

## Phi Delta Theta and Sigma Nu Will Be Alcohol-Free by 2000

By Carina Fung  
STAFF REPORTER

Two national fraternities, Phi Delta Theta and Sigma Nu, have decided to ban alcohol in chapter houses. The fraternities are planning to sign a joint agreement this month to make their chapters alcohol-free by 2000.

Officials from the two fraternities, which both have local chapters at MIT, said that too often, the fraternity experience is defined by alcohol. They also stated that local chapters not following the mandate will be in danger of losing their charters.

The general counsel for PDT, Robert Manley, said that when universities allowed alcohol in dormitories in the 1960s, "alcohol rose to a new level of prominence in the fraternities, in part to compete with the dormitories." He added that alcohol has become, in many fraternity chapters, "too much of a good thing."

The alcohol-free policy was introduced to the MIT fraternity community by Assistant Dean for Residence and Campus Activities Neal H. Dorow, who also serves as adviser to fraternities, sororities, and independent living groups. Dorow presented the issue at a meeting last night with the Interfraternity Executive Council. The policy was also discussed at last night's regular

President's Council meeting.

### Effects on rush and social life

Manley said that fraternities which go alcohol-free may no longer attract members "who consider alcohol to be the most important aspect of college life," but these fraternities will now attract more members "who think academics are more important."

MIT currently has a dry rush policy, and therefore this new policy should have no large effect on rush, said Interfraternity Council President

and Phi Kappa Sigma member Iddo Gilon '98. The only change is that previously, only the IFC would issue a fine if dry rush rules were broken. Now the national headquarters of PDT and SN would step in if an incident were to arise, he said.

In terms of rush, the new policy may be a letdown even for casual drinkers, yet it will probably attract several people who would not otherwise consider living in fraternities because of the negative stereotypes

Fraternities, Page 13



JIRI SCHINDLER—THE TECH

The combined brass choir, consisting of the MIT Brass Ensemble and the Brass Quintet and conducted by Lawrence Isaacson, closes the Tuesday night concert at Kresge Auditorium with "Mars" from *The Planets* by Gustav Holst.

## Around 1,900 Offered Admission To Next Year's Freshman Class

By Frank Dabek  
ASSOCIATE NEWS EDITOR

Approximately 1,900 acceptance letters were mailed to potential members of the Class of 2001 Wednesday, launching the admissions process into its final stage.

A lower number of women, 41 percent, was admitted this year when compared with the previous two years. The total number of applications was also less this year than last, but more students are predicted to accept their offers this year, said Dean of Admissions Michael C. Behnke. Further, statistics were incomplete as of last night.

Roughly 24 percent of applicants were accepted this year, nearly equivalent to last year when 1,894 applications were accepted.

The number of applications was down this year from last year's total of 8,023. The number of applications was lower at nearly every Ivy League college, Behnke said.

This decrease can be attributed to the proliferation of binding early decision programs, Behnke said. "We'll have to look into what the effect of [early decision] is," Behnke said.

Early decision programs require students to attend their first choice school if admitted early. This may cause students to apply to fewer colleges, Behnke said.

### Female admissions down

Of the prospective students in the applicant pool this year, 41 percent are female. That statistic is down from last year's total of 43 percent and the record 45 percent total two years ago.

Behnke said that the Admissions

Office is trying to increase female admissions to MIT. "Applications from women increased dramatically in the past three or four years," Behnke said. However, "for a primarily engineering school, 40 percent is quite spectacular," he said.

The number of underrepresented minorities in the applicant pool remained about constant at 18 percent.

The number of international students admitted this year was down to 105 from 115 last year. MIT enforces a quota on the number of international students it accepts and lowered the number this year after exceeding the quota last year, Behnke said.

### Predicted yield slightly higher

This year's yield, the number of

students who decide to attend MIT, was predicted by Behnke to be 56 percent. This number is higher than the yields in previous years.

This is another result of early admittance programs, Behnke said. MIT admitted 525 students under the early action program this year, more than usual. This trend of greater numbers of early admits was common at most of MIT's competitor colleges, he said.

Statistics on mean SAT, class rank, and other categories were not available as of last night.

## INSIDE

■ John Perry Barlow discusses Internet rights and security. Page 11

■ Guitarless Ben Folds Five's piano sound is interesting and entertaining. Page 7

■ On the Town Page 9

■ Comics Page 8

## Microsoft Word Macro Viruses Infect Campus Computers

By Thomas R. Karlo  
EXECUTIVE EDITOR

Viruses that infect Microsoft Word documents are affecting MIT computer users in increasing numbers, according to Gerald I. Isaacson, MIT's data security manager.

The viruses depend on the increasingly powerful macro language included in software such as Microsoft Word and Excel. These programs allow operations such as copying, deleting, and editing files to be performed without user interaction.

Incidents of the virus infecting computers have come from many different departments. "I get approximately one to two calls a day" requesting assistance dealing with the virus, Isaacson said. "The macro viruses spread very, very rapidly."

"Macro viruses are not really new, but there's really been a tremendous increase in the past year," Isaacson said.

The viruses affect all computer platforms that run Microsoft Word, infecting both PC-compatible and Macintosh computers. Although the possibility of such viruses being written was first noted by researchers in 1989, the first time such a virus were seen "in the wild" was in 1995, when the Word Macro Virus Concept was discovered.

### Macro viruses particularly sneaky

Macro viruses are seen as particularly problematic by security experts because they are transmitted inside documents, rather than applications. "While users rarely share [programs] or boot from diskette, a large part of their job involves the exchange of data files," according to a 1996 report by the National Computer Security Association.

The increasing power of macro languages in pro-

Virus, Page 13

## At Meeting, Faculty Discuss Writing Skills

By David D. Hsu  
EDITOR IN CHIEF

A motion that would recognize the need for a communication requirement was introduced at the monthly faculty meeting on Wednesday.

The proposal results from work done by the Committee on the Writing Requirement in examining the Institute's current writing requirement.

The faculty motion, which was proposed by Chair of the Faculty Lawrence S. Bacow '72, will be up for a vote in the faculty meeting on April 16.

The proposal serves two purposes, said Dean for Undergraduate Curriculum Kip V. Hodges PhD '82, chair of the committee.

"First, the faculty admit formally that we have a problem" with the writing requirement, Hodges said. Secondly, such a resolution would show that the faculty recognize that the problem needs to be addressed.

The proposal would not commit the faculty to any specific plan, Hodges said.

However, the resolution would call on the faculty to "direct the Committee on the Undergraduate Program to conduct a series of experiments and pilot programs to inform the final design of a new communication requirement," the proposal said.

### Committee identifies problems

Through their work looking at

the writing requirement, the Committee on the Writing Requirement found that "writing and speaking are becoming more important in the lives of scientists and engineers," Hodges said.

However, MIT is not contributing enough to the improvement of those skills. A random sampling of MIT juniors found that 15 to 20 percent enter MIT with deficient writing abilities, Hodges said. By junior year, 25 to 30 percent have inadequate writing skills despite having passed the Phase I writing requirement, he said.

The committee also found that there was no correlation between writing skills and grade point average, Hodges said. This "emphasizes that the present culture at MIT clearly does not reward students working to improve their writing abilities," the committee's report said.

The committee was unable to devise a specific model, Hodges said. Experiments would need to be conducted to determine what works, he said.

The experimental programs would include communication-intensive freshman seminars, Humanities, Arts, and Social Sciences subjects, and practica attached to both engineering and science subjects, Hodges said.

After the faculty passes the resolution, a special subcommittee of

Faculty, Page 15

# WORLD & NATION

## House Rejects Funding For Campaign Probe

THE WASHINGTON POST

WASHINGTON

In a sharp rebuke to Speaker Newt Gingrich and the Republican leadership, the House on Thursday rejected a resolution that would have provided millions of dollars for an investigation of campaign fund-raising abuses.

By a vote of 213 to 210, the House refused to consider the \$170 million resolution, the basic legislation needed to fund the chamber's normal operations.

A proposed 50 percent increase for the investigating committee headed by Rep. Dan Burton, R-Ind., was the most contentious item in the resolution, ensuring a solid wall of Democratic opposition.

The key votes to block the funding resolution were cast by 11 GOP conservatives dismayed because it included increases in committee budgets.

The dissenters insisted that their votes did not imply disapproval of the campaign fund-raising investigation led by Burton, the subject of recent news reports that he improperly pressured a lobbyist to raise money for him. Burton has denied any wrongdoing.

## Looting, Lawlessness Rule Albania City's Streets

LOS ANGELES TIMES

GJIROKASTER, ALBANIA

Here in the hometown of Albania's new prime minister, armed men had been having a field day emptying the central bank of its money — the salaries of hospital employees, teachers and state workers — and shooting into the air to ward off the curious.

On Thursday, police finally stationed an armored van in front of the ransacked building, ending — at least for the day — the looting that had gone on the three previous days.

In slate-roof homes on the medieval streets that wind up from the bank, residents huddled around living room tables, avoided going out at night and shared the latest stories of dire happenings.

"Criminals," said a religious worker as gunfire popped all around. "The criminal fraternity is in charge here."

Gjrokaster, about 90 miles south of Tirana, was the last city in southern Albania to be swept up in a chaotic national insurrection that is part political, part lawlessness. It remains tense and shows that the conflict in southern Albania, and in much of the country, is far from settled.

That picture contrasts with efforts by the new multiparty government to demonstrate that normalcy is returning to the capital, Tirana.

## House Votes to Ban Late-Term Abortion Procedure

NEWSDAY

WASHINGTON

In a vote that was emotionally wrenching for many members, the House Thursday approved a measure banning a specific late-term abortion procedure with enough support to override an expected veto by President Clinton.

The 295-136 vote came after more than two hours of debate in which supporters of the ban likened the procedure to infanticide, described it in graphic detail many times on the House floor and accused abortion-rights advocates of misleading statements about the frequency and circumstances of the procedure.

"There is no constitutional right to commit this barbarity," said Rep. Henry Hyde, R-Ill., chairman of the House Judiciary Committee.

Opponents argued that politicians have no place in deciding a question that should be between a woman and her physician.

## WEATHER Spring Uncoiled

By Gerard Roe  
STAFF METEOROLOGIST

Current maps show a weak cyclone responsible for Thursday evening's rain exiting east out of the area, meaning mostly sunny early morning skies. Another small system is trucking along right behind it however, which will bring overcast skies during the afternoon and rain mixed perhaps with some wet snow developing during the afternoon and evening beginning in the west. The showers look set to continue through to early Saturday morning but should not influence travel plans unduly except for patchy road ice in colder areas on Saturday morning. Warming up to the more seasonable higher 40s is in prospect for Saturday. Sunday is set fair with clear skies locally and with maybe a light dusting of new snow over the White Mountains.

### Spring Break travel

In the national outlook, most of the country is looking pretty calm. The main exceptions will be on the eastern seaboard — where the precipitation affecting us will also extend down most of the Appalachians during Friday night, and moderate to heavy rain moving through the Florida peninsula and the lower southern states, clearing by Saturday.

**Today:** Mostly sunny start. Clouding up by afternoon. Rain/mixed precipitation developing during the afternoon. Winds out of the northwest. High 43°F (6°C).

**Tonight:** Light to moderate rain continuing. Low 35°F (2°C).

**Saturday:** Any early showers clearing then fair but breezy. High 47°F (8°C). Low 25°F (-4°C).

**Sunday:** Mostly clear. High in the mid 40s (about 7°C). Low around 25°F (-4°C).

# Talk of NATO Expansion Tops Clinton-Yeltsin Agenda

By Susan Sachs  
NEWSDAY

HELSINKI, FINLAND

One limped. The other didn't. But the summit that opened here Thursday was not what it seemed.

Despite the contrast in appearances — Bill Clinton on crutches and Boris Yeltsin seemingly in the pink of health — the first meeting in a year between the U.S. and Russian presidents may only serve to underline Russia's sense of impotence on the international stage as it watches its former enemies bond with its former allies.

The planned expansion of NATO, widely interpreted in Moscow as a Western attempt to isolate and exclude Russia from Europe, tops the summit agenda and has dominated the presummit sparring between the Kremlin and the White House.

Yeltsin's spokesman, Sergei Yestrzhebsky, for example, said the West would be making its "biggest strategic mistake" since the end of the Cold War by inviting, as expected, three former East bloc countries — Hungary, Poland and the Czech Republic — to join NATO.

On the other side, Secretary of State Madeleine Albright took a similarly tough line. She dismissed the Russian tough talk as presummit "rhetoric" and emphasized that NATO expansion eastward would take place regardless of Russia's objections.

As their subordinates duelled, both Clinton and Yeltsin expressed hope that their differences on NATO would not lead to a new freeze in U.S.-Russian relations.

"Europe and the whole world," Yeltsin said upon arrival in Helsinki, "are depending on us not to destroy friendship built up between America and Russia over the years."

Clinton said he was "encouraged" by the change in Yeltsin's tone, which has been especially combative about NATO and the West in recent days.

On a personal level, the two presidents, who have developed a warm relationship over 10 previous meetings, sought to avoid the appearance of ill will. After their smoked salmon and reindeer dinner hosted by Finnish President Martti Ahtisaari, aides to both leaders described the first day's atmosphere as optimistic and downright jolly.

The 66-year-old Yeltsin, newly active after 10 months of illness and a major heart operation, teased Clinton, his junior by 16 years, for arriving in a wheelchair. The U.S. president, recovering from knee surgery, suffered the indignity of descending from Air Force One by hydraulic lift — in a catering container — to the red carpet laid out at the Helsinki airport.

Jokes aside, however, the two leaders face some of the most difficult questions since the collapse of the Soviet Union in 1991, when the new U.S.-Russian relationship was ruled more by confusion and euphoria than rival strategic interests.

At the urging of the United States, NATO is expected to extend its reach eastward to encompass some newly independent countries that were in the orbit of the former Soviet Union for much of this cen-

ture. Those plans are regarded with great suspicion and fear in Moscow. As Yeltsin himself has made clear, in a rare agreement with the hardliners who oppose him on just about everything else, Russia regards NATO's enlargement as an attempt to diminish it and its influence in the world.

Months of negotiation in Moscow, Europe and Washington have yet to produce a document defining a new relationship between NATO and Russia that is acceptable to both sides. While Russia has effectively abandoned its fight to prevent NATO expansion, it has sought to inhibit the alliance. Russian officials have sought written assurances that nuclear weapons and foreign troops won't be stationed on the territory of new NATO members. They also want a vote, if not a veto, for Russia on major NATO decisions.

The two sides remain far apart on those fundamental issues. U.S. and NATO officials have said the new alliance is not like the old and is ready to consider Russia a constructive partner.

But they also have said that a formal commitment that limits NATO's operational options or gives Russia more than a seat at the table is out of the question.

Clinton is expected to try to placate Yeltsin by offering strong support for Russia's inclusion in other international forums, such as the G-7 group of industrial nations and the World Trade Organization. But such inducements are largely seen as consolation prizes, at best, in Moscow.

# Arab Leaders Plan Response To Israel's West Bank Project

By John Lancaster

THE WASHINGTON POST

CAIRO, EGYPT

In an atmosphere of frustration and mounting despair, Arab states scrambled Thursday to organize a diplomatic response to Israel's construction of a vast housing development for Jews in traditionally Arab East Jerusalem, which they say has brought the Middle East to the brink of catastrophe.

Most of the activity took place here at the palace of the Egyptian president, Hosni Mubarak, who met with Lebanese Prime Minister Rafiq Hariri and Syrian Foreign Minister Farouk Charrara before sitting down to dinner Thursday evening with Palestinian leader Yasser Arafat. Dore Gold, an adviser to Israeli Prime Minister Benjamin Netanyahu '76, also paid a visit to Cairo in an apparent effort to forestall unwelcome diplomatic initiatives on the part of Israel's Arab negotiating partners.

The diplomatic thrust and parry underscored the mood of crisis that has gripped Egypt and other moderate Arab states since bulldozers this week began clearing land for 6,500 Jewish homes in East Jerusalem, a housing project that Arabs say will solidify Jewish control over territory that rightfully belongs to the Palestinians.

The normally low-key Mubarak warned Wednesday that the peace process is at its lowest ebb in two decades and he predicted a "new era of violence" if Netanyahu does not cancel the construction on a hilltop known to Arabs as Jabal Abu Ghneim and to Israelis as Har Homa.

Mubarak's foreign minister, Amr Moussa, sounded a similar theme

Thursday, telling reporters in a statement aimed at Israel, "Don't underestimate Arab intelligence and don't play games with us."

He added, "We cannot be deceived with any shining and sugar-coated promises ... the weight of which we know."

It remains to be seen whether the Arab states will match their tough words with action. Notwithstanding the depth of public anger toward Israel, and Netanyahu in particular, Arab leaders have limited room to maneuver in the face of Israel's overwhelming military superiority. That has left them with little recourse but to threaten a freeze on normalization of relations with Israel, a card that Egypt and others have so far been reluctant to play.

"It's not that the governments don't have options, but they are all committed to the peace process, so whatever they do will be in that framework," said a senior Arab diplomat who spoke on condition of anonymity. "No one's talking about military action against the Israelis, not because it's not possible but because it's not in the mind-set of the Arab countries, so they are limited by that."

At the same time, Mubarak in particular is acutely sensitive to public opinion. Western diplomats do not rule out the possibility that Egypt could respond with tough measures, up to and including the downgrading of diplomatic relations with Israel or even closing its border with the Jewish state.

"I can tell you for sure, the Arab response will be tangible, and I can tell you for sure the direction we are going ... will have extremely negative implications for the peace

process, and these are created by the Israeli actions," the Arab diplomat said.

"There's no joy in thinking of measures against Israel," the diplomat said. But he added, "What can you do? We are trying to show him there are red lines."

Meeting here last June a few weeks after Netanyahu's election, leaders of the Arab states threatened to freeze normalization if Israel did not abide by the principle of exchanging captured land for peace commitments that had guided negotiations with Netanyahu's Labor Party predecessors.

But Mubarak and Jordan's King Hussein, in particular, urged their fellow Arabs to give Netanyahu a chance. They have since described a series of disappointments culminating in Netanyahu's decision to go ahead with the East Jerusalem housing project.

The issue is especially sensitive because it bears on the future of Jerusalem, which is holy to both Muslims and Jews and is claimed by both sides as their natural capital. Palestinians assert — with backing from the international community — that the future of Jerusalem should not be decided until "final status" talks called for in the peace accord signed by Israel and the Palestine Liberation Organization in 1993.

In response to the Arab reaction, Netanyahu has proposed a new approach to the peace process that would involve sitting down now to negotiate all the outstanding issues, including Jerusalem, rather than carrying out further West Bank withdrawals of Israeli forces in stages as was agreed in the 1993 accord.

# Small Tobacco Firm Settles 22 Suits, Admits Wrongdoing

By John Schwartz and Sandra Torry  
THE WASHINGTON POST

WASHINGTON

The smallest of the nation's major tobacco companies settled 22 state lawsuits Thursday by admitting that smoking causes cancer and other diseases, that nicotine is addictive and that the industry targets underage smokers — concessions that could have repercussions for the entire industry.

Liggett Group Inc. also agreed to release thousands of pages of internal documents that could provide damaging evidence in lawsuits still pending against other cigarette makers and to provide Liggett employees to testify as witnesses in those cases.

Minnesota Attorney General Hubert H. Humphrey III compared the Liggett action to "turning state's evidence," and explained, "this is a

little like busting a street drug dealer to get at the Colombian drug cartel."

"I believe this is the beginning of the end of this conspiracy of lies and deception," said Arizona Attorney General Grant Woods at a late afternoon news conference where the agreement was announced. "Someone is finally telling the truth."

Breaking for the second time with the tobacco industry's decades-long united front, Liggett also agreed to beef up the warning labels on its products and pay 25 percent of pretax profits to the states for the next 25 years. The money would be used to help pay for the costs of treating smokers' health problems and for anti-smoking programs, which is what the original lawsuits had sought.

Before the deal was even signed, the other major tobacco companies denounced the agreement and raced

to court in Winston-Salem, N.C., where they won a court order temporarily blocking Liggett from releasing documents covered by other companies' attorney-client privilege.

Liggett immediately released a handful of documents that it determined were not covered by attorney-client privilege to the attorneys general, and sent the thousands of pages of protected documents to courts around the country hearing the state suits.

If a judge determines that the documents show that the papers show that crimes or fraud had occurred, the legal protections for those papers could be broken.

Attorney General Mike Moore of Mississippi was confident that the North Carolina injunction would not prevent the release of documents to courts in other states — "that dog won't hunt," he joked.

# Zaire Reportedly Profiting by Selling Arms to Angolan Rebels

By James Rupert  
THE WASHINGTON POST

KINSHASA, ZAIRE

Although Zaire is at war and neighboring Angola is struggling to preserve peace, close relatives and aides of Zairian President Mobutu Sese Seko have been smuggling hundreds of tons of weapons to former rebels in Angola for huge profits, according to Zairians, foreign diplomats and intelligence reports.

The Mobutu camp's rearmament of Angola's UNITA movement is contributing to Zaire's military collapse in the face of a five-month-old rebellion, Zairians and diplomats said, and has increased the likelihood of civil war in Angola.

The National Union for the Total Independence of Angola, or UNITA, and the Angolan government signed a peace accord in 1994

after 19 years of almost unbroken civil war. UNITA, led by Jonas Savimbi, has spent the last year demobilizing its fighters and surrendering its weapons, though the government has accused it of retaining its strongest forces, and efforts to form a unity government repeatedly have fallen short of their goal.

For months, Mobutu's aides have been purchasing loads of weapons for UNITA on international arms markets, while Zairian army commanders have complained openly that the government is giving it few weapons and supplies to fight rebels in the east who are seeking to oust Mobutu. The army chief of staff, Gen. Mahele Licko, told reporters Wednesday that the government should let the army take over arms purchases and distribution. Recently, some of Mahele's

troops clashed here with soldiers loyal to a Mobutu aide over a trainload of ammunition, sources said.

Last month, the Angolan government retaliated for the shipments to UNITA by sending troops to help the Zairian rebels, diplomats and U.N. sources have said.

The Mobutu camp's arms trading "has been a serious destabilizing factor" throughout central Africa, a Western diplomat here said. The arms traffic is directed by at least five of Mobutu's closest security aides, including a son, and at least one Western intelligence service concludes that Mobutu gets a share of the profits, another diplomat said.

The arms smuggling to UNITA is part of a practice by Mobutu and his family "of selling guns anywhere they can make a buck," the Western diplomat said.

# Greenspan Gives Strong Signal Of Interest Rate Hike

LOS ANGELES TIMES

WASHINGTON

In oblique but relatively transparent terms, Federal Reserve Chairman Alan Greenspan sent his strongest signal to date Thursday that the Fed is on the verge of boosting interest rates.

With underlying indicators raising new concerns that the expanding economy could no longer fend off inflationary pressures, Greenspan's comments to the congressional Joint Economic Committee spun Wall Street into turmoil.

Greenspan, in the view of many analysts, has been itching to raise rates for some time. Gary Schlossberg, a senior economist at Wells Capital Management of San Francisco, said the chairman's latest testimony "sounded like a dress rehearsal for a post-tightening press conference."

The Fed's policy-making Federal Open Market Committee will have an opportunity to raise rates when it meets next Tuesday. The federal funds rate, which is the interest that banks charge each other on overnight loans, is 5.25 percent, and an increase to 5.5 percent, a likely target, would ripple throughout the financial community and boost all market-driven short-term rates.

In his regularly scheduled testimony to the Joint Economic Committee, Greenspan said the U.S. economic performance had been "quite favorable." But, in a warning of inflationary pressures, he said: "Demand has been growing quite strongly in recent months."

# Human Genome Sciences Plans Human Drug Tests

THE WASHINGTON POST

WASHINGTON

Human Genome Sciences Inc. of Rockville, Md. