Championships.

Other MIT Boats to watch are the men's Youth Eight, men's Lightweight Eight, and women's Lightweight Eight. The Youth Eight races at 10:00 a.m. on Sunday and features eight of the experienced freshmen rowers MIT has this year; the boat is the fastest mix of heavyweight and lightweight freshmen. The Varsity Lightweight, which race at 2:18 p.m. on Sunday, should also prove to be a fast boat as they also gun for league foes. The women's Lightweight Eight races at 2:28 p.m. on Sunday.

Where to watch

The best place to watch the racing action from is on the Anderson Bridge, which spans the river between Harvard's Weld and Newell boathouses. The Anderson Bridge is a short walk from the Harvard T-stop on the Red Line.

The Anderson Bridge represents a key point in the course as it is more than halfway through the course and within site of oft-treacherous Weeks Footbridge turn, the most frequent place for collisions.

There should be a contingent of MIT fans, including students, parents, and alumni from over the years, on the upstream side of the Anderson Bridge cheering on Beaver Crews.

Down 3-1 at half, the MIT Engineers took the break to regroup and refocus on their game, and the meaning of the game. A loss would mean a rematch with Mt Holyoke, a win would get MIT past the play-in game. The heart of the MIT Engineers showed through in the second half.

A little under 20 minutes into the half, Griffin scorched the back of the net on a feed from Jennifer M. Fiumara '02. With the score 3-2 in WPI's favor, play continued back and forth as both Engineer teams fought for the win. Then, in the 81st minute, Sarah K. Perlmutter '02, blasted another shot at the goal, one which the diving WPI keeper could not stop. Perlmutter was assisted by Mendelowitz.

With the scored tied 3-3, with less than 10 minutes to play, it looked like another overtime for the Engineers. However, MIT had other plans. Just a minute after the tying goal, Yi Xie '02 fed Theresa Burianek '99 a through ball towards the right side of the goal. Burianek shot around the WPI keeper to the opposite side of the goal, securing an MIT lead. MIT maintained its lead for the remaining eight minutes and captured another conference victory.

MIT is now 7-7-1 on the season. The Lady Engineers play their final regular season game Saturday at Wellesley at 1:00 p.m. MIT will play in the first round of conference playoffs next Thursday. Their opponent will be determined by the results of this weekend's games.

Polo Places Second at Easterns

By Ming-Tai Huh

ASSOCIATE SPORTS EDITOR

The MIT water polo team traveled to Kings Point, NY last weekend for the Division Three Eastern Championships. MIT rolled over its first two opponents, using the matches to give the bench some playing time and work out defensive problems, but the Engineers eventually lost a close championship game to Johns Hopkins University.

Having the second seed ranking, only the third game against last year's champs would be a challenge. So far this year, MIT has had some trouble with finishing games. A lackluster record of (7-9) can show this tendency. However, of those six or seven losses, MIT had lost by two goals when heading into the last quarter tied or ahead with its opponents. At this tournament, however, they came to win despite the year's let-downs.

Embarking early Saturday morning, the Engineers made their way to Long Island. Just five hours later they started their first tournament game against Grove City College. The game was pretty much over before it began — this was little more than a warm-up for MIT. In the first quarter, MIT pulled ahead with a lead of 8-2. Stefan K. Bewley '01 led the team's offensive assault by assisting all eight goals.

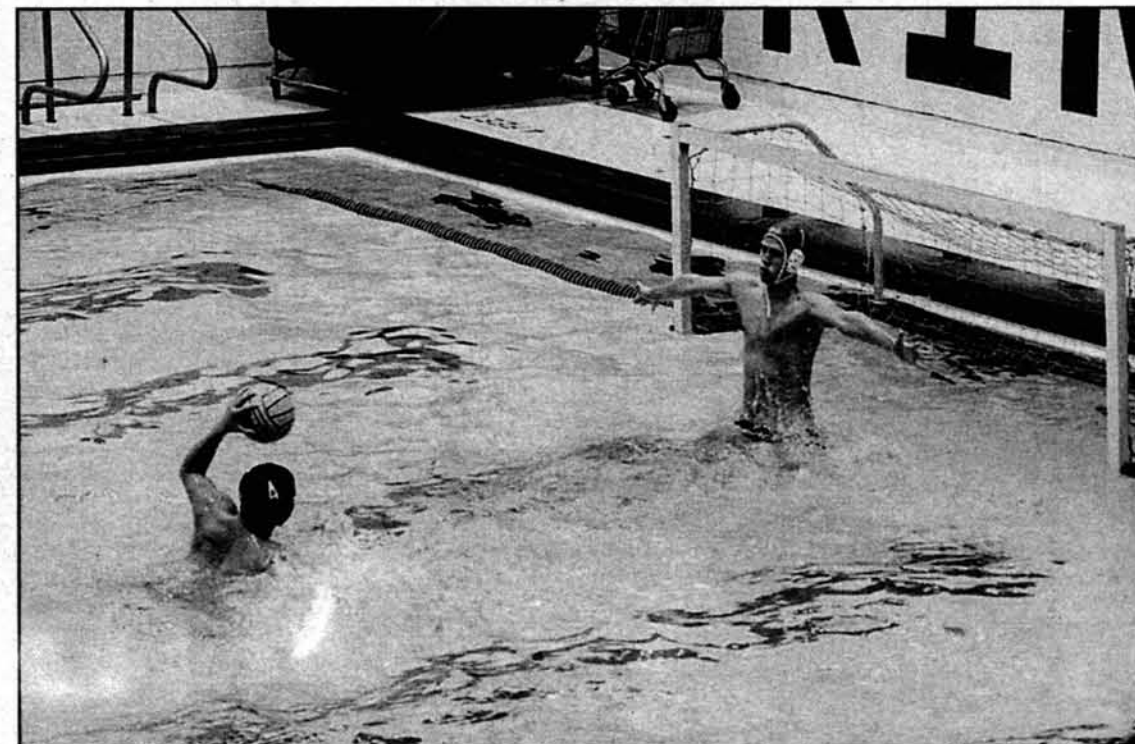
The Engineers finished off Grove City using all of their players. The final score was 15-11.

WLC gives bench playing time

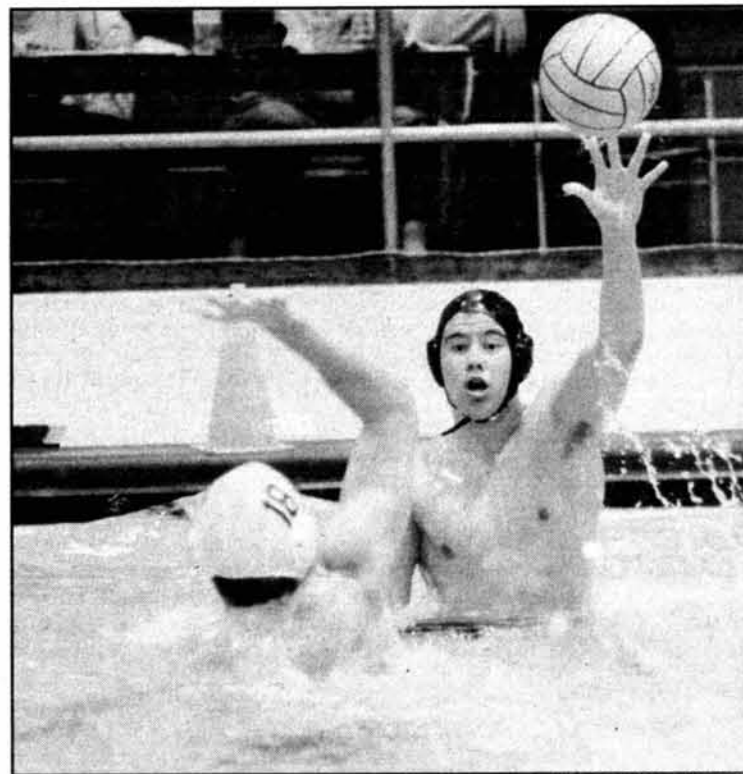
All fired up and ready to go after screening *Fight Club* during the afternoon, MIT jumped into the water knowing that they would be victorious. The first quarter kicked off with an Engineer scoring frenzy. Jeffrey J. Colton '02 marked the first tally with a 4-meter penalty shot. Just 30 seconds later, Bewley scored on a breakaway. After another goal scored by Colton, starter James C. Brady '03 added a goal of his own.

