

IFC Officer Resigns Over Sanction Feud

By Nathan Collins
EXECUTIVE EDITOR

Three members of the Interfraternity Council Executive Committee have resigned recently, and at least one resigned over ExecComm handling of alcohol violations at several fraternities.

Patrick M. McCaney '03, the current president of Lambda Chi Alpha fraternity, resigned as IFC treasurer because he believed ExecComm had become an "oligarchy" despite "a lot of dissent" within the IFC, McCaney said.

An e-mail sent by IFC President Andrew T. Yue '03 early yesterday morning sealed McCaney's decision. In the wake of several alcohol violations, a committee consisting in part of IFC members had recommended sanctions.

However, in an e-mail message to the IFC, Yue indicated dissatisfaction with the sanctions. A document accompanying Yue's e-mail said that the IFC was "shocked at the apparent leniency" of the suggested sanctions.

This "seemed to me like double jeopardy," McCaney said. McCaney also complained that Yue had taken an excessively hard-line stance on violations.

"When I ran for office, [I wanted] to preserve the system," McCaney said, but "I've never been a proponent of eye for an eye."

An IFC official, who requested anonymity, defended the "no-tolerance" policies, though the official confirmed that the alcohol violations were minor.

"We need to show everybody we're grown-ups," especially in an important year for fraternity, sorority, and independent living group

rush, the official said.

McCaney said that "[Yue's] goal was correct, but the way he was going about it wasn't appropriate."

"IFC Exec [made] the rules, investigated," and made decisions about sanctions, and "that's what really got to me," McCaney said. McCaney made his final decision to resign after Yue sent his e-mail.

"I don't think that's accurate," the IFC official said, adding that ExecComm did take into account opinions from fraternity and independent living group presidents.

McCaney also expressed concern that Yue released details of the alcohol violations in the document accompanying Yue's e-mail. The fraternities in question were told these details were "confidential," McCaney said.

Yue could not be reached for comment.

Trujillo supports IFC action

Daniel Trujillo, associate dean for alcohol education and community development, said that the IFC was struggling with a difficult issue, but, he said, "I think they're doing a very good job."

"[The] IFC is in a tough position," Trujillo said. IFC has to enforce its own policies, but "sometimes it's easier to have someone outside do it," he said.

Two other ExecComm members resigned recently. IFC external relations chair Bryan D. Schmid '03 also resigned. Schmid "sent an e-mail to us" explaining why he resigned, said Lauren E. Owens '03, a spokesperson for the Living Group Council. Owens did not elaborate, and Schmid declined to com-

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A clown tosses rings at teams entering the Johnson Games. The Games, held in celebration of the new graduate dormitory at Sidney and Pacific Streets, took place Saturday afternoon.

WAN YUSOF WAN MORSHIDI

Houses Optimistic Near End Of Rush

By Brian Loux
NEWS EDITOR

As the two-week period of Rush that began on Sept. 20 approaches its final days, preliminary reports indicate that rush numbers will be slightly above the pessimistic expectations many originally held.

"We're not going to be getting the numbers that we had in the past, but [Rush is] not looking too bad," said Interfraternity Council Recruitment Chair Joshua S. Yardley '04. "A lot were pretty pessimistic, but a lot of houses are now getting numbers that are better than they expected."

Yardley said that he has spoken to about ten or twelve IFC houses about their rush programs. No house has specifically spoken to the IFC to request help because of a poor rush.

"The traffic is just less," said Alpha Delta Phi Rush Chair Bruce Au '04. "We still don't know how it will turn out in the end."

However, pika Rush Chair Sarah R. Gottfried '04 said, "Rush has gone quite well for us ... we have a big [return] crowd."

Lauren E. Owens '03, a spokesperson for the Living Group Council, said that independent living group rush has tended to be at either extreme.

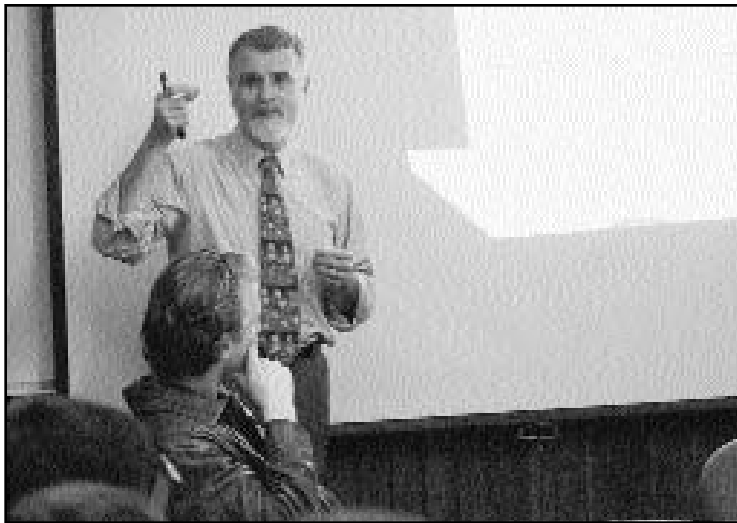
"It's been very varied from house to house," she said. "Some have had low rushes, but they picked up over the weekend, and

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Benedict Outlines Student Life Goals

By Jennifer L. Wong

Dean for Student Life Larry G. Benedict spoke at the Undergraduate Association Council meeting last



CARLOS RANGEL

UA President Josiah D. Seale '02 looks on as Dean for Student Life Larry G. Benedict makes a presentation regarding several initiatives his office is taking this year to improve student life.

night, outlining broad goals for MIT's student life system.

Benedict began his presentation by saying that "our top priority this year is to improve communication."

Benedict stressed the importance of communication on the MIT campus by immediately introducing the Division of Student Life's Web site. He highlighted the importance of the "Priorities and Initiatives" section, saying that he wanted students to be aware of the Dean's Office's attempts to improve campus life. He also emphasized the "Contact" section, noting that students "will get an answer in twenty-four hours" to any questions they have.

Major initiatives for 2002-2003

Benedict's focus for the evening was to present his major initiatives for this 2002-2003 school year.

His first topic revolved around the new policy of all freshmen on campus. Associate Dean for Student Life Programs Barbara A. Baker, said that they will "evaluate how we opened school this year" and how successful the housing lottery actually was. Baker said, the Dean's Office will share this information with the

Benedict, Page 14

Pentagon Retracts Claim That Ritter Not U.S. Citizen

By Keith J. Winstein
NEWS EDITOR

The Department of Defense yesterday retracted a statement that Scott Ritter, the former chief weapons inspector for the United Nations Special Commission in Iraq, "gave up his citizenship" in the United States.

The comments, made by a spokeswoman in the Pentagon's public affairs office last Thursday, were reported in Friday's issue of *The Tech*.

"I'm familiar with Mr. Ritter," the spokeswoman had said. "He's a Russian citizen now, too. ... He gave up his citizenship."

The Pentagon's spokesman for Iraq-related matters, Marine Lt. Col. David Lapan, yesterday said the spokeswoman had been mistaken and that the Pentagon had no knowledge of a change in Ritter's citizenship status.

He had no immediate explanation for the error. "I can't imagine

that anybody at the Pentagon would have said that," Lapan said. "I don't know where that came from."

Because the comments were made by an after-hours spokeswoman who did not give her name, the Pentagon has so far been unable to find her, he said.

Ritter could not be reached for comment. When previously informed of the spokeswoman's comments, he denied renouncing his citizenship or becoming a Russian citizen, and called the comments "character assassination."

The Pentagon continued to decline comment on Ritter's arguments, most recently delivered in a speech at MIT last Thursday, that the U.S. should seek the return of weapons inspections to Iraq instead of the overthrow of Saddam Hussein's government.

Beckett W. Sterner contributed to the reporting of this story.



The new film *Secretary* is worth a look.

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NEWS

Fall Festival is back this weekend with food, music, and games.

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WORLD & NATION

Moussaoui Judge Orders Trial Delayed Until June

THE WASHINGTON POST

The conspiracy trial of Zacarias Moussaoui, the only person charged in this country with a role in the Sept. 11 attacks, was postponed Monday until late June because of the enormous amount of evidence Moussaoui must digest while serving as his own lawyer.

U.S. District Judge Leonie Brinkema also granted Moussaoui's motion for larger quarters, calling his detention in a small, windowless cell "both inhumane and an unreasonable barrier to his ability to work with the materials produced to him."

The judge ordered the U.S. Marshals Service to give Moussaoui more space at the Alexandria, Va., city jail to review the reports, computer disks, audio and video tapes gathered by the government for possible use against him.

Also Monday, prosecutors revealed more information about a business card found at the Pennsylvania crash site of United Flight 93, which the government has said contained a phone number also dialed by Moussaoui.

The government said the business card actually contained an address — not a phone number — used by alleged al-Qaida operative Ramzi Binalshibh in Hamburg, and that Moussaoui dialed the number for that home.

Japanese Government Replaces Top Banking Minister

LOS ANGELES TIMES

TOKYO

An official who already serves as the minister for economics and fiscal policy will take on responsibility for cleaning up Japan's banking sector as Prime Minister Junichiro Koizumi responds to growing international pressure to revive the economy.

As part of a Cabinet shake-up Monday, Koizumi fired a top economic adviser who balked at instituting aggressive financial reform measures. He reappointed a dozen ministers, including most of those holding key posts. Five were replaced, including the agriculture minister who had been criticized for his handling of Japan's mad cow disease outbreak, and the defense minister, whose agency had been criticized for collecting data on those who submitted freedom-of-information requests.

But the most significant change was the replacement of Hakuo Yanagisawa, who as head of the Financial Services Agency was Japan's top banking regulator. He had objected to using public money to help banks write off their nonperforming loans.

Yanagisawa's job will be assumed by Heizo Takenaka, who will also continue in his current Cabinet post as economic and fiscal policy minister. Yanagisawa and Takenaka were known to disagree about how best to resolve Japan's bad-loan mess.

Prosecutors Lay Out Murder Case Against Einhorn

LOS ANGELES TIMES

PHILADELPHIA

In opening arguments Monday, a prosecutor said Ira Einhorn jealously murdered his former girlfriend in a classic case of domestic violence and even wrote a poem after he struck another ex-lover with a bottle and tried to strangle her.

The poem was titled "An act of violence," Assistant District Attorney Joel Rosen told the jury in the trial of the onetime counter-culture figure.

"Suddenly it happens. Bottle in hand I strike away at the head. In such violence, there may be freedom," Rosen quoted Einhorn as writing.

"He had his own little bizarre philosophy of violence," Rosen said as Einhorn stared intently at the jurors. "This defendant believed in the use of violence when breaking up a relationship."

Einhorn, 62, fled Philadelphia just before going on trial in 1981 on charges of killing Holly Maddux and placing her body in a trunk in a closet of his apartment. He remained a fugitive in Europe until his capture in France in 1997 and managed through legal maneuvers to avoid extradition until last year.

WEATHER

By Joel C. Corbo
PRODUCTION EDITOR

Once upon a time there was a little electron. The electron was lost, and couldn't find his way home, because he had been viciously ionized away from his friend the proton. Lost and alone, the little electron wandered through the quantum sea until he stumbled across Schrödinger's Cat. The electron exclaimed, "Why, I do believe that's Schrödinger's Cat over there. I wonder if it's alive or dead." The little electron went over to check the state of the cat, when all of a sudden it turned into a positron. The electron had been tricked! Running for his life, the electron found its way to the Museum of Science and hid in the Van de Graaff generator, where he felt quite sure he would not stumble across any antimatter. There he has lived until this very day, waiting for his proton to return to him.

Extended Forecast

Today: Partly cloudy, high of 79°F (26°C)

Tonight: Mostly clear, low of 63°F (17°C)

Wednesday: Partly cloudy, high of 80°F (27°C), low of 55°F (13°C)

Thursday: Partly cloudy, high of 68°F (20°C), low of 49°F (9°C)

Torricelli Quits Senate Race As Democrats Look for Sub

By Ronald Brownstein

LOS ANGELES TIMES

WASHINGTON

Embattled Sen. Robert Torricelli, D-N.J., withdrew from his race for re-election Monday, scrambling the national battle for control of the Senate and inciting a legal confrontation over whether New Jersey Democrats can place a new candidate on the ballot.

Battered by revelations about expensive gifts he had accepted from businessman David Chang, Torricelli was trailing in recent polls to Republican nominee Doug Forrester, manager of a pharmaceutical benefits management firm.

National Democrats considered Torricelli, who was completing his first Senate term after 14 years in the House, their most endangered incumbent.

His decision to step aside could give Democrats an improved chance of holding the New Jersey seat — and their 50-49 Senate majority — if they can resolve the swirl of political and legal questions about replacing him on the ballot.

"I will not be responsible for the loss of the Democratic majority in

the United States Senate," Torricelli declared in a lengthy and emotional speech in Trenton, N.J. "I will not allow it to happen."

His voice cracking, his words teetering at times between defiance and self-congratulation, Torricelli presented an extended list of his achievements, but flatly acknowledged that the questions about his ethics had eclipsed all other campaign issues.

"I cannot talk about war and peace or economic opportunity or the environment or the sanctity of our Constitution. ... I can't be heard," he said. "My voice is not so important that it cannot be substituted."

But exactly how that substitution could occur is shrouded in confusion and controversy.

Though the New Jersey Democratic State Committee, with 110 members, has the formal authority to name a successor, in practice party insiders said the decision would be made by top party officials and New Jersey Gov. James McGreevey, a Democrat, within the next 48 hours.

The state Democratic Party plans to file suits Tuesday in both state

and federal court to have that new nominee replace Torricelli on the New Jersey ballot, said Rich McGrath, the party's communications director.

But Republicans instantly signaled they would fight in court any effort to place a new candidate before the voters. Alex Vogel, general counsel of the National Republican Senatorial Committee, said New Jersey law barred the parties from replacing their candidates less than 51 days before the election — which as of Tuesday is only 35 days away.

"If there were to be exceptions to the (state) law, it is highly unlikely that fear of losing an election would be one of them," said Sen. Bill Frist, R-Tenn., head of the NRSC.

Likewise, Forrester said any effort to put a new candidate on the ballot would "disregard the clear letter of the law."

Speculation on the replacements Democrats would turn to focused on four names. Several sources said the top choice was former Sen. Bill Bradley, who decided against seeking re-election in 1996, creating the vacancy that Torricelli filled.

Senate Continues Negotiating Resolution Over Force in Iraq

By Janet Hook

LOS ANGELES TIMES

WASHINGTON

As the Senate prepares for a potentially divisive debate this week on a resolution authorizing military action against Iraq, negotiations continued Monday for compromise wording that could increase support for the measure from Democrats.

Sources close to the talks say the White House is still not likely to make major concessions to Democrats who want more emphasis on diplomatic efforts to disarm Iraq and U.N. support for possible action against Iraqi President Saddam Hussein.

But with the talks proceeding on Monday, Senate Majority Leader Tom Daschle, D-S.D., dropped plans to open debate on the resolution Tuesday, postponing it at least until after a Wednesday morning meeting the White House called with congressional leaders.

At issue is whether the Bush administration will accept further concessions to expand support for

the resolution among Democrats who think the president has requested powers too broad and unchecked by Congress.

"I'm not sure how far each side is going to move, but the goal still remains to get the broadest bipartisan support possible," said Kori Bernards, a spokeswoman for House Minority Leader Richard Gephardt, D-Mo.

The push to alter the war authorization was given a bipartisan boost in recent days as Sen. Richard Lugar of Indiana, a respected Republican leader on foreign policy, joined Senate Foreign Relations Chairman Joseph Biden, D-Del., in pushing an alternative resolution that would be more limited than the Bush proposal.

Sean McCormack, spokesman for the National Security Council, said the proposal was "too narrowly focused," because it dealt only with enforcing U.N. Security Council language dealing with weapons of mass destruction, rather than upholding authority to act against

Hussein in response to Iraqi support for terrorism and threats against its neighbors.

The resolution submitted by Bush two weeks ago requested open-ended powers to challenge Iraq and promote "peace and security in the region." That measure is sure to be amended — if only to incorporate changes the administration agreed to last week in response to complaints from members of both parties that the measure was too broadly worded and should include some consultation with Congress.

But even those changes were not enough for many Senate Democrats. And partisan cross-fire over Iraq continued Monday as Republican leaders criticized the three House Democrats who traveled to Baghdad over the weekend.

Rep. Tom Davis of Virginia, chairman of the National Republican Congressional Committee, attacked Rep. Jim McDermott, D-Wash., for suggesting while in Baghdad that Bush would "mislead the American people."

Palestinians, Israeli Army Clash As Violence Erupts in West Bank

THE WASHINGTON POST

JERUSALEM

Violence erupted in the West Bank city of Nablus Monday as Palestinians threw rocks, gasoline bombs and debris at Israeli army vehicles and the soldiers returned fire with guns and tanks. Two Palestinian youths and an Israeli soldier were killed and dozens of Palestinians wounded in the fighting.

Monday night, gunfire and shelling continued to rock the center of the city, residents reported. At least three buildings were set ablaze by an Israeli tank blast, they reported, sending plumes of black smoke across the downtown area. The area was thick with the smell of tear gas.

The violence came as the human rights group Amnesty International

reported that more than 250 Palestinian children and 72 Israeli children have been killed in the two-year-long Palestinian uprising against Israeli occupation in the West Bank and Gaza Strip. Another 7,000 Palestinian and "several hundred" Israeli children have been injured in the violence, the London-based group reported.

"Most Palestinian children have been killed by the IDF's (Israel Defense Force's) excessive and disproportionate use of lethal force against demonstrators and stone throwers, and their reckless shooting, shelling and aerial bombardments of residential areas," the report said. Among the Israeli children killed, 70 percent were victims of suicide bombings, and the report noted the "consistent failure on the part of the PA (Palestinian Authority)

to take the necessary steps to arrest those responsible for killing Israeli children and other civilians."

Palestinians said the violence Monday in Nablus — a city of about 115,000 people 30 miles north of Jerusalem that has been under curfew for more than 100 days — came in several spurts of rock- and molotov cocktail-throwing clashes between Palestinian youths and Israeli forces.

In the first incident, a group of youths began throwing debris at an Israeli tank near the Balata refugee camp on the eastern outskirts of the city. The tank opened fire with its heavy machine gun, killing Rami Ael-Barbari, 12, who was shot in the back of his head, and injuring several others, according to Nablus mayor Ghassan Shakah.

Dow Jones Hits Four-Year Low As 4th Quarter Draws to Close

By Pradnya Joshi
NEWSDAY

NEW YORK

If you thought your last mutual fund statement was ugly, wait until you see this quarter's report.

The stock market drew the curtain on one of its worst quarters ever Monday, with the Dow Jones industrial average and the Standard & Poor's 500 Index registering their biggest percentage losses over a three-month period since 1987.

Bogged down in a bear market for more than two years, Wall Street is plagued with concerns about corporate profits, the sluggish economic recovery and a possibility of war with Iraq.

"These numbers are bad," said

Howard Silverblatt, editor of quantitative services at Standard & Poor's. "Most of the pensions are going to emulate" the performance.

The Dow closed at 7591.93 Monday, a new four-year low. The index of 30 blue-chip stocks was down 109.52 points for the day, and for the three months ending Monday it dropped 17.87 percent, its worst performance since losing 25.32 percent in the fourth quarter of 1987.

The Standard & Poor's 500 Index ended at 815.29, down 12.08 points. The S&P 500 is above its bear-market low at the close on July 23 but is still down more than 17.6 percent for the quarter. Only 31 stocks in the index ended the quarter higher than the prices they were

trading at at the end of June, while more than 230 stocks are down more than 20 percent, Silverblatt said.

The tech-heavy Nasdaq composite index fell 27.07 points Monday to close at 1172.09. That index is down nearly 40 percent since the beginning of this year.

Optimism that crept into the market earlier in the year seems to have disappeared as Wall Streeters focus on negative news.

Investors chose to brush over solid personal income data released Monday that showed a 0.4 percent increase in August over July, to dwell on a disappointing 0.3 hike in consumer spending. Also, retail giant Wal-Mart lowered its estimate for September same-store sales.

Retirement Home for Lab Chimps Being Built Near Shreveport, La.

THE WASHINGTON POST

Finally, after more than four decades of public service, it's retirement time for Rita.

The 47-year-old chimpanzee, brought to the United States from Africa by the U.S. Air Force in the 1950s, is a prime candidate for a new retirement home to be built near Shreveport, La. The facility is expected to cost at least \$35 million, most of it federal money, to build and operate over a 10-year period.

Under a \$19 million contract awarded Monday by the National Institutes of Health, Chimp Haven Inc., a nonprofit group based in Shreveport, will operate "a sanctuary system for all chimpanzees retired from federal biomedical

facilities," the group announced. In addition, Chimp Haven said it plans to contribute \$6 million in matching funds.

NIH said the sanctuary "will provide lifetime care for federally owned or supported chimpanzees that are no longer needed for biomedical research."

The chimpanzee retirement community is to be built on 200 acres of forested land donated by Caddo Parish, La., and is scheduled to open by spring 2004. NIH said it also plans to provide about \$10 million to fund construction of the sanctuary, including administrative offices, infrastructure, utilities, an education center, quarantine facilities and what Chimp Haven

described as "indoor and outdoor housing" for 200 chimpanzees. Eventually, the sanctuary is to be expanded to accommodate more than 300 chimps.

The sanctuary will be run by a staff of about 25 people, including a full-time veterinarian, and will feature "non-climbable walls" and moats to keep the chimps from leaving their forested preserves, said Linda Brent, president of Chimp Haven.

"After these chimpanzees have endured years in medical research laboratories, society owes them a tremendous debt," said Larry Hawk, president of the American Society for the Prevention of Cruelty to Animals.

West Coast Ports Idled by Lock Out

THE WASHINGTON POST

LOS ANGELES

Every port on the West Coast was idled Monday by a bitter, escalating contract feud between shipping companies and dockworkers that could have enormous effects on the national economy.

The shutdown forced nearly 11,000 dockworkers off their jobs for the second time in recent days and paralyzed 29 ports from San Diego to Seattle during their busiest time of the year. The ports handle about \$1 billion in cargo a day and are among the largest in the country.

As angry dockworkers picketed outside port gates here and elsewhere Monday, scores of cargo ships arriving all along the West Coast from Asia were stranded outside harbors, filled with goods for factories and businesses across the country. Some rail lines were left without deliveries, and hundreds of truckers were stuck parked outside ports with empty rigs.

White House officials said they were closely monitoring the dispute and urged both sides to accept the help of federal mediators with a meeting tentatively scheduled Thursday in Washington. "We are concerned about the effect on the economy," said White House spokeswoman Claire Buchan.

Shipping companies and port operators are accusing the longshoremen, whose labor contract expired July 1, of orchestrating costly and disruptive work slowdowns. The Pacific Maritime Association, which represents shipping lines and port operators, imposed a temporary lockout Saturday, then closed all terminals Sunday evening only a few hours after they reopened, saying dockworkers were again engaging in tactics that were creating chaos.

Lawsuit Targets Executives' Profits

THE WASHINGTON POST

NEW YORK

New York's attorney general on Monday sought to force five telecommunications executives to give up millions of dollars in profits they earned selling shares in companies going public during the Internet boom.

In a lawsuit filed in New York State Supreme Court, Eliot Spitzer charged that former WorldCom chief executive Bernard Ebbers and four other executives received initial public offering shares by steering lucrative investment banking business to brokerage firm Salomon Smith Barney, an arrangement that was not disclosed to investors. Spitzer said the men should be forced to give up the \$28 million in profits earned when they sold those shares.

The lawsuit also asked that the executives be directed to return \$1.5 billion in profits they made by selling shares in their own companies, saying they knew their stock was inflated.

Others named in the lawsuit include Metromedia Fiber Networks Inc. Chairman Stephen Garofalo; former McLeod USA chairman Clark McLeod Inc.; and two former Qwest Communications International executives, Joseph Nacchio, who was chief executive, and Philip Anschutz, who was chairman.

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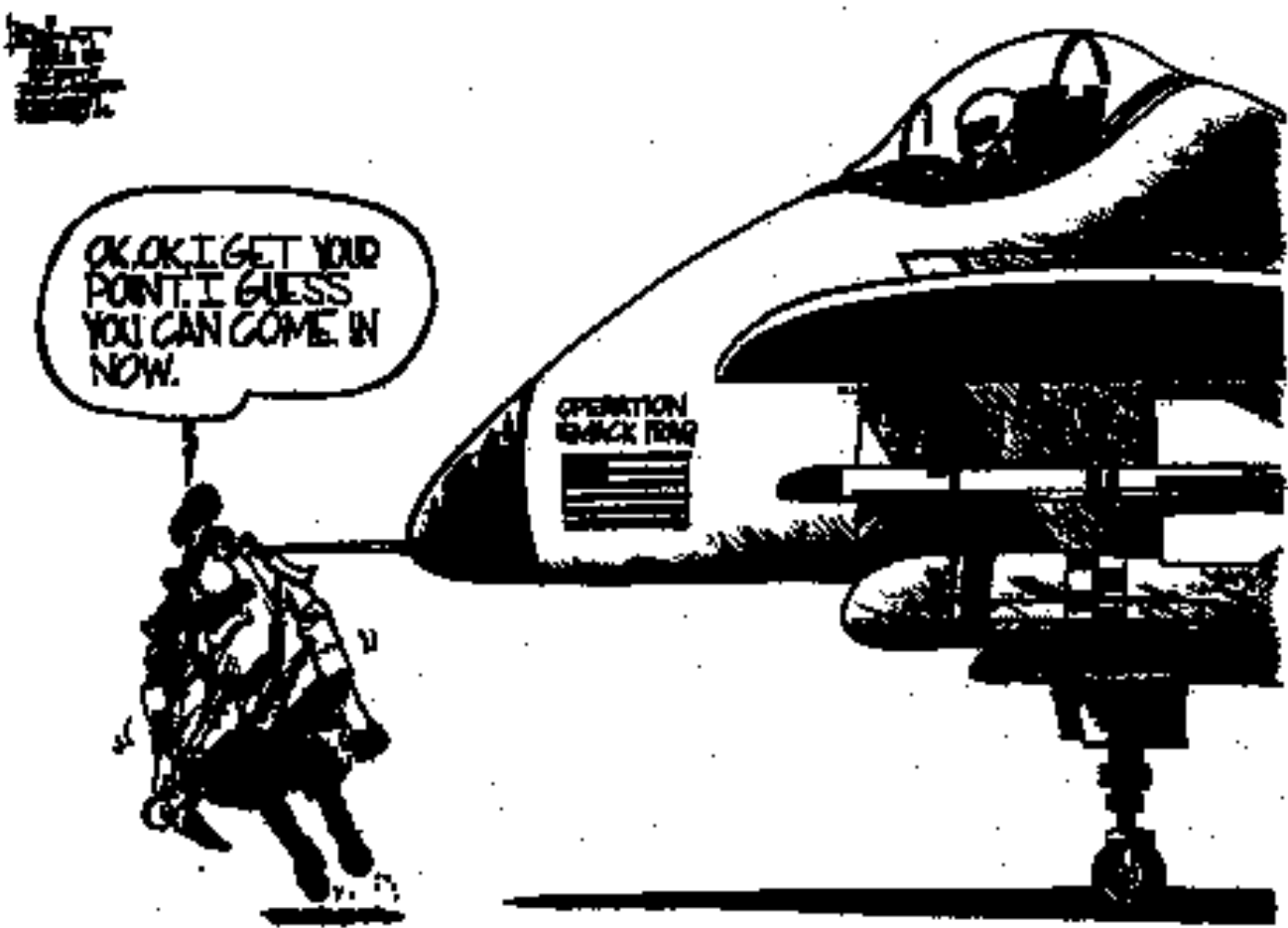
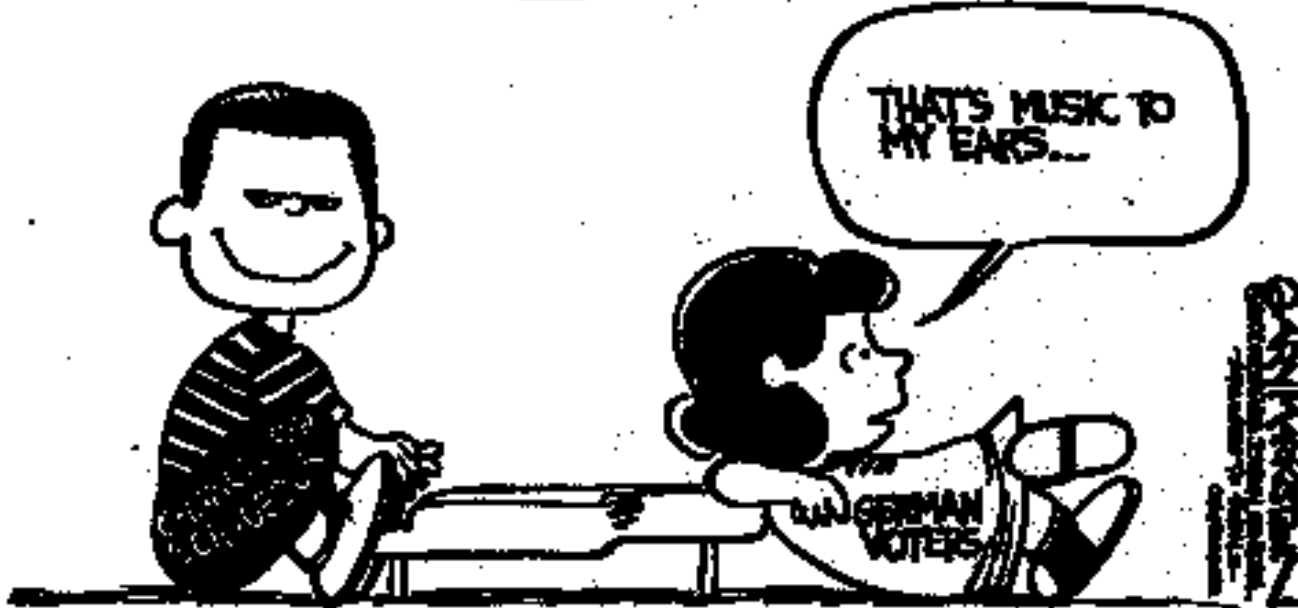
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Letters to the editor are welcome. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m.

two days before the date of publication.

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

To Reach Us

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. *The Tech* can be found on the World Wide Web at <http://the-tech.mit.edu>.

College Rankings

Proud, Furious, or Whatever

Guest Column
W. Victoria Lee

Yes, so I have heard. We are ranked fourth in the *U.S. News and World Report* college rankings. How do I feel? Or should I ask, how do we all feel? Outrage? Pride? Or just apathy? Having been through the process of applying to colleges, I believe the majority of college students have checked the ranking guide "America's Best Colleges" at least once in high school, not to mention those of us who beheld and read the guide as a bible.

Although we say we choose which colleges to apply to based on the school's affordability, campus atmosphere, distance from home, and maybe just simply its compatibility with us, we all know that in reality we choose schools based on their reputations. After all, nobody will choose to go to a college just because it has beautiful red brick walls. We all want the best education that we can possibly obtain and reputation is often a pretty decent indicator of quality education.

Consequently, we pay attention to the rankings of the schools because we tend to believe that the schools with higher rankings are the schools with good reputations. Recognizing this, it's easy to understand people's fury (or contentment) about MIT's being ranked fourth. Most people who attend high ranked colleges have worked very hard to be there. Last year, around half of the students admitted to MIT for the Class of 2006 were the valedictorians of their high schools. Naturally, we are proud of the school we attend and we care about what other people think of our school. But what is really being told by the ranking? What exactly does it rank? And should we really care so much about it?

The rankings are based on data collected according to seven categories branched into 16 academic areas of each school. The data themselves, however, are gathered from the colleges via surveys, which implies that the data are neither complete nor perfectly accurate. Indeed, five percent of the schools being surveyed this year did not return their responses.

Incomplete data then leads to estimation,

which is exactly what happened. The *U.S. News* Web site explaining ranking methodology further explains that each academic area "is assigned a weight that reflects [their] judgment about how much a measure matters." If the rankings are based on the data that have been unilaterally judged, how can we depend on the ranking as faithfully as if it has been universally agreed upon?

We all know that when we conduct research, we have to refer to multiple sources in order to check for accuracy, so why don't we just view the *U.S. News* rankings as a set of possible, instead of definite, rankings?

Furthermore, one fourth of the ranking

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score is based upon "peer assessment." The "peer" indicated here is a category comprised of "presidents, provosts, and deans of admission at peer institutions." What they are asked to do in the survey is to rate the academics of other schools, collectively called the "peer schools." The rating scale runs from 1 to 5 where 5 being the best. In addition, there's another choice marked "don't know."

Honestly, this is an incredibly clever way of ranking schools' reputations. The number of people who rate a school naturally reflects the fame of that school. If a school is virtually unheard of, then undoubtedly the rater will check the "don't know" box. Similarity, if a school is known to have excellent faculty, then this distinction will show on the surveys as well. But how much do these peers really know about their "peer schools"? After all, there are thousands of colleges in the States,

not to mention that only 64 percent of those who were surveyed responded.

Alumni giving rate is another category that I find to be a highly debatable ranking factor. It is meant to be "an indirect measure of satisfaction" of the graduates. But do happy alumni really love to give back wads of greens to their alma mater? Most of the top ranked schools are private colleges that are usually accompanied by very expensive tuitions and not everyone who attend these schools come with great financial aid packages in one hand and tons of scholarships in the other.

The chances are that many people will be paying off a debt of some sort when they graduate. Those who decide to go on to graduate, law or medical schools will have even heavier loads. These alumni can be perfectly satisfied with their colleges, but not everyone who has paid hundreds of thousands of dollars when he was in the school would want to pay more when he is out of the school.

Nevertheless, some of the other ranking factors do, in my opinion, measure the quality of each college to a considerably accurate extent. Indicators such as retention rate, faculty resources, and student selectivity cannot lie. It is almost a law of nature that a more selective school will be higher ranked than a less selective school. And thank goodness that *U.S. News & World Report* put these facts together into a guide. After all, where else would we go if we need up-to-date information on the colleges?

If you ask me what I think of the ranking system, I'll have to say that ranking is, ultimately, just a reference. So for those of you who are furious about our current fourth-place position, don't lose sleep over it. Because once we get out into the world and start working, people will know where we really are (namely, at the top, of course).

For those of you who can live with the *U.S. News* ranking, don't be so content about it, either. Because you know where we really belong (that is, again, at the top). Finally, for those of you who don't really care, well, no harm done. But it wouldn't hurt to give the reference a quick glance every now and then.

W. Victoria Lee is a member of the Class of 2006.

The Benefits Of FSILGs

Guest Column
Alvin Lin

Freshmen: you have an important decision to make, whether you realize it or not. You can decide that MIT's fraternities, sororities, and independent living groups are "bad" or that they are "good." Through the process of this decision, you may learn a surprising amount about yourself and what you want out of your college experience. I encourage you to explore MIT's FSILGs before you ultimately resolve to live four years of dormitory life.

The MIT student body is diverse, and the amount of choice you are afforded in choosing your living situation is one of MIT's best and most unique aspects. The FSILG system is at the very center of your extraordinary right to choose. Among many benefits, the FSILGs promote the very leadership and social skills, and community awareness that students from other schools say we lack.

Nowhere else in the country are college students given more diverse options about where they can live, and nowhere else can thousands of college students live in million-dollar mansions while paying living costs comparable to those in dormitories. Furthermore, MIT's living groups are more approachable and offer more intangible benefits than the social organizations and living structures at other schools (the "Finals Clubs" at Harvard, "Eating Clubs" at Princeton, and "Societies" at Yale).

Personally, I know I have matured more, learned more about life, and enjoyed better college memories than I ever would have had living in a dormitory. Along with sharing my college experience with forty good people, I meet so many other amazing and interesting people through my FSILG. I meet "crusty" alums of my house who, after taking different but successful paths in life, return to share fond memories of their experiences. I meet interesting and amazing people at the various social events that my FSILG frequently holds. Most importantly, I share friendships and great memories with members of my FSILG that I know will last well after graduation.

While my FSILG acts as a great "home away from home," it also provides many supplementary benefits. There are, of course, the advantages of a strong, built-in support structure (both academic and emotional), leadership experiences gained from living in a self-governed house, and great food prepared daily by a house chef. It may add other subtle, intangible benefits as well — I can say that at least within my FSILG, I have seen individuals become more self-actualized, carve out their own identities, and achieve extraordinary levels of personal growth. These personal benefits are hard to quantify, but they are just as valuable as the academic learning achieved within our respective courses of study.

I distinctly remember coming to MIT thinking I would not want to join an FSILG. However, once I realized that MIT provided a unique experience offered nowhere else in the world, I actively sought out an FSILG and found one that was right for me. In retrospect, I believe it's one of the best decisions I could have made here to help me grow and learn about myself. As an upperclassman, I have begun to appreciate the feeling of home I get whenever I walk into my FSILG and become more aware of my remaining time at MIT.

I do not live in an FSILG because I know that the majority of leaders in America are Greek, or because I know the average FSILG GPA is higher than the MIT campus average (although both are true). I also do not live in an FSILG because all of my friends are there, or because it's the "cool" thing to do. I continually choose to live in my FSILG because my experience gives me great memories I cherish, and provides me with opportunities and experiences that I value. I can also say that by contributing my own values and skills to my self-governed FSILG, I have been rewarded with lessons and satisfaction beyond the typical college experience.

If you ultimately decide that the FSILG system is "good," then take part in it! There are over thirty different living groups at MIT, and I'm sure there are a handful of which you will feel right at home. So join one. Or support one. Or work to address the faults of the system so it can be more perfect than it was before. At the very least, try to find out why so many individuals feel so strongly about preserving their living group at MIT.

Alvin Lin is a member of the Class of 2004.

The Rules of the Economic Game

Basil Enwegbara

Great warriors had coup d'oeil in abundance. Great warriors used it to predict what the opponent would do. Alexander the Great called it his "hope," Caesar called it his "luck," and Napoleon called it his "star." Coup d'oeil, literally translated as "stroke of the eye," is the ability to assess a situation at a glance, which enabled these great leaders to look over the battlefield and take immediate advantage of the terrain and the opponents.

These great warriors, having the genius of war, looked first at the environment in which war occurred, then matched the environmental factors with personality characters. They knew that warfare always involved danger, physical effort, uncertainty, and change. And that is why Napoleon concluded that "if the art of war consisted merely in not taking risks, glory would be at the mercy of very mediocre talent," and Machiavelli advised his Prince, "even when your domain was at peace, act as if it was at war."

But who are the economic warriors of tomorrow? Are they going to come like the Barbarians, who defeated Imperial Rome? Where will their surprises come from? Or will these new players win because theirs is a battle of survival at all costs? Will their unique gifts be their great curiosity? Do they wonder why things work and what is beyond the ridge of hills? Do they have courage to go where no man has gone before? Will they have a burning desire to get new knowledge in a different way from others, and their ambition to conquer and build something different?

Prophecy, they say, is a risky business. Nobody can predict the future, including the experts. Socrates believed only an utter fool would desire to do so. Surprises and knock-out will emerge from the least expected. It happened to the British, when their great trading machine in the mid nineteenth century was halted in the oil-rich Niger Delta, not by Germany or France, but by Jaja of Opobo, a former Ibo slave boy, who outsmarted Queen Victoria's best-trained trading warriors.

Although it is true that nobody can predict the future, Lester Thurow, as one of today's

foremost thinkers, explains the forces that will shape the future. In fact, through such books as "The Zero-Sum Society," "The Future of Capitalism," or "Building Wealth," he gives us the privilege of understanding tomorrow's game rules. They are as follows:

Rule one: Nobody has ever become very rich by saving his money. The rich see opportunities to work and invest in situations where large disequilibriums exist. This was as true for John D. Rockefeller as it is for Bill Gates. In both cases their lifetime savings constitute a small fraction of their total wealth. Carefully saving one's money and investing in normal equilibrium situations can make one comfortable in one's old age but never really wealthy.

Rule two: Successful businesses must be willing to cannibalize themselves to save themselves. They must be willing to destroy the old while it is still successful if they wish to build the new before it is successful. If they won't destroy themselves, others will destroy them.

Rule three: Businesses that would grow rapidly with high profit margins must take advantage of technological disequilibriums, exploit developmental disequilibriums, or create sociological disequilibriums. All other activities are slow-growth, low-rate-of-return commodity businesses.

Rule four: Understanding, recognizing, and accepting the limits imposed by their genetic weaknesses is the beginning of wisdom for all organizations. The secret of success is finding places to employ one's resources where those weaknesses are irrelevant.

Rule five: Humans have discovered how to operate successful capitalist economies in the midst of modest inflation, but not how to operate them in the midst of even mild deflation. Given a choice between the same rate of inflation or deflation, take the inflation every

time.

Rule six: There are no institutional substitutes for individual entrepreneurial agents. The entrepreneur winners of the game become wealth and powerful, but without entrepreneurs, economies become poor and weak. The old will not exit; the new cannot enter.

Rule seven: Any society that values order above all else will not be creative, but without the right degree of order, creativity disappears as if into a black hole.

Rule eight: The economic payoff from social investment in basic research is as clear as anything is ever going to be in economics.

Rule nine: Knowledge-based capitalism isn't going to work without a new system for determining who owns or controls intellectual property right. Capitalism requires clear, easy-to-enforce ownership right.

Rule ten: The biggest unknown for the individual in a knowledge-based economy is how to have a career in a system where there are no careers.

Rule twelve: Economic progress and environmental progress are synonyms, not antonyms.

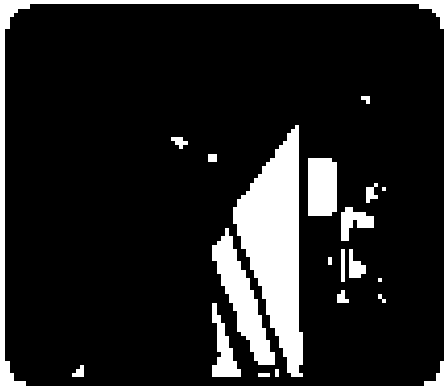
Rule Thirteen: Luck is necessary. Talent, drive, and persistence by themselves aren't enough to get wealthy.

Even mere intelligence will not be enough. After all, Sir Isaac Newton, who could predict the motion of the heavenly planets, failed woefully as a great investor during the South Sea Bubble. Those who are in the old industrial economy educational system are only doing a great damage to those who are going to inherit the mantle in future.

It is going to be a global economy where mind games and manipulation are the stock-in-trade. Even going to the best elite management school is no longer adequate; after all, whatever is learned there is already known to many. In fact, if information technology is capable of changing the game, in this "new knowledge revolution," the game becomes changing the game

Rule seven: Any society that values order above all else will not be creative, but without the right degree of order, creativity disappears as if into a black hole.

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THEir near return to our feature documenting "The Good Student" of the Week... WITHOUT MAKING A SOUND THE GOOD STUDENT'S ONLY VOCAL PREDATOR, THE "RESEMBLES AN ADVISOR", PROMPTLY TO BOUNCE ON AN UNSUSPECTING VICTIM.



CONTINUING THE INTERESTING PERS., THE GOOD STUDENT ISSUES A MORNING CALL TO THE REST OF THE FLOCK. THIS IS THE ONLY KNOWN EXAMPLE OF COOPERATION IN THE OTHERWISE WORM-LIKE SPECIES.



THE GOOD STUDENT'S UNIFORM APPEARANCE, CHARACTERIZED BY WHITE T-SHIRT, JEANS AND WHITE SHOES, HELP CONFUSE THE PREDATOR IN THE EXCESSIVE WILD STAMPEDE.



ONCE COVERED, THE GOOD STUDENT'S DEFENSE MECHANISM TRIGGERS UNCONSCIOUSLY TECHNICAL INTERLUDES AND "GROUNDED" TALKING BEHIND IN WHAT IT CALLS "A HEAVY COURSE LOAD."

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Events Calendar

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

Tuesday, October 1

10:00 a.m. – Admissions Information Session. Admissions Office Information Session gathers at the Admissions Reception Center (10-100). Enter MIT at the main entrance, Lobby 7, 77 Massachusetts Ave (domed building with tall pillars). Proceed down the center corridor to Room 10-100 on the right. Following the Admissions Information Session is a Student Led Campus Tour which begins in Lobby 7 (main entrance lobby). Groups over 15 people need to make special reservations. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

10:45 a.m. – Campus Tour. Student Led Campus Tours are approximately 90 minutes long and provide a general overview of the main campus. Please note that campus tours do not visit laboratories, living groups or buildings under construction. Groups over 15 people need to make special reservations. Campus tours start at the conclusion of the Admissions Information Session. The Campus Tour begins in Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

2:00 p.m. – Admissions Information Session. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

2:30 p.m. - 3:30 p.m. – Computation and Analysis of a Nonlinear Nonocal Cochlear Model with Applications to Multi-tone Interaction in Hearing. Refreshments will be served at 3:30 PM in Room 2-349. free. Room: Room 2-338. Sponsor: Physical Mathematics Seminar. Department of Mathematics.

2:45 p.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

4:00 p.m. - 5:00 p.m. – MTL VLSI Seminar Series. Submicron Scaling of InP Bipolar Transistors: Device Design, Technology Roadmaps, and Advanced Fabrication Processes. free. Room: 34-101. Sponsor: MTL VLSI Seminar.

4:00 p.m. - 5:00 p.m. – Collapse of Masonry Structures. free. Room: 1-350. Sponsor: Engineering & Environmental Mechanics Group.

4:15 p.m. - 5:15 p.m. – Scheduling Under Uncertainty: Optimizing Against a Randomizing Adversary. ORC Fall Seminar Series. Seminar reception immediately following in the Philip M. Morse Reading Room, E40-106. free. Room: E40-298. Sponsor: Operations Research Center.

4:15 p.m. - 5:30 p.m. – GTL Seminar Series. The Role of Technology in Reconciling Aviation Mobility and the Environment. free. Room: 31-161. Sponsor: Gas Turbine Laboratory, AeroAstro.

5:00 p.m. - 7:00 p.m. – The Competition for Fuel. First in a three part series on ENERGY, THE ENVIRONMENT, and GLOBAL POLITICS. free. Room: E51-345. Sponsor: STS, The Technology and Culture Forum at MIT, Laboratory for Energy and the Environment.

6:00 p.m. - 7:30 p.m. – Toastmasters@MIT Evening Meetings. 77 Mass. Avenue, Cambridge, Building 2, Room 2-131. free. Sponsor: Toastmasters.

6:30 p.m. – Architecture Lecture. "Sounding Buildings." Lecture by Raj Mehta '86, composer, jazz musician, experimental trumpeter and instrument builder. Co-sponsored with the MIT Office of the Arts. free. Room: Rm 10-250. Sponsor: Department of Architecture.

7:00 p.m. – Women's Volleyball vs. WPI. free. Room: duPont Gym. Sponsor: Department of Athletics.

9:00 p.m. - 1:00 a.m. – LIVEmusic@theEar: Krysalis. A night of psychedelic trance. Hours: Monday: 9 p.m. - 1 a.m.; Tuesday - Thursday: 7 p.m. - 1 a.m.; Friday: 4 p.m. - 1 a.m. The Thirsty Ear Pub is located in the basement of Ashdown House. Enter through the courtyard. Must be over 21. Proper ID required. Free. Room: The Thirsty Ear Pub. Sponsor: Dance Mix Coalition, The Thirsty Ear Pub. ATat.

Wednesday, October 2

7:30 a.m. - 5:30 p.m. – Innovations in Product Development. This two-day executive program has been designed to share research results of the Center for Innovation Product Development. \$950.00. Room: Kresge Auditorium. Sponsor: Office of Corporate Relations/ILP. Center for Innovation in Product Development.

10:00 a.m. – Admissions Information Session. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

10:45 a.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

11:00 a.m. - 12:00 p.m. – Optics & Quantum Electronics Seminar Series. Programmable PMD Generation for Quantifying Optical System Impairments. free. Room: Grier Room B, 34-401B. Sponsor: Optics.

12:00 p.m. - 1:00 p.m. – "Pleasures of Poetry" Seminar. Discussion of Li Po, Ezra Pound HD and Gertrude Stein led by Stephen Tapscott. free. Room: Rm 14N-304. Sponsor: Literature Section.

12:00 p.m. - 1:00 p.m. – TSM Backup Service Quick Start. Learn how to download, install, and configure TSM (formerly AD5M), a program for backing up your files to a secure server over the network. (The backup service itself has a small monthly fee; the software is free to MIT users.) Discuss your TSM questions with technical staff. Room: N42 Demo. Sponsor: Information Systems.

12:00 p.m. - 2:00 p.m. – Science, Technology, and the Johannesburg World Summit. Delegates from MIT's Laboratory for Energy and the Environment (LFE2) and the Alliance for Global Sustainability (AGS) attended the United Nations' World Summit on Sustainable Development in Johannesburg, South Africa, this summer with this question in mind. The delegates included MIT Assistant Professor Bernhardt Trout, Karin Bäckstrand (a Wallenberg Fellow at MIT LFE2 from Sweden), MIT graduate student and Councilor of the World Student Community for Sustainable Development Diego Puppin, and LFE2's Program Assistant Karen Gibson. The panel will discuss their experience at the summit and its relevance to scholars concerned with understanding and addressing the problems that led to the need for the global gathering. free. Room: E40-496. Sponsor: Laboratory for Energy and the Environment.

1:00 p.m. - 5:00 p.m. – "TAs: A,X". Room: 68-089. Sponsor: 7.13.

1:00 p.m. - 6:00 p.m. – Rainbow Lounge Open. MIT's resource lounge for lesbian, bisexual, gay, and transgendered members of the community offers a place to hang out, various activities, and a lending library during its open hours. free. Room: 50-306. Sponsor: lbg@MIT.

2:00 p.m. – Admissions Information Session. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

2:45 p.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

3:00 p.m. - 5:00 p.m. – spouses&partners@mit: MIT Museum Tour. Join us for a tour of the "Holography: The Light Fantastic" exhibit (the world's largest collection of holograms) and the laboratory where they are made. We meet at 3 P.M. in the lobby of the Student Center (in front of LaVerdes) and walk to the museum together. free. Room: W20-Lobby. Sponsor: spouses&partners@mit, MIT Medical.

4:00 p.m. - 5:00 p.m. – HPCES Seminar. "Complexity and fragility in multiscale physics and networks". free. Room: MIT Rm 4-237. Sponsor: Singapore-MIT Alliance/HPCES.

4:00 p.m. - 5:30 p.m. – Academic Careers Panel Series. Panel Discussion on Surviving the First Year as an Assistant Professor. Panelists include: Robert C. Armstrong, Department Head, Chevron Professor of Chemical Engineering; Karen E. Willcox, Assistant Professor, Aeronautics and Astronautics; Jared Curhan, Assistant Professor, Sloan School of Management; and Ann Pearson, Assistant Professor, Harvard Department of Earth and Planetary Science. free. Room: MIT 10-250. Sponsor: Graduate Student Council, OCSPA, Provost's Office.

4:00 p.m. - 5:00 p.m. – SMA-HPCES Seminar. "COMPLEXITY AND FRAGILITY IN MULTISCALE PHYSICS AND NETWORKS". free. Room: 4-237. Sponsor: AeroAstro.

4:15 p.m. - 5:15 p.m. – Complex tiling: Breaking Translational Symmetry. Refreshments will be served at 3:30 PM in Room 2-349. free. Room: Room 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.

5:00 p.m. - 6:30 p.m. – Program on Human Rights & Justice Speaker Seminar. Is Impoverishment Avoidable?: A Risks Model for Population Resettlement. free. Room: Stella Room, 7-338. Sponsor: Program on Human Rights & Justice.

6:00 p.m. - 9:00 p.m. – Start-up Clinic. Discover how to present a plan to potential investors at the MIT Enterprise Forum of Cambridge's Start-up Clinic. Two pre-selected companies present their business plans and receive feed-

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

back from a panel of experts and the audience over an informal dinner. The key learning points include how plans and presentations are evaluated; what investors and evaluators look for, and how to fine-tune plans and presentations. The event will be held at 6 p.m. the MIT Faculty Club. Registration fee is \$35 for Forum Members and \$45 for Non-Members and includes dinner. Pre-Registration is Required. For more information or to register, visit: <http://www.mitforumcambridge.org/calendar/index.html> or call 617-253-8240. free. Room: MIT Faculty Club. 50 Memorial Drive 6th Floor. Sponsor: MIT Enterprise Forum of Cambridge, Inc.

7:00 p.m. – The Uluburun Shipwreck and Ancient Maritime Trade. The Uluburun shipwreck is the oldest known shipwreck in the Mediterranean. Its extensive excavation offers precious insights into seafaring, shipbuilding and trade in the Mediterranean region during the late 14th century B.C. Claire Calcagno reviews the research and excavation of the Turkish wreck site, based on her experiences as a member of the archaeological team from Texas A&M University. \$7/Adults, \$4/Seniors, Students and MIT Community. Current MIT Students w/ID admitted free. Room: MIT Museum Bldg N52 - Second Floor 265 Massachusetts Avenue. Sponsor: MIT Museum.

7:30 p.m. - 9:00 p.m. – Swing Dancing Lessons. free. Room: 36-156. Sponsor: Lindy Hop Society.

7:30 p.m. - 10:00 p.m. – MIT Women's Volleyball Club Tryouts. Come try out to play competitive volleyball. We compete in USAV tournaments throughout the fall and spring. free. Room: Dupont Gymnasium. Sponsor: MIT Women's Volleyball Club.

8:00 p.m. - 10:00 p.m. – IFILM Film Seminar. Screening of an international movie accompanied by a discussion about it. free. Sponsor: International Film Club.

8:00 p.m. – Weekly Wednesdays @ the Muddy Charles Pub. Meet your fellow social graduate students at the Muddy Charles Pub located in the Walker Memorial Building. What will be there for you? \$1 drafts, a variety of beers, wines and sodas, lots of free wings, Sox on the screen. Bring IDs. free. Room: Muddy Charles Pub. Sponsor: Edgerton House Residents' Association, MIT Entrepreneurship Center, TechLink, Wing It.

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Thursday, October 3

7:30 a.m. - 12:00 p.m. – Innovations in Product Development. This two-day executive program has been designed to share research results of the Center for Innovation Product Development. \$950.00. Room: Kresge Auditorium. Sponsor: Office of Corporate Relations/ILP. Center for Innovation in Product Development.

10:00 a.m. – Admissions Information Session. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

10:45 a.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

12:00 p.m. - 1:00 p.m. – Excel Quick Start. This course presents an overview of Excel's basic functions, as well as some of its more powerful features and capabilities. Room: N42 Demo. Sponsor: Information Systems.

12:00 p.m. - 1:00 p.m. – Introduction to Email at MIT. This quick start gives an overview of how email works at MIT and the different email protocols that are available. Supported programs for use at MIT are described, along with pros and cons of choosing one over the other, brief instructions on getting started, and pointers to more information. The "spam" email problem — and what can and can't be done about it — will also be presented. Room: N42 Demo. Sponsor: Information Systems.

12:00 p.m. - 2:00 p.m. – A Hacker Survey: Investigating the Dynamics, Motivations, and Practices of Open Source/Free Software Programmers. STS Brown Bag Lunch Seminar. free. Room: E51-095. Sponsor: STS.

12:00 p.m. - 4:00 p.m. – Rainbow Lounge Open. free. Room: 50-306. Sponsor: lbg@MIT.

12:05 p.m. – MIT Chapel Concert. Leonora String Quartet: Barbara Englesberg, violin; Edward Wu, violin; Kenneth Stalberg, viola; Joel Cohen, cello. Tison Street's Second String Quartet, tangos and more. free. Room: MIT Chapel. Sponsor: Music and Theater Arts Section.

1:00 p.m. - 3:00 p.m. – Conversational English Class. Join us for a free conversational English class for international students and spouses at MIT. Most attendees are women able to speak freely who desire to increase their English skills. Class covers a variety of topics including American culture and holiday descriptions. Free. Room: W11 Board Room. Sponsor: Baptist Campus Ministry.

2:00 p.m. – Admissions Information Session. free. Room: Admissions Reception Center, Building 10, Room 10-100. Sponsor: Information Center.

2:00 p.m. – Applying Population Genetics to Find Genes for Common Diseases. Studies of genetic variation in populations are revolutionizing human medical genetics. Although investigations in families can identify genes of strong effect that have a simple inheritance pattern, we know that most genes that affect common diseases do not behave in this way. The only approach that will work for these genes is to directly assess variation in populations and its association to disease. This requires studies of large numbers of unrelated people. However, to analyze such data, it is necessary to understand human variation. free. Room: 34-401B. Sponsor: EECS, HST.

2:45 p.m. – Campus Tour. free. Room: Lobby 7 (Main Entrance Lobby at 77 Massachusetts Ave). Sponsor: Information Center.

4:00 p.m. – Men's Soccer vs. Wentworth Institute of Technology. free. Room: Steinbrenner Stadium. Sponsor: Department of Athletics.

4:00 p.m. - 5:00 p.m. – Global climate models violate scaling of the observed atmospheric variability. Abstract available at Event Web Page. free. Room: 54-915. Sponsor: MIT Atmospheric Science Seminars.

4:15 p.m. – Top Picks for Emerging Biomedical Technologies. As part of its Biomedical Engineering Seminar Series, the Harvard-MIT Division of Health Sciences and Technology presents the last of three seminars on "Innovation Inspected: What Is New, What Is Hot, And How Do We Know Which Is Which?" This series has featured individuals from the news media and from licensing/funding organizations who have addressed the process used to accurately forecast trends in biomedical and other technologies. free. Room: E25-111. Sponsor: HST.

4:15 p.m. - 5:15 p.m. – Physics Colloquium. Title: "Collective transport: From superconductors to earthquakes". free. Room: 10-250. Sponsor: Physics Department.

4:30 p.m. - 6:30 p.m. – Multiple Roles for Women: Careers, Parenting, and Balancing the Two. First in a series on THE POLITICS AND TECHNOLOGY OF MOTHERHOOD. free. Room: E51-345 (Bowen Hall). Sponsor: Women's Studies Program, The Technology and Culture Forum at MIT. MIT Medical, the MIT Workplace Center.

5:00 p.m. - 7:00 p.m. – MIT Communications Forum: Creativity/Markets/Copyright. In this second of three linked forums, we will examine notions of copyright and ownership as they are evolving in the market place, among corporations, producers, and artists, and will speculate on the broader cultural implications of the new forms of creativity but also of control latent in digital technologies. free. Room: Bartos Theater. Sponsor: Communications Forum.

5:00 p.m. – Opening Reception–Manfredi Nicoletti: Architecture as a Metaphor for Nature. Exhibition showing Nicoletti's design philosophy through renderings, sketches, models, as well as symbolic images. free. Room: Wolk Gallery (Rm 7-338). Sponsor: School of Architecture and Planning.

7:00 p.m. - 8:00 p.m. – "It's All About People". Event about Team building. Pizza and drinks served. free. Room: 6-120. Sponsor: Science and Engineering Business Club.

7:00 p.m. – Colombia in 2003: What's At Stake?. Why did the Chicago Tribune say in a recent editorial that "more military intervention or aid to Colombia - under any guise - would be a serious blunder"? We will ask two Colombian peace activists to explain. free. Room: MIT 3-133. Sponsor: MIT Western Hemisphere Project. MIT Amnesty International.

7:00 p.m. - 9:00 p.m. – Conversations About Race and Diversity on Campus. A forum discussing The Tech's recent opinion pieces on the question of MIT's Office of Minority Education. free. Room: 4-163. Sponsor: Pangaea, Campus Committee on Race Relations (CCRR). Advocates For Awareness: Discussing Race and Diversity Issues on Campus.

9:00 p.m. - 10:00 p.m. – SAVE Meeting. Join us when we discuss environmentalism at MIT in all its aspects, including: assisting the MIT administration to improve environmental conditions; taking a boat along the Charles to clean it; trips to local nature reserves; and plants for the MIT community. free. Room: 1-246. Sponsor: SAVE.

Crossword Puzzle

Solution, page 21

THE ARTS

FILM REVIEW

Happy Times

A Touching Film About Fulfillment

By Nina Kshetry

STAFF WRITER

Happy Times

Written by Gui Zi, Mo Yan

Directed by Zhang Yimou

Starring Benshan Zhao, Lihua Dong, Jie Dong

95 minutes

Mandarin with English Subtitles

Do you really need a spouse or a lover in order to be content in life? Director Zhang Yimou conveys a message in a simple and refreshing manner in the new Chinese film *Happy Times*, with a style reminiscent of his previous film *The Road Home*. *Happy Times*, however, is more akin to a light drama/comedy than a romance. It works on a theme that has been used in many films before about the human need to love and be loved, but this movie's originality lies in the way the two main characters fulfill this need, and an adorable cast makes this movie very entertaining.

Looking for a wife, 50 year-old Zhao (Benshan Zhao) is ready to do whatever it takes to get married. He has tried to get married 18 times before without any success. As the movie opens Zhao is making another desperate attempt at marriage. Though Zhao is broke, he poses as a rich hotel manager in front of his girlfriend (Lihua Dong) in an attempt to secure her. His girlfriend then shoves off her blind, frail, and neglected stepdaughter, Wu Ying (Jie Dong), onto Zhao, telling him to get her a job as a masseuse in his hotel.

Until this point the movie is a little slow; however, the charm of this movie lies in the ensemble of characters that are Zhao's friends. His friends lead a hand-to-mouth existence, and they are completely satisfied with being poor. They have such a childish innocent aura about them, and it is adorable to see them in action. They transform an old warehouse into a masseuse parlor for Wu to work in. Everything from the texture of the walls in the room, to the sound of the street outside is crafted from junk. What starts out as an attempt to make Zhao look good in front of his girlfriend, turns into a desire to satisfy her neglected stepdaughter.

In this special world made especially for Wu, Zhao's friends pose as her customers, tipping Wu generously until Zhao uses his entire life savings. In playing this game Zhao and Wu find the fulfillment they have been searching for. Wu has escaped the torture of her stepmother and for the first time in her life experiences happy times, and Zhao has someone who cares about him and whom he devotes his time to pleasing.

This is the first major role for both Benshan Zhao and Jie Dong, and they both give extremely believable performances. Their relationship is not quite like father and daughter, but rather like two best friends with a 30 year age gap. The joking nature of the relationship lightens the film and compliments the compassion they have for each other.

The ending of the movie is abrupt and unexpected, and destroys the momentum that has developed until that point. Perhaps ending the movie on a more upbeat note would have been more appropriate, giving the audience the freedom to imagine the relationship developing further. In the end, none of the characters have been developed to the point where one knows them well enough to empathize with them when the tragedy occurs, and the relationship between Zhao and Wu is only in its beginning stages. Zhang Yimou seems to sacrifice depth of character in order to keep the movie simple, but the film has such a great set of characters that it could have gained a lot from developing a few of them. The audience would have felt connected with them in the end of the movie and extracted more meaning from the movie.

This film is not as culturally expressive as *The Road Home*; there are barely any scenes of Beijing city life. This gives *Happy Times* a universal feel in which to make a universal statement. Despite its flaws, *Happy Times* is a touching film that is worth seeing.

CONCERT REVIEW

Gato Barbieri

Sax Heats Kresge

By Allison Lewis

ASSOCIATE ARTS EDITOR

Gato Barbieri

Kresge Auditorium

Sept. 22, 7:30 p.m.

Gato Barbieri and his tenor saxophone made Kresge Auditorium come alive last Sunday night as part of the Cambridge City MusicFest. This weekend festival featured Barbieri, other well-known talents like Shirley Horn, and a few local bands, playing in areas around Cambridge to raise money for Agenda for Children, an organization that helps children in the area learn to read.

Opening for Barbieri was Hillary Noble, another tenor saxophone player, and his band Conclave (keyboard, guitar, and drums). Their sound combined African, Latin, and jazz beats and would be great to dance to. But, in Kresge's brown, airy, undercrowded auditorium, the performance lacked a certain intensity. Perhaps this was due to the dull crowd.

Still, Conclave was flavorful, and the keyboardist played along with funky 1980s tunes, like the ones programmed into my 15-year-old keyboard at home. Even more enjoyable was watching Hillary Noble make faces as if he was experiencing a hernia or labor pains while he ripped away at the bongo drums. Does it hurt to hit the drums so hard? Of course, there was also psychotic, crazy-cool saxophone. A member of the band starting swinging with his saxophone. (His head almost hit the floor!) As much as I enjoyed this, the crowd looked unimpressed, and, for me, without a vibrant audience, a show's not as good as it could be.

Gato Barbieri took the stage with attitude and style, like Speedy Gonzales. He wore a red shirt, black pants with slits, red socks, a black vest, black loafers, enormous shades, a black hat à la Blues Brothers,

and a camel-colored scarf. I wondered about the scarf — was it to lean his saxophone against? He looked like a shorter, more rugged Carlos Santana. Was he chewing gum?

He began with smooth, expressive sax playing, to a fast, Latin rhythm, punctured by his random shouting, "Hey! Hey! Hey! Hey! Hey!" His band played superbly, excitingly — a keyboardist, guitarist, drummer, and percussionist. With a red drumset, red electric guitar, and red bongo (single among two tan bongos), the band had an electrified, energetic sound combining Latin and jazz. Individually, each player made his own amazing sound, yet only one sound was heard behind Barbieri, like music on an album polished in the studio.

"Yaaaaaaayee!" And there was Barbieri again. Was he looking at me behind those dark frames? If he was anyone else, I would have thought he was weird, even creepy. But tonight, he was downright impressive with the smooth, intimidating stature of a bull-fighter.

Impressive to me, anyway. The rest of the audience? Barbieri wanted us to clap along, and the audience grudgingly obliged, clapping

off the beat. I didn't let it bother me.

I loved this stuff. The enthused keyboardist had more of that 1980s sound. The electric guitarist didn't just fall into his role, but at times, played like Pete Townshend, at times, like Dave Matthews. Most of all, I loved Gato's saxy sax. He was bold, almost brassy, and not afraid of anything. He wandered, cool, and calm, like he owned the stage. In fact, Barbieri continued to play from backstage, a voice from the heavens. A prophesy perhaps.

Gato Barbieri, the man. When he was twelve, he bought his first ratty saxophone, something not easy to find in Argentina in the 1940s. To fix the broken, out-of-shape sax, he bent the neck outrageously, so that he increased the airflow, and he blew very hard with a very soft reed to produce his signature, outstanding sound.

This trance-like sound filled Kresge's big brown auditorium Sunday night. Gato played *Summertime*, latinized. It was sexy and summery, like drinking lemonade on the beach, like someone you love rubbing oil on your back. It was a moment I could be content to stay in forever.

Kresge's big brown auditorium was heavy with Barbieri's trance-like sound. The audience was touched, in an emotional state. We howled for him. We bounced around our seats. Finally we couldn't sit still. We couldn't shut up. Gato Barbieri made some heat.



EDWARD PLATT

Jazz musician Gato Barbieri played last Sunday night at Kresge. The concert was part of the Cambridge City MusicFest, a weekend-long festival supporting a program supporting literacy for Cambridge children.

FILM REVIEW ★★★

Secretary

Or How I Learned to Stop Cutting Myself And Love the Whip

By Jed Horne

STAFF WRITER

Secretary

Written by Steven Shainberg and Mary Gait-skill

Directed by Steven Shainber

Starring Maggie Gyllenhall, James Spader,

Jeremy Davies

Rated R

I was excited about *Secretary* from the first time I saw a preview for it, but I was a little puzzled by how fascinated I was when I finally got to see it. It wasn't until about a quarter of the way through that I realized why: it was the film's titular psychotic, played with pin-point accuracy by relative newcomer Maggie Gyllenhall (pun intended). Her mannerisms — doe eyes, facial ticks, pitiable voice — reminded me exactly of this girl I knew in high-school, someone with a similar penchant for pain and an equally unhealthy obsession with a member of the opposite sex (namely, me).

Recipient of the deserved special jury award for originality at this year's Sundance, *Secretary* is certainly that — original. In his first wide release, director/co-writer Steven Shainberg takes a pair of taboo subjects, sado-masochism and sex in the workplace, and spins a deceptively endearing and hysterically funny story that remains biting despite being a little sweeter than I would have liked.

When Lee Holloway (Maggie Gyllenhall), an over-protected, dumpy masochist, is released from a mental hospital, her first order of business is to find a job. She quickly finds a perfect match in Edward D. Grey, Esq. (James Spader), a quirky lawyer who changes admin-

istrative assistants as quickly as he can light up the bulbs on the "secretary wanted" sign outside his office. Between work and dinners at the laundromat/diner with her loser fiancée (*Spanking the Monkey's* Jeremy Davies), Lee passes her time cutting herself and fantasizing about her boss. When she discovers that Edward has secrets of his own, Lee learns that true love knows no bounds, and that a good spanking is a pretty decent substitute for cuticle scissors.

Shainberg deserves credit for much of *Secretary's* success. Screenplays are rarely intelligent, sexy, and funny at the same time, and certainly the film's subject matter could have been hammed up or exploited for strictly prurient effect. It's the unusual movie that can see the tenderness of mailing a dead worm to a reluctant lover, or the sexiness of proofreading in red marker. James Spader is as good as ever — voyeurism is certainly nothing new to the star of *Sex Lies and Videotape*, and he handles a difficult role with plenty of poise. But the real show stopper is Gyllenhall. Despite a relatively short list of credits (including *Donnie Darko* and *Cecil B. DeMented*), she shows a knack for subtlety essential to the movie's success. And I don't know if it's makeup, clothing, or good acting, but her character (convincingly) goes from being merely cute to fabulously good-looking in less

than two hours. And damned if she isn't a dead ringer for my high school stalker.

My one beef with the film is the artistic direction. A few good shots and an eye for interior decoration give *Secretary* an original look, but choppy editing and a couple of annoying stop-motion shots are more aggravating than original. But there's enough going on here to earn forgiveness for a few mistakes. Keep an eye out for the young director Steven Shainberg. If this performance is any indication, you won't have to do the same for Maggie Gyllenhall — she'll be hard to miss.



BRUCE BIRMEIN—LIONS GATE FILMS

Maggie Gyllenhall plays the titular sado-masochist in *Secretary*.



JAAP BUTTENDIJK—MIRAMAX

Harry (Heath Ledger) leads the enemy army towards his own troops in *The Four Feathers*.

FILM REVIEW

The Four Feathers

Not Tickling Anyone's Fancy

By Kevin Der

The Four Feathers
 Directed by Shekhar Kapur
 Written by A.E.W. Mason, Michael Schiffer
 Starring Heath Ledger, Kate Hudson, Wes Bentley

When discussing the film *The Four Feathers*, it is probably enough to note that it was out-grossed at the box office in its first weekend of release by a movie based on a Game Boy Advance video game. For those few who might like to know more, however, not many words are needed to describe the example of abysmal filmmaking that is *The Four Feathers*.

The movie is based on the novel of the same name by A.E.W. Mason and is the fifth such film adaptation to date. Set in 1898, it follows Harry Faversham (Heath Ledger, *The Patriot*), a British officer whose father is a general. Engaged to a beautiful woman named Ethne (Kate Hudson), Harry is a highly respected soldier until he resigns from the army after discovering that he and his fellow soldiers are being sent to the Sudan to protect Egyptians against the invading desert armies of the Mahdi.

Subsequently shunned by his fiancée and fellow soldiers, Harry receives four white feathers from them symbolizing his cowardice, somewhat the antithesis of Crane's red badge of courage. From there, the branded soldier proceeds to disguise himself as an Arab, journey to the Sudan, and engage in all kinds of phony acts of heroism which destroy a plot which had somewhat made sense during the first fifteen minutes. The character of Abou Fatma (Djimon Hounsou, *Gladiator*) somehow surfaces as an escaped slave in the desert who helps Harry, though his motives are impossible to understand and his presence simply blurs the film further.

In terms of acting, Ledger's performance is not the worst part of this film, though it comes close. Compounded by the nonsensical storyline, Ledger's failed attempts to express emotion throughout the film result in the fact that the audience cannot care less whether he lives or dies. Not surprisingly, Kate Hudson's attempt to play the suffering maiden is also a disaster. Her contributions here cannot compare to her notable performance in *Almost Famous*.

The one acting performance with some credit belongs to Wes Bentley, who plays Jack Durrance, one of Harry's comrades who lusts after Ethne. Best known for his portrayal of the teenage drug-dealing cameraman in *American*

Beauty, Bentley offers the only adequate example of suffering in the entire film. In one concluding scene, however, Bentley is engaged in the most important moment of the film but fails to convey it properly due to the silly script and irrational dialogue.

Furthermore, the symbolism of the four feathers, the basis of the whole story, is both cliché and ineffective. It is employed in such a way that no one cares that Harry keeps the feathers as his continues along his path of suffering. It also seems that the film attempts to discuss the themes of religion, imperialism, hypocrisy, courage, and sacrifice all at once, but is unsuccessful on every level.

Visually, the film includes an ample amount of action sequences, including one in which British soldiers in a square formation fight off waves of armed Mahdi horsemen. Aside from this single scene, which is somewhat entertaining, the audience has no need to see unoriginal, pointless images of bloody corpses or infested prison cells filled with starving prisoners. This amount of graphil violence, somewhat surprising for the film's rating of PG-13, adds nothing to the movie.

In addition, it is no surprise that James Horner's musical score for the film is mediocre. Though Horner is an experienced composer, the only noteworthy works from his entire career are the scores for *Braveheart* and *Titanic*. In this instance, the composer uses piano during the love scenes involving Hudson and the standard brass for the action cues, altogether forming an unoriginal work of music, as one would expect for a film of such low overall quality.

After watching this film, it becomes obvious what results when combining substandard acting, a poor story, and inane dialogue. Instead of wasting money on a movie ticket, spend it on an overpriced salad. On a serious note, though, if you liked films such as *Jurassic Park III* and *Santa Claus Conquers the Martians*, you will greatly enjoy *The Four Feathers*.

MUSIC REVIEW

The Future That Was

Cynicism, Hope, and Nostalgia All in One

By Pey-Hua Hwang
 STAFF WRITER

The Future That Was
 Josh Joplin Group
 Artemis Records
 Release date Sept. 24

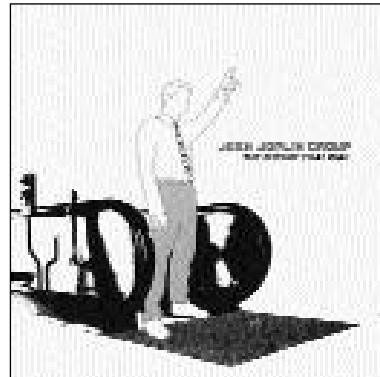
The *Future That Was* by the Josh Joplin Group covers territory covered many times before. It reflects upon finding oneself, missing loved ones, bitterness towards the idiosyncrasies of pop culture, and the safety in nostalgia. However, old themes can be given new life with the proper treatment and Joplin's dry humor, creative lyrics, and catchy choruses give this album a refreshingly new sound.

This is an album that knows how to love life and laugh at itself. In "Trampoline," Joplin sings about trying to figure out what to believe in, which is often the same thing as putting self-pity to music; however, Joplin avoids this age-old pratfall by being able to poke fun at his own predicament. With lines like "some people ... get their information from burning bushes, well I tried but the neighbors complained, I set their lawns aflame," it is very hard to help but chuckle at the silliness while relating to Joplin and recalling ones own youthful misadventures. The melody of this number also bounces along as crisply as a "Get In Line," a similarly well-done number by the Barenaked Ladies.

Continuing in the vein of the upbeat melodies of this album, "It's Only Entertainment," "The Wonderful Ones," and "Happy At Last" are full of references to the music industry (Michael Stipe, Fred Durst, Backstreet Boys) and popular culture in general (*Catcher in Rye*, *To Kill a Mocking Bird*, Pat Boone, and the ubiquitous use of "like" as a filler word). One could even make a game of trying to catch all of the subtle meanings behind the name dropping.

In contrast, the slower melodies speak honestly about human nature. The insights, such as "when a star is dying we all cling to what cannot last," are a genuine articulation of emotions that people grasp at words to describe. However, in its bleakest lyrics, "with every box you pack you feel like you could start crying at the feet of an angel that offers no mercy ... you still believe," this album is more an anthem to the future that will be rather than the future that was.

The first single off the album, "I Am Not the Only Cowboy," is not very characteristic of the rest of the album. The clever lyrics and solid accompaniment are still there, but the first couple of lyrics are spoken instead of being sung. Granted, the rhythm of the speech follows that of the acoustic guitar underlay, but in an album that otherwise contains no such speech singing it seems slightly out of place. A more fitting song for release as a single would have been "Happy



At Last."

My first introduction to Josh Joplin's music was when I went to see him live at the Harvard Square House of Blues, at the request of one of my friends. I wasn't expecting much when I saw a fairly average looking guy walk out on the stage with two guitars and around five harmonicas set up. However, his easy-going stage persona and substantial musical ability soon changed my mind. He played many of the songs off "The Future That Was" as well as his older albums, "Useful Music," and "Projector Head." What impressed me the most was that he could relay the same musical message with just an acoustic guitar and a harmonica that the album accomplished with a full back up band and the aid of a soundboard. In my mind, when a song can be carried by a solo act as well as a full band, that means that song was well-written. "The Future That Was" is full of these songs.

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CONCERT REVIEW

Soaring Strings, Magic Hands

Maestro Ali Akbar Khan and Zakir Hussain in Concert

By Sonali Mukherjee

Ali Akbar Khan
Kresge Auditorium
Friday, Sept. 27, 7:30

Classical Indian concert is not for those who impatiently seek instant musical gratification. In an age of three-minute pop songs, it almost seems impossible that anyone would even think about listening to a performance that could sometimes be more than three hours in length. With the expedient elevation to stardom virtually guaranteed for "American Idols," some people might consider it absurd that musicians would spend twenty to thirty years studying only one instrument before considering themselves fit to perform publicly.

However, the diligence and appreciation for Indian music still exists as strong as ever, as evidenced by the throng of audience members who eagerly packed a sold-out Kresge Auditorium last Friday night to hear the amazing Ustad (Maestro) Ali Akbar Khan perform in concert. A virtuoso sarod player, Ustad Khan was accompanied by the renowned performer Zakir Hussain on *tabla*. In addition, his two teenage sons, Alam and Manik Khan, played *sarod* and *tanpura* respectively, and George Ruckert, a professor in the Music Department at MIT, played both the *sarod* and *tanpura*.

Deepti Nijhawan, president of MITHAS (MIT Heritage of the Arts of South Asia), began the evening by promising the audience that regardless of whether they were novice listeners or a well-seasoned arts patrons, everyone was about to be treated to an evening of "pure magic."

The instruments that are used in an Indian instrumental concert contribute to the unique sound that characterizes Indian music. The *sarod*, which was first invented in the sixteenth century and later reinvented by Khansahib's father, Padmavibhusan Acharya Baba Allaudin Khan, is an instrument containing 25 metal strings on a fretless steel fingerboard.

The *tabla* is a set of drums used in North Indian classical music that is played by the tips,

sides, fingers, and heels of the hand to create a tonic tuned to soloist as well as a bass. The *tanpura* is a four-stringed drone instrument that plays the tonic and the dominant of the scale. The *tanpura* creates a *jawari*, or buzzing, that often lends to the well-recognized background of Indian classical music.

Melodies in classical Indian music are known as *rags* (a "male" melody) and *raginis* (a "female" melody). Ustad Khan (who is also affectionately known as Khansahib) began the concert by introducing the first melody of the evening as *Ragini Madhumalati*, which translates to "song of a flowering creeper." The first movement of a *rag* is known as *alap*, and is characterized by a very loose, abstract rhythm.

The *alap* of a classical *rag* contributes to the ethereality of Indian music because it essentially introduces every note in the *rag* in an *anibaddh* (non-metrical) fashion. The only instruments in the *alap* were the *sarod*, which was played by Khansahib and Khan, and the *tanpura* — the *tabla* was silent during this movement. The *alap*, in all its abstractness, is actually considered by some to be the most important part of a performance because it indicates the maturity of the performer. Khansahib, who just celebrated his 80th birthday, exhibited an overwhelmingly delicate, yet powerful presence during his performance of the *alap*. Using his *sarod*, he demonstrated his skill by gradually unfolding every note of the *rag* with extreme thought, care, and concentration.

The *rag* then moves into the *chor*, a movement within the *alap* that begins to introduce a feeling of *nibaddh*, or meter. The *tabla* still remains silent during this time, but the *sarod* begins to create a pulse that still has no definable meter. Khan contributed to the momentum of the *chor* by playing lovely octave jumps on his *sarod* that were overlaid by more intricate, increasingly metrical patterns by his father's *sarod*.

The *gat*, or fixed composition of the *rag*, began approximately thirty minutes into the *rag* and was signaled by the beginning Hussain's *tabla* accompaniment. The *gat* was played using a ten-beat *tal* (meter) known as *jhaptaal*.

Not only did Hussain keep the rhythm, but he also contributed many distinctive ornaments to the performance, such as a repetitive three-part compositions known as *tihais*. Hussain also amazed the audience time and again with the lightning-quick speed with which he played his *tabla*, all the while keeping full control of the *tal*.

Khansahib's style included improvisation, which he often exhibited by playing a quick scale-wise melody known as a *tan* and then challenging his son to repeat the melody on his own *sarod*, which Alam Khan did with fantastic flourish. A very interesting improvisation in the

parts of the performance was the call and answer improvisation in which Khansahib would suddenly create a melody and Hussain, Ruckert, and Alam Khan would simultaneously repeat the melody and the rhythm, all the while shaking their heads in amazement at the Ustad's talent.

Ruckert played with such passion that one of the strings on his *sarod* broke and needed to be replaced. Khansahib quietly settled the *rag* down until Ruckert was ready to play again, and then brought up the intensity level of the piece once more, continually playing increasingly accelerating *tans*. He kept the audience in delightful suspense about which *tihais* was going to end the performance, and by the time he did reach the end of the *jhala*, everyone in Kresge was already clapping in thunderous appreciation.

Many audience members agreed that the evening was a stellar success. Anoop V. Rao G, president of Sangam MIT's Indian Student



DEVDOOT MAJUMDAR—THE TECH

Maestro Ali Akbar Khan, on a tour celebrating his 80th birthday, played the *sarod* for a filled Kresge Friday night with *tabla* player Zakir Hussain.

gat was an octave separation between the two *sarod* players. Regardless of whether Alam Khan was deferring to his father's *sarod*, or whether Khansahib had more amplification than his son, the net effect when the two *sarods* merged was the creation of a haunting overtone that resounded throughout the auditorium.

Alam Khan was not the only performer with whom Khansahib had fun. Much to the delight of the audience, the Ustad would often unexpectedly change the emphasis of his melody, thus challenging Hussain to keep up and accurately place the *sam*, or downbeat, on the *tabla*. The *rag* ended in a *jhala*, or "sparkling" movement in which both *tabla* and *sarod* were played with increasingly accelerating speed. This movement brought the melody swinging forward with full force to its rousing conclusion, a skillfully executed *tihais* that brought the audience to their feet in a standing ovation.

Khansahib selected a light classical piece known as *Rag Pahari Jhinjoti* as the final melody of the performance. A combination of two different *rags*, this melody derives from a mountain folk song. It was performed as a trio of *sarods* played by Khansahib, Alam Khan, and Professor Ruckert. The *tabla* entered very early in the piece, in a speed of sixteen beats known as *tintal*. The trio of *sarods* took turns performing, with each performer skillfully lending a slow beauty to the music that even made notes going down a scale lovely and significant. A motif that reoccurred in the piece was a very simple scale that ascended stepwise from the tonic *sa* (or *do* in Western notation) to the subdominant *ma* (*fa*) and then descended one step down, ending on the mediant *ga* (*mi*).

Suddenly, the impossibly fast rhythms created by Hussain and the quick, repetitive *chikari* stringing of the *sarods* created a melody rich with rhythm and color that completely surprised the audience out of the peaceful mood initially created by the *rag*. One of the most moving

Association, put it most simply: "The five-minute standing ovation and applause for the octogenarian Khansahib after the concert concluded said it all."

Rupak Bhattacharya, a sophomore at Harvard, described the concert as phenomenal. "I think the interplay of music between the two generations was absolutely amazing," he explained enthusiastically.

Like Bhattacharya, many people commented not only on the talent of Khansahib, but also gave praise to the prodigy of his two handsome sons, sixteen-year old Manik and twenty-year old Alam.

"It's an honor to be able to go on tour with my father and my brother," said a friendly Manik Khan, exhibiting great humility even while giving his autograph to an excited mother for her teenage daughter. Manik, who is a senior at Drake High in San Anselmo, California, has been studying *sarod* since he was twelve, and only recently started playing the *tanpura*.

His older brother, Alam Khan, is a full-time student at the Ali Akbar Khan College of Music in San Rafael, California, which his father founded in 1967. Alam, who has been studying the *sarod* for eleven years, described his father as "a legendary musical performer for his time." When asked about what he thought about the quality of the performance, Alam responded very positively, also giving tribute to the concertgoers: "It's also wonderful to have a nice, responsive audience."

Ruckert commented on Khansahib's music as "traditional, but with a new take on the *rag*." During the first *rag*, "Khansahib performed in *chhadra* style, a style you don't hear often nowadays. And he stayed in that style for the entire *rag*!" he said. Ruckert, who serves as the Artistic Director of MITHAS, was also pleased with the success of the performance for MITHAS and Sangam, the two organizations that bring Indian classical music to MIT. Among the successes was the auction of the *tabla* that Hussain played that evening for \$3700.

Naveen Goela '03, who won the 2002 Peter Eloranta Fellowship to study *jawari* at the California branch of the Ali Akbar Khan College of Music over the summer, spoke of his experiences and his thoughts about the skill and effort required to become a renowned classical performer.

"Khansahib is a great person," he said, explaining how the Ustad would go about greeting every single one of his students at the school. "Khansahib is eighty years old ... some musicians will take twenty to thirty years to perform in public ... [and] fifty years to become a teacher. He would tell [the students] 'How long do you think it will take to please God?'"

In pleasing the audience last Friday evening with his talent, Ustad Ali Akbar Khan has done more than leave his mark on the classical Indian music scene at MIT — he has emblazoned it for many generations, both young and old, to remember.

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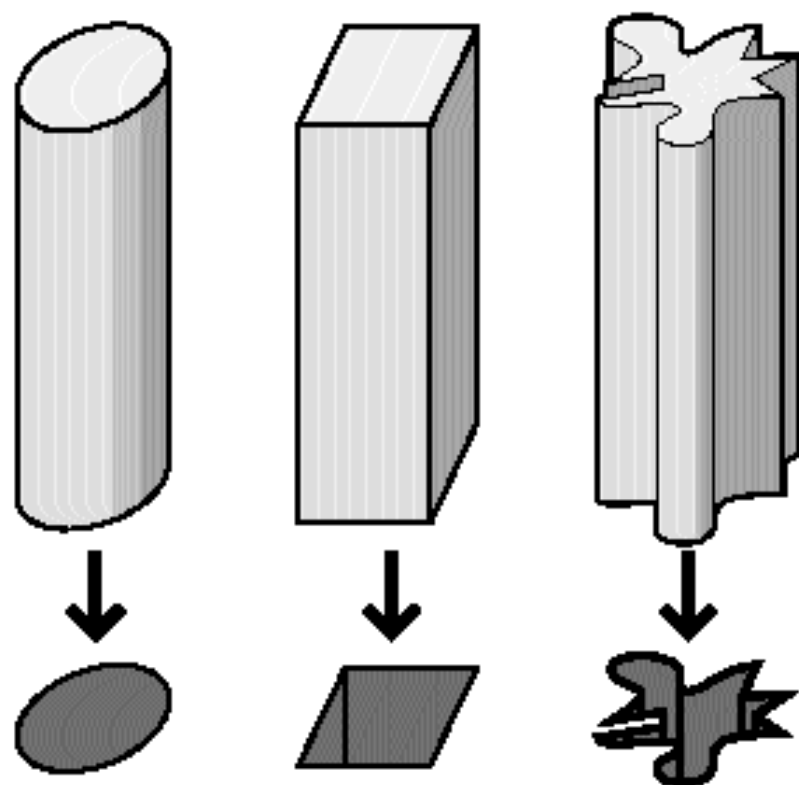
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Lobsters, Study Sessions Draw Students Off Campus for Rush

Rush, from Page 1

some have just had very good rushes all around." Owens said that LGC Rush Chair Emily M. Marcus G spoke to all six LGC member houses about their recruitment efforts.

Traditional events attracts many

Many houses have found that traditional rush events such as lobster dinners and day-long getaways continue to be successful at attracting large crowds.

However, for some houses, this may not necessarily be the boon it appears to be. A number of houses have noticed that the crowds tend to be those out for pleasure and not for pledging. "A lot of those attending the events do not seem to have the intentions as those who would have gone in the past," Yardley said.

"I have been finding that freshmen used to take the old system much more seriously," said Pi Lambda Phi member William J. Watt '04. "More are just people just shopping and are more interested in the activities" instead of the fraternities.

"This year, people who told themselves they aren't interested definitely do not show up to big events," Au said. He said that because there is not a void of other activities seen during previous rushes, freshmen are able to occupy themselves.

"This year we are losing many who may have joined. Ask many brothers and they'll say they never thought about joining a fraternity before coming here," Au said. "Now we suspect it's not the freshmen's priority. They can hang with their friends or do their problem sets."

Still, Yardley said that the crowds were a blessing. "The more we can get to events, the more we can expose them to our system and the more people who could potentially realize they [could live in an FILG]," he said.

Study breaks help sifting process

Other activities, usually centered around the middle of the week, tend to be more laid back and focus on assistance with work and studies. Most houses have

found these activities to be very beneficial.

Some groups have focused more time on providing weekday activities to nurture a relationship with potential members. "I know the big events we're still doing as attention grabbers, but as rush progresses, and freshmen are looking for companionship. ... The interaction-based events have definitely been key as rush goes on," Owens said.

Watt said that the activities weren't an efficient way of recruiting members. "Students here have a lot of determination to overcome it on their own. Plus it's a big load for the houses: they're tutoring everyone and not just the potential pledges. It takes out a lot of energy for the brothers," he said.

Au also said that when it came to study activities, fraternities on campus had a distinct advantage over off-campus houses. "They are attracting freshmen that we know and are friends of the house, because we are not on campus so many [freshmen] can't make it" to our events, he said.

"People who are thinking about joining get to come over for dinner it's really nice for people to see the house in an informal manner," Gottfried said. When comparing the benefits of both types of events at pika, she said, "I think the [two] are equally important."

Intensity of rush in flux

The events themselves have also shown a change in attitude compared to previous years. "It's just less intense because you can't do them for the entire weekend," Au said. "We have big and small events but fewer of them. In total, however, there is more effort and energy."

For some houses, rush has become much more intense, with members scouting dorm row for non-affiliates.

Several freshmen in Burton-Conner said that they saw a number of Pi Lambda Phi brothers in the dorm last Saturday night. "Brothers were just cruising around our floor and putting up fliers and talking to all the freshmen that were around," said resident Colin J. Whittaker '06. "I counted about two or three. Some

were walking around and seeing who were in their rooms. They were handing stuff out to us, seeing if we wanted to go."

Another resident of Burton-Conner recalled seeing seven brothers in the span of about three hours: two approached his room, three were on the ground floor speaking to other residents, and two different brothers were on his floor. Residents agreed that the brothers were not being invasive, but that they pushed to receive a definite answer.

"I don't think [scouting] is more heavily done than in past years; we just have a lot of contacts in Burton," Watt said. "Burton has a high freshman population, so that's been one of the focuses of the year."

Changes for next year conceived

Yardley said that the IFC would later examine what to change for next year. "There is still a lot of concern from the houses that the timing is detrimental and it would be better to have it earlier," he said. "We want to move recruitment back to the beginning of the term."

Watt agreed, saying that "There is also tremendous competition from classes. Especially right in the middle of rush, they get their first 8.01 test back. ... It's shell shock, a lot of valedictorians who fail the test and begin to buckle down."

Au argued that the system needs to be changed to equalize on- and off-campus houses. "They just have a huge advantage when it comes to staying in touch with freshmen, and it can hinder them from exploring more," he said.

Bids go out Friday

Bids can be formally given to students on Oct. 4. They may accept the bid starting Saturday, Oct. 5. Each house determines when it wishes to discontinue the acceptance of bids, though they must keep bids open for at least three days.

"There is no real time when rush officially closes," Yardley said. "I know some houses will be keeping their bids open for the year or even four years because of the circumstances."

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Solution to Crossword

from page 7

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The Ig Informal Lectures

Saturday, October 5, 1:00 pm
MIT 54-100, Cambridge (near Kendall T)

Two days after the **2002 Ig Nobel Prize Ceremony**, we are proud to host **The Ig Informal Lectures** here on the MIT campus. Please join us for a half-afternoon of improbably funny, informative, brief (10-15 minutes each), and high-spirited public lectures in which the 2002 Ig Nobel Prize winners in the following fields will attempt to explain why they did what they did:

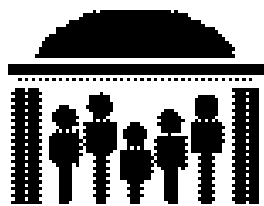
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The Ig Nobel Prizes honor people whose achievements "cannot or should not be reproduced." Ten prizes are given to people who have done remarkably goofy things— some of them admirable, some perhaps otherwise.

For more information on the 2002 Ig Nobel Prize Ceremony and the Ig Informal Lectures please see <http://www.improbable.com/ig/ig-top.html>

All Ig Nobel Prizes activities are organized by The Annals of Improbable Research.

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Detailed information on each group is available at <http://web.mit.edu/medical/mh/groups/> or by calling MIT Medical's Mental Health Service at 617-253-2916.

FSILG Recruitment A 'Priority' for DSL

Benedict, from Page 1

MIT community by the end of October.

Benedict continued by showing his enthusiasm about the openings of Simmons Hall and the Sidney-Pacific graduate dorm. He said the opening of the Zesiger Sports and Fitness Center "was very exciting."

In addition to campus dining and the Student Center renovations, Benedict cited off-campus living group recruitment as a major issue.

Benedict said that his "big priority is with FSILG recruitment" and that he would work with living groups during the following months to prepare for next September.

After Benedict concluded his speech, UA council members brought up concerns about this year's new rush policies. Dean's Office staff at the meeting said they were analyzing how everything unfolded during the rush events in order to plan for next year. They said that

rush was not only a two-week event but a transitional opportunity that lasts an entire school year.

Goals for graduate students

Although this was a UA meeting, Benedict wanted to touch upon the progress of improving graduate student life.

In the future, Benedict said he wanted to computerize the graduate student housing lottery to allow for an easier and more consolidated process like the system implemented for undergraduates.

Alcohol education also key

Benedict's goal regarding campus drinking issues for this year is to expand alcohol awareness and education.

He said it was important to "identify students early and get them the necessary assistance over at MIT Medical." These serious drinking problems could be solved if "we get freshmen early," he said.

'Minor' Violations Led To IFC Officer Dispute

IFC, from Page 1

ment.

Yu Eric Zhang '04, IFC new member programs chair, also resigned, but not in connection with alcohol sanctions. Zhang is participating in the Cambridge-MIT Institute program, Owens said.

IFC pushed for zero tolerance

The events leading up to McCaney's resignation began Sept. 4 when Yue "decided to escalate things ... and punish severely any infraction" regarding the fraternities and alcohol, McCaney said.

At this time, Yue described rumors of alcohol violations, though he declined to pursue them, McCaney said.

McCaney then decided to resign on Sept. 6, he said, but David Rogers, assistant dean and FILG

director, convinced him to reconsider.

In the ensuing days, several alcohol violations occurred at fraternity parties, and a committee consisting in part of IFC members returned suggested sanctions, which McCaney was happy with, he said.

McCaney said that the violations included not having enough party monitors and failure to remove empty alcohol containers in a timely fashion, which are minor violations, he said.

The IFC official confirmed that only minor violations had occurred.

The committee had produced some sanctions, which McCaney described as trying to "work with [the fraternities.]"

Yue sent the e-mail suggesting stronger sanctions yesterday.

Brian Loux contributed to the reporting of this story.

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Colombia in 2003: What's At Stake?

Carolina Aldana

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Eder Jair Sanchez

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**Thursday, October 3, 7 pm
MIT Room 3-133**

The speakers will discuss the on-going civil war in Colombia; the actions taken by the new Uribe government; and the impact of US policy on the lives of ordinary Colombians—who only want to be left in peace by all sides in this brutally violent conflict.

Sponsors: The MIT Western Hemisphere Project (<http://web.mit.edu/hemisphere>) and the MIT chapter of Amnesty International (<http://web.mit.edu/amnesty>). For more information, see <http://web.mit.edu/hemisphere/event/01-2002.html>

MIT Department of FACILITIES

CAMPUS CONSTRUCTION UPDATE

Building 7 ADA accessible entrance
Beginning on Tuesday, October 8, construction of an ADA accessible entrance to Building 7 will begin. Shrubs and trees on the north side of the 77 Mass. Ave. steps will be removed to make room for this entrance. Shrubs and trees will also be removed from the south side so that both sides can be replanted in balance upon completion of the project.

Mass Ave.
A survey of connections between MIT buildings and sanitary sewerlines on Mass Ave. is in progress. This work will take place along the sidewalks between Memorial Drive and Vassar St. Some temporary shutdowns of sanitary facilities in restrooms may occur in one or more of the following buildings: W1, W11, W13, W20, 1, 5, 7, 8, 33 and 35.

Pacific Street
Installation of a water main on Pacific Street running from Sidney Street to Albany Street may result in parking and traffic disruption in the area. Water service should not be affected by this work. Construction will continue for several weeks.

Hayden Library
The new circulation area is now open. Work on the 24-hour study space continues; this space will open later this fall. The after-hours book drop will be installed in October. Signage and lighting for the main entrance are nearing completion.

Vassar Street
The reconstruction of Vassar Street necessitates that the entrance and exit lanes under Building 38 be changed temporarily. The regular entrance lane is now closed to allow work in the roadway and will continue to be closed for several days.

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

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For further information, contact pauleynolds@mit.edu





JUSTINE WANG

An MIT player passes the ball in last Wednesday's water polo match against Brown. The Engineers won 7-6, putting their record at 7-6 after Saturday's 17-1 victory over Fordham.

Fall Festival Kicks Off Friday

By Lakshmi Nambiar

"Oktoberfest" is coming to MIT this weekend, as Fall Festival returns with a German theme, three rock bands, and a Saturday carnival.

This weekend's events, starting Oct. 4 and finishing Oct. 5, begin with "Oktoberfest" on Friday and end with Sigma Kappa's annual "Late Night" talent show.

"Lots of groups have been helping out and we're hoping that about 400 to 500 people show up through the course of both days," said Thomas E. Robinson, a program coordinator for Residential Life and Student Life Programs, one of the Fall Festival organizers.

"It rained a little last year, so the numbers were slightly lower," Robinson said. "This year, we're expecting more people."

"Oktoberfest" will feature German-themed activities and crafts, a DJ, and German food at the Kresge barbecue pits from 2 p.m. to 6 p.m.

Saturday's carnival will feature a free food and rides along with a DJ. "The carnival includes a joust, sumo wrestling and an inflatable obstacle course," Robinson said.

Senior House hosting concerts

In addition to Friday and Saturday's events west of Massachusetts Avenue, Senior House is hosting three rock bands Friday night.

"We particularly wanted a balance of events on both sides of campus. So, we have events at Kresge, along with events on east campus, at Senior House," Robinson said.

Beginning at 7:30 p.m., Senior House will host "Eine Kleine Nachtmusik" in the courtyard, featuring Boston-based bands Chauncey, Mobias, and Sugar Daddy.

Senior House resident Irene E. Brisson '05 served on the committee that helped choose the bands. "They include punk-rock and Radiohead-esque music," Brisson said. The concert will also feature Cuban food.

Many acts lined up for Late Night

The Sigma Kappa "Late Night" talent show will be held from 8 p.m. to 11:30 p.m. on Saturday in Kresge Auditorium. Christina M. Bonebreak '05 and Whitney B. Gaynor '04, members of Sigma Kappa, are the co-chairs of the talent show.

"There will be a large number of bands performing this year, more than usual, about 20 acts," Gaynor said. "We also have dancers and a guest appearance by the Chorallaries," Gaynor said.

"The grand prize for the talent show is a trip to Disney World," Gaynor said. "We're expecting to fill Kresge Auditorium. So far, all the acts are MIT undergrads and we want a large crowd."

Doors open at 7:30 p.m., and tickets are available this week for \$5 in Lobby 10 or \$6 at the door

Saturday night.

Planning began in May

A committee of students and two RLSLP Program Coordinators, Robinson and Linda D. Noel, began discussing the event in May and have been planning throughout September.

"This is an event for the community, a chance for students to have a

safe, alcohol-free activity," Robinson said. "It serves as a study break and should be a lot of fun."

Fall Festival is sponsored by the Dean for Student Life and RLSLP. Events have also been coordinated by Delta Tau Delta, the Interfraternity Council, MacGregor House, the Panhellenic Association, Senior House, and Sigma Kappa.



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Worcester State Defeats MIT Football, Repeating History

By Tom Kilpatrick
TEAM MEMBER

The MIT football team was defeated 35-6 by Worcester State College this past weekend.

In a repeat of last year's game, MIT visited the undefeated Lancers on their homecoming. Unlike last year, however, the Beavers entered the game on a two-game winning streak and ranked third in the Boyd Division of the New England Football Conference. Nevertheless, the Lancers proved again to be too much for the Beavers, compiling 527 yards behind an offense which includes two of the NEFC's best running backs, and a quarterback ranked first in total offense.

Beavers trail 21-0 at the half

The Beaver game plan was to throw the ball early and often, softening Worcester State's red defense. In the first quarter, quarterback Alexander T. Karnal '03

led MIT to several first downs, but was unable to get past midfield.

On defense, the Beavers stopped the Lancers' first drive, but Worcester State struck its first blow when Jeremy Gaucher returned R. Matt Ramirez's '06 punt 28 yards to the MIT 25-yard-line with 5:36 left in the quarter. Just three plays later, Lancers' back, Greg Wood, rushed 16 yards for the touchdown. After the extra point, the Lancers led 7-0.

The Beaver offense stalled on its next two drives and Worcester State struck again with 12:43 left in the half. Wood completed a four-play, 78-yard drive with his second touchdown of the game. Then, with 2:05 left in the half, Lancer quarterback Cean Oskanish completed a 13-yard pass to put MIT in a 21-0 hole.

The best Beaver drive of the half came on the next possession. Starting at its own 18-yard line, MIT drove to the Worcester 29. The key plays were a 22-yard rush by fullback Ryan J. Lanphere '06

on third and long, an eight-yard rush by Philip M. Deutsch, and a 12-yard pass from Karnal to tight end Keith V. Battocchi '02. With six seconds left, Ramirez attempted a 37-yard field goal, but it was wide right and MIT broke for half-time, still trailing 21-0.

No relief for Beavers

The Lancers had the ball to start the second half, and they drove to the Beaver three-yard line before MIT's Mark D. Boudreau '05 recovered a crucial fumble. Sensing the opportunity, MIT drove 90 yards downfield in 17 plays, but could not get the touchdown it needed when a pass fell incomplete in the end zone on fourth down.

After a big stop by the Beaver defense, MIT finally scored its first and only touchdown when Deutsch made a great cutback and broke away for a 50-yard score, cutting the deficit to 21-6. Unfortunately, MIT was unable to score again, and Worcester's big-play

offense hit twice more, making the final score 35-6.

Deutsch leads shaky offense

The Beaver offense had trouble all day pass-blocking against Worcester's quick defensive linemen and linebackers, especially on the astroturf surface. However, Karnal, ranked third in the NEFC in total offense, still completed 15 of 37 passes for 135 yards. Battocchi, too, had a big day, pacing the MIT receivers with six receptions for 62 yards.

Tom Kilpatrick '05 entered the game as the NEFC's seventh-ranked receiver, but struggled against Worcester corner Jason Garrett's man coverage. Kilpatrick only caught four of 15 intended passes for a total of 56 yards. Warren Chia '05, Kurt Josephson '06, and Deutsch combined for five catches.

The star of the offense again was Deutsch, who entered the game as the NEFC's 4th-leading running back. He had his second

straight game with 100 yards rushing, netting 119 on 31 carries.

Freshman Lanphere, out of the heralded Mater Dei program in Southern California, added some punch with 60 yards on seven carries. Reflecting how much the Lancers threw the ball downfield, the MIT defense's three leading tacklers were corners Boudreau and Corey D. Carter '03, and safety Brian D. Hoying '03, combining for 18 tackles.

David A. Blau '06 and Rich D. Park '05 came off the bench to add some pop in the secondary, combining for three more tackles. Freshman defensive linemen Kevin M. Yurkerwich and Brennan P. Sherry played hard against the huge Lancer offensive linemen, combining for eight tackles.

In the end, the Beaver offense's red zone ineffectiveness combined with the Lancer scoring machine were too big a hurdle to overcome. Now at 2-2, MIT comes home this week for its first Boyd division game, against Curry.

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STANLEY HU—THE TECH

Stephen K. Maltas '06 holds off a competitor in Saturday's Codfish Bowl Invitational to finish 9th overall. Maltas posted a time of 26:07.4 to help the men's cross country team secure their victory over 16 other schools.



ERIC J. CHOLANKERIL—THE TECH

John D. Griffith '05 fights off Wheaton senior forward Jason Percy. MIT lost Sunday's soccer game to Wheaton, 4-3.

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SPORTS

Salem State Defeats MIT SoccerBy Melissa Hart
TEAM COACH

The MIT women's soccer team secured their fourth shut-out of the season, but also dropped their first game in a tough two weeks of non-conference play.

MIT was handed their first loss of the season in a dramatic, double-overtime contest at Salem State on Thursday, September 19. The two teams battled back and forth under both the lights and a scoreboard which read 0-0 until the 104th minute of play. It was then that Salem State capitalized on a secondary misclear by MIT for the game-ending goal.

MIT's style of settled play handicapped them against a speedy and aggressive Salem State team, whose main method of attack was to "kick and chase." The Engineers, normally solid, were worn by the end of regulation as a result of very physical

play.

Going into the match, Salem State was ranked 8th in New England Division III polls, just above MIT. The loss, which put MIT at 3-1, was an unfortunate one for the Engineers, who saw an opportunity to move up in the rankings slip painfully away.

MIT shuts out Westfield

With the sour taste of the loss to Salem State in their mouths, the MIT squad travelled to Westfield State to take on another solid team, this time on artificial turf.

The first half saw MIT struggle with the pace of the game on the astroturf surface. The team was only able to buy time behind the defensive effort of seniors Rebecca E. Clinton '03 and Sheila E. Saroglou '03, Airis Yonekura '05 and Juthica B. Mallela '06. At halftime, however, MIT regrouped and scripted a game plan for more energy and aggression near the goal-mouth.

Ten minutes into the second half,

freshman Diana K. Sterk came off the bench to spark the Engineers and put the plan into action. Sterk's spectacular charge down the sideline ended with a well-placed cross to Shirley Chan '04 who cut through the middle of the box and drove the ball past Westfield's keeper for the first goal of the game.

Inspired by Chan's goal, MIT dominated the rest of the game. In the 74th minute, junior midfielder Monica F. Morrison emphatically "struck goal" by beating three consecutive Westfield defenders and the goalkeeper, single-handedly.

In the next four minutes, MIT would put the game away and leave Westfield in a daze as Morrison struck again, this time off a corner kick by Clinton. Junior Candace N. Wilson followed suit, collecting a pass from Sarah E. Mendelowitz '03 and beating the goalkeeper for MIT's fourth and final goal.

The Westfield win improved MIT to 4-1 on the season.

MIT Women's Tennis Remains Undefeated

By Caroline Tien

TEAM MEMBER

The MIT women's tennis team stands undefeated (6-0) on the season, having swept three solid opponents in their last two weeks of play.

On Sept. 17, the team put Clark University away with an aggressive 9-0 victory.

It was a swift defeat, with MIT losing only eight games total in both doubles and singles play.

MIT took a dominant lead early on in doubles action with pair Shima Rayej '04 and Jill L. Konowich '06 winning 8-0. Caroline Tien '04 and partner Jaelyn E. Cichon '05 similarly creamed their opponents 8-1, and Jen J. Lee '03 Sarah E. Nelson '06 did not drop a game to win 8-0.

The MIT women were unremitting as they continued into their singles matches. Senior Julie J. Koo used a combination of aggression and placement to easily win 6-0, 6-1. On the neighboring court, Rayej walked away with a clean 6-0, 6-0 victory. Tien and Cichon were also victorious in singles play, securing their matches 6-1, 6-1 and 6-0, 6-0 respectively. Konowich rattled off well-placed shots to win 6-0, 6-1, and Lee fought back from a rough beginning to win her match 6-3, 6-0. Nelson won 8-0 in similar fashion.

Next, MIT played Springfield College and emerged victorious 9-0. Scores from the match are still pending.

MIT grapples with Wellesley

When MIT met rival Wellesley College last Tuesday, the teams

were tied for the number-one spot in the conference. However, the Engineers prevailed, winning the match 6-3.

Doubles started off aggressively with partners Koo and Larisa M. Egloff '04 wining 8-3. In a hard-fought match, Rayej/Konowich fell to Wellesley 9-8. On the next court, Tien/Cichon exercised control and patience for their easy 8-1 victory. Despite a series of well-placed shots, Ruby J. Pai '04 and Natalia M. Arzeno '06 lost 8-4.

Up by just a point after the doubles matches, MIT had to fight with great heart in singles action to secure the win.

Koo again led the way. After coming back from a tough first set, she stepped up her play in the second set and ultimately won 7-5, 6-2. Alongside her, Rayej battled a fierce opponent who managed to return every single ball. Rayej lost her match 6-4, 6-2. Tien faced a similar Wellesley player, and although she maintained her patience throughout the match, she lost 6-2, 6-3. Only Egloff was able to stomp on her opponent. She won in 6-2, 6-3.

The focus then shifted to the two long grinder matches that gave MIT the points it needed to win. Engineers, Cichon (4-6, 7-5, 6-4) and Konowich (4-6, 6-4, 6-4) won their series while Lee lost in another tough three-setter. Nelson, meanwhile, was quick to wipe-out her opponent with a 6-1, 6-1 victory.

This week, the team will travel to both Brandeis and Tufts for two tough matches. On Saturday they will face WPI at 1 p.m. on the MIT home courts.

Athlete of the Month**Noelle J. Kanaga '06**By Helana Kadyszewski
SPORTS EDITOR

Hailing from Tower Hill School in Greenville, Del., Noelle J. Kanaga is a freshman at MIT studying business and French. Currently a starting forward on the varsity women's field hockey team (her sister Tiffany A. Kanaga '04 is the goalie), Noelle also plans to play lacrosse for MIT. Her main athletic interest, however, is in karate. Noelle recently competed at the USAKF National Karate and Jiu Jitsu tournaments in Akron, Ohio and brought home three gold medals. Previous to that, she was recognized by the Karate Hall of Fame as Junior Female Athlete of the Year. During a recent training session with Tokey Hill at the Olympic Training Center in Lake Placid, NY, she was approached by YM magazine for an article which appeared in their October 2002 issue. This November, Noelle will compete in the World Karate and Jiu Jitsu Championships in Uruguay.

The Tech: So when did it all start?

Kanaga: My mom and dad enrolled me and my sister in our first karate class when I was four and she was six.

TT: Wait a minute, no ballet?

Kanaga: Actually, I was doing tap and jazz and ballet at the time. I had done gymnastics for a period, too.

TT: When did you decide to abandon your tu-tu and stick with karate?

Kanaga: Honestly, I didn't like it at first. I was small and very emotional. I didn't like getting picked on by the boys in class. I wanted to do the ballerina thing. But my parents encouraged me. Soon, I grew into my body and learned to love karate. Since then, that's where I put most of my time and effort.

TT: And you got good fast, no?

Kanaga: Yeah. I was doing pretty well at age eight. Then, at age 10, I started fighting grown men and it was back to square one.

TT: Does it ever get dangerous?

Kanaga: Oh, there are plenty of horror stories. At my last tournament, a girl was coming in to punch me, but it was slow, so I hooked it and twisted her wrist/arm. She fell back and landed strangely and had to be taken away by the medics.

TT: I see. So you're a bully.

Kanaga: (laughs) No. Things like that happen all

the time. I mean, for the World Games, people are getting stitches in their faces between points.

TT: How about you? No horror stories?

Kanaga: (laughs) No. Nothing too bad. My worst injury, knock on wood, was before preseason, last year. I was sparring with my instructor and he double-pumped a kick. The second one caught me in the eye. Blood was shooting out of the lid and it swelled from underneath. It was swollen shut for two days. My field hockey coach wasn't too pleased.

TT: How will you prepare for the Worlds in November?

Kanaga: Well, I try to train on my own or with my sister at least an hour each day. I just booked my first trip to Ohio, which is where my coach and training partner are. We'll get four days over the long weekend and probably train for a good 12 hours each day. We'll have to get at least 4 good weekends in, ideally 8.

TT: Doesn't sound like there will be much time for homework.

Kanaga: I know. I know. I'm good at cramming things onto my plate. My advisor thinks I'm a little bit crazy running for [Class of 2006] vice president on top of it all, and I am a little worried about this MIT workload. It'll all be worth it though.

TT: So after you win the Worlds, what's next for you?

Kanaga: I'm just crossing my fingers that we even medal. The U.S. hasn't medaled in decades. Beyond that though, if Jiu Jitsu is placed in the Olympics for demonstration in 2004, I'm supposed to be on the team that will compete to represent the U.S. ... which would be unbelievable. I mean, I'm only 18 as of last Friday.

TT: Now, was the YM thing a big deal for you?

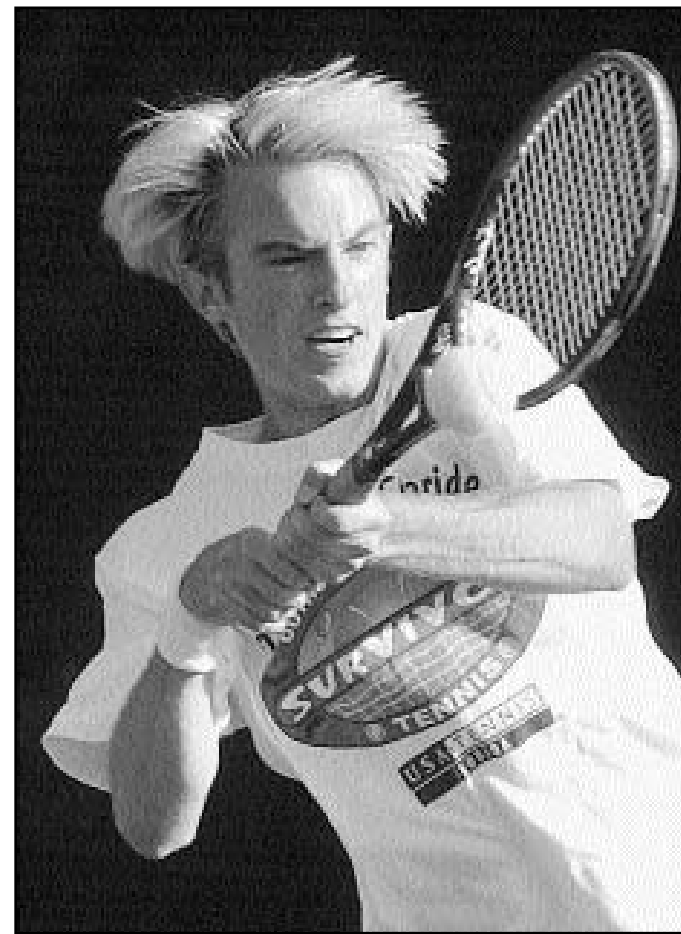
Kanaga: I think so. It certainly got my name into the public. It's really hard for us to get recognition for what we do, and having an article in there was pretty big, especially since I read YM and so do my friends.

TT: And how's field hockey going?

Kanaga: Well, It's been a little bit frustrating because I came from a high school that sent quite a few girls to Division I field hockey programs. But I absolutely love the group of girls and the coach, and we won our first game last week. We needed that to prove to ourselves we could do it. There's a lot of potential on that team.



SCOTT JOHNSTON—THE TECH



AARON D. MIHALIK—THE TECH

Evan W. Tindell '06 backhands a ball during the singles final of the New England Intercollegiate Tennis Association Championship over the weekend. Tindell took first in the singles competition; MIT took both first and second place in the singles and doubles tournaments.

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UPCOMING HOME EVENTS

Tuesday, Oct. 1

Women's Volleyball vs. WPI, 7 p.m.

Thursday, Oct. 3

Men's Soccer vs. Wentworth Institute of Technology, 4 p.m.

Friday, Oct. 4

Women's Volleyball — Bates College Invitational, 5 p.m.