With a 6-1 score after the first quarter, MIT had shown its ability to score. Moving right along, MIT made offensive strides to 11-6 by the half. Despite the large lead, the Engineers were dissatisfied with their defense breakdowns. In the next half, MIT outscored their opponents 7-5. Yet again, MIT played its entire team against W & L, giving rest to the starters, but five goals was still more than W & L should have been able to take. The Engineers would have to be sharper for the next day's championship game against Johns Hopkins University.

Assistant coach Brett A. Cruden said that the first two games were "a warm up. Given we had a pretty good seed, these teams were easy to beat. These teams do not have fully developed programs. Tomorrow we look forward to JHU."



Jeffrey J. Colton '02 finds himself completely unguarded in front of WLC's goal. After taking advantage of the situation, the Engineers went on to win 18-11.



MING-TAI HUH—THE TECH

At Kings Point last weekend, Jeffery J. Colton '02 sets up a goal-scoring opportunity for MIT with a cross pass to James C. Brady '03. MIT won two playoff games (15-11, 18-11) but lost the championship game against Johns Hopkins University (10-9) in the last minute.

Noon, Sunday — the faceoff began between MIT and JHU. The game started off on a goal by the team's leading scorer, Colton. JHU, surprised but not fazed by the opening goal came back with a two-pointer of their own. Bewley charged up the offense with a ball side drive and shot to set the score even at two points. Unfortunately, the first quarter ended at 3-2 after a goal by JHU in the last minute.

Just two minutes into the second quarter, Colton was ejected from the game from remark made towards a referee after arguing a call. Referee Bruce Moorehouse, who had given Colton an ejection already this season, took MIT's primary scorer out of the game. Head coach Jeffrey Ma '94 was outraged by the judgment, but could not protest much having already received a warning for arguing a previous call made against MIT.

Ejection threatens MIT

The Engineers fell 4-2 late in the second quarter being a bit unorganized after a series of damaging calls by the officials. At the half, Ma regrouped his team to plan a new strategy.

"We can win this game without Jeff, keep up the movement, run ball-side drives. Let's go, show them we can play like a team," Ma said.

Immediately at the start of the second half, Larry W. Aller '00 scored from the 2-meter position to cut JHU's lead to one goal. While goalkeeper Ryan P. Adams '01 denied JHU shots from the outside, James C. Brady '03 fired an outside

shot on JHU's half-asleep goalie. Brady's goal tied the game with five minutes in the third quarter resulting in a timeout by the JHU coach.

By the end of the quarter, the MIT team succumbed to JHU's depth. Few substitutions for MIT caused immense fatigue and defensive susceptibility. The score was 8-4 at the beginning of the last quarter, but MIT wasn't ready to accept its deficit. Brady led a comeback with a blazing two-pointer with 5:30 left. JHU made another goal to make the score 9-6.

Adams then took the offense in his own hand and scored on a full pool length shot. The Engineers were awarded two points bringing the game back to within one goal, 9-8. After enough yelling from the JHU coach, the referee's decided to give him a well-deserved warning.

Going into the final minutes of the game, JHU scored once again trying to save themselves from the current offensive rush. Soon after, MIT retaliated with a powerful shot by Scott A. Hansen '02 to bring the score back within one. Then MIT gained another opponent: time. With only a minute left, the Engineers had only one chance to tie up the game for overtime. With some great effort, MIT was awarded a 6-on-5 opportunity. However, the Engineers failed to capitalize and lost the game.

"The team played really hard to the very end. I think we can take a lot from that game and apply it to ones in the future, whether it be handling the officials or the situation," Colton said.

SPORTS

Women's Tennis Wins NEWMAC Championship

MIT Sweeps Babson, Defeats Mount Holyoke and Wellesley to Clinch Title

By Nisha Singh

TEAM CO-CAPTAIN

This past weekend the tennis team became New England Women and Men's Athletic Conference Champions by winning the conference tournament held at Babson and Wellesley Colleges.

Due to their undefeated regular season conference record, the team went in seeded first. On Saturday, the MIT team shut out eight-seed Babson on their home courts. In doubles against Babson, MIT lost a total of 2 games. The first and second doubles teams of co-captain Mealani K. Nakamura '00-Kelly J. Koskelin '02 and Julie J. Koo '03-Jessica Hall '02 both won 8-1. The third doubles team of Nisha Singh '00-Yi-Ning Cheng '02 didn't lose a game, winning 8-0.

MIT had little trouble in singles. Nakamura survived a tough first set, but cruised through the second, winning 6-4, 6-0 at first singles. Koo and Singh blanked their opponents 6-0, 6-0 at second and fourth singles, while Doana Cecan '00 won 6-2, 6-1 at third singles. Cheng and Jean

Yang '00 had more competitive matches at fifth and sixth singles, winning 6-3, 6-4 and 6-4, 6-3. Yang also played a pro-set at seventh singles, winning 8-0.

MHC falls easily in quick match

The team faced fourth-seed Mount Holyoke College at Wellesley in the semifinals on Sunday. Due to lack of court space, the match was stopped as soon as a winner was decided, with MIT earning a 5-1 victory.

In doubles against Mt. Holyoke, Nakamura-Koskelin won 8-5 at first doubles, while Koo-Hall won 8-4 at second doubles. Mt. Holyoke earned their only point at third doubles, where Singh-Cheng lost 8-1.

Going into singles with the 2-1 lead, the top three singles matches were played first due to the court situation. That's all MIT needed, as they swept these three positions. At first singles, Nakamura won 6-2, 6-1, while Koo won 6-0, 6-1 at third singles. Koskelin clinched the match at second singles, winning 6-3, 7-5, and sending MIT into the finals.

At this point, the team did not know whether they were going to face Wellesley

or Wheaton in the finals as the two teams were playing a very close semifinal. Second-seed Wellesley pulled out a 5-3 victory, setting up a rematch from two weeks ago that MIT won 5-4 on their home courts.

However, the MIT women rose to the occasion, pulverizing Wellesley 8-1 to earn their first conference title since 1992.

Doubles was a sweep for MIT. At the first position, Nakamura-Koskelin won 8-3, while second and third doubles were both 8-5 victories for the teams of Koo-Hall and Singh-Cheng, who rebounded well from their loss earlier in the day. Play was suspended in the middle of these matches due to darkness, and though there could have been a change of momentum due to the 15 minute delay, it seemed that nothing could stop MIT.

Singles finish off Wellesley

In singles against Wellesley, Nakamura, Koskelin, and Koo all cruised at the top three positions, winning 6-1, 6-2; 6-2, 6-2; and 6-1, 6-1. Hall had a close one at fourth singles. After winning the first set in a tie breaker 7-6(4) (though she was down 4-0), she dropped the second 6-2. Having clinched the match for MIT when the two teams faced off two

weeks ago, Hall knew she had her hands full.

Play started at 3-3 in the third set due to the lateness of the hour (it was about 8:30 p.m. by this time). Hall seized the opportunity and the match 6-3, 6-1 at fifth singles, but Singh avenged her earlier defeat in the season at the hands of her Wellesley opponent, winning 6-4, 6-3.

After the match, MIT was awarded the trophy as the 1999 Champions of the NEWMAC Conference. Following lots of smiles, hugs, and pictures, head coach Carol Matsuzaki had the following thoughts on the long, but joyful day: "We really handled the pressure of being the top seed well. It was huge for us to sweep the doubles against Wellesley, especially since we had lost two out of the three doubles matches the last time we played them. MIT came out to play, and executed wonderfully... we will need to do more of the same at the New England's this weekend."

The New England Women's Intercollegiate Tennis Tournament at Amherst College is next up for the team, as they hope to continue their magical season with a solid showing against very tough competition.

Soccer Climbs to .500 With Winning Streak

By Theresa Burianek

TEAM CO-CAPTAIN

The MIT women's soccer team has established a three-game winning streak heading into the final regular season game this Saturday at Wellesley College.

Last Thursday, MIT traveled to nearby Waltham to take on Brandeis University in a non-conference match. Although the conditions were cold and windy, the Engineers came out fired up and dominated the first half. Freshman scoring sensation Sarah E. Mendelowitz '03 connected with the back of the net in the 34th minute off a pass from fellow freshman Kelli A. Griffin '03.

The Engineers stayed strong in the second half, causing Brandeis frustration and mistouches. Dominating in the net was Connie Yang '03, who recorded her first

shutout. Griffin (5 goals, 5 assists) and Mendelowitz (7 goals, 1 assist) lead the team in scoring with 15 points each after the Brandeis victory.

MIT returned home Saturday to take on conference rival, Mount Holyoke College on MIT's new turf field. Playing in front of a large crowd of family, friends, and alumnae, MIT looked for its first conference victory. Going into the game MIT knew it would be a physical game from the Lyons, who were trying to avenge an overtime post-season loss to MIT last year.

However, Tech held its own, dominating with controlled possession play, out shooting Mt. Holyoke 23-4. After two intense, emotional halves, the score was still 0-0 as MIT failed to capitalize on many close shots and misplays by the Holyoke keeper. Continuing a three-

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Men's Crew Medals at NH Regatta

By Brian K. Richter

TEAM MEMBER

The varsity heavyweight crew won silver in the Open Eight and the finished sixth in the Open Four at the New Hampshire Championship Regatta last Saturday. The regatta, held on the Merrimack River in Hookset, NH, also served as the first racing opportunity for some of the freshman men's squad as well.

Coach Gordon Hamilton told his oarsmen after the race "the results aren't bad, but we all know we can go a lot faster and we have to do that next weekend."

The mostly Division II and III schools competing in the regatta proved to be better competition than the Beavers would have liked. Nonetheless, the regatta served as a last test against other crews before the Head of the Charles this weekend, Saturday, October 23 and Sunday, October 24.

In the Open Eight event MIT's top heavyweight boat (18:19.8) finished second behind Colby College (18:06.2). The Beaver lightweights (18:45.2) finished sixth and MIT's freshman eight followed them in seventh (18:56.4). The second varsity heavyweight eight finished ninth in 19:24.

Colby placement confuses MIT

The top eight started second behind a Colby College boat. In the first half of the race the Engineers rowed very well pushing away from the teams they could see behind them and walking through the Colby boat in front of them. In the latter half of the race the Beavers held onto their lead but did not move out any further. What the Engineers did not know was that Colby had switched the placement of their first and second eights, so the faster boat started towards the back of the pack and not directly in front of them.

The lineup for the eight was Amanda Y. Yang '02 (cox), Christopher J. Penny '01 (stroke), Brian K. Richter '02, Eugene Weinstein '00, Mark H. Jhon '01, Andrew D. Copeland '01 (stroke), Alan M. Heins '02, Igor L. Belakovskiy '01, Mehlan L. Parker '01 (bow).

The Beavers could only maintain a cadence of 33 strokes per minute throughout the race. Penny commented "we get the same spacing at 36 [strokes per minute] and we need to row that high to be competitive at

the Head [of the Charles]."

At the Head of the Charles, the Engineers get a chance to avenge their loss to Colby this weekend. They also hope to improve against Michigan and Cornell whom they raced two weeks ago. Coach Hamilton is still testing lineups for the Head of the Charles, where the Engineers will compete in the Championship Eights and club Four Events against the world champion United States National Team, the Canadian National Team, and top Division I colleges. The lineups may change from the New Hampshire race to incorporate some of the oarsmen from the Four.

Other boats fare well

In the Open Four, Jorge A. Panduro '01 (stroke), Andrew A. Lamb '02, David T. Garcia '02, Leonid Drozhinin '02, and Yonathan A. Nuta '03 (cox) placed sixth in 22:13 according to questionable official results. The unit

rowed solidly for their first time together in a racing situation.

A group of freshmen rowers—Benjamin J. Zeskind '03 (cox), Patrick R. Buckley '03, Alexander T. Jacobs '03, Stephen P. Bathurst '03, Collins P. Ward '03, Thomas A. Becker '03, Zachery A. LaValley '03, Michael J. Carrabine '03, and Jeffrey T. Loh '03 (bow)—also raced in the Open Eights race against the Varsity crew seventh, despite their youth. Becker, who has proven himself to be one of the strongest freshmen, was the only novice rower in the boat; he raced instead of Nicholas K. Abercrombie '03 who was sick.

That line up sans Becker will race in the Youth Eight event at the Head of the Charles. Only rarely does MIT have enough experienced freshmen to enter that event; this is one of those special years.

"We're going to race better than we did this weekend in the Head of the Charles," said Ward.

UPCOMING HOME EVENTS

Featured Event

This weekend's featured upcoming event is the Head of the Charles Regatta, occurring on October 23 and 24. This year's marks the thirty-fourth running of the world's largest regatta.

Saturday, October 23

- 1:15 p.m. - Men's Club Single - Niell Elvin, Graduate Student, starting 1st of 47
- 2:19 p.m. - Women's Club Four - Sloan Crew, starting 2nd of 54
- 2:52 p.m. - Men's Club Eight - Sloan Crew, starting 16th of 81
- 3:17 p.m. - Women's Club Eight - Varsity Women A starting 13th of 75
- 3:17 p.m. - Women's Club Eight - Varsity Women B starting 65th of 75

Sunday, October 24

- 7:50 a.m. - Men's Senior Veteran Single - Professor Hartley Rogers starting 3rd of 20
- 10:00 a.m. - Men's Youth Eight - MIT Freshmen (Heavy and Light), starting 36th of 45
- 2:18 p.m. - Men's Lightweight Eight - Varsity Lightweights, starting 13th of 23
- 2:28 p.m. - Women's Lightweight Eight - Varsity Lightweights, starting 11th of 23
- 3:43 p.m. - Men's Championship Single - Michael Perry '99, starting 43rd of 46
- 4:05 p.m. - Men's Championship Eight - Varsity Heavyweights, starting 17th of 49

Saturday, October 23

- Fencing vs. Alumni, 1:00 p.m.
- Field Hockey vs. Wellesley College, 1:00 p.m.
- Football vs. Nichols College, 1:30 p.m.
- Men's Soccer vs. Clark University, 10:00 a.m.

Tuesday, October 26

- Men's Soccer vs. Gordon College, 3:00 p.m.
- Women's Volleyball vs. Wellesley College, 7:00 p.m.



BATTLE OF THE LADY ENGINEERS — Jennifer Stout '01 attacks in hope of a goal. MIT lost to WPI 1-2 in Tuesday's field hockey game.

Join us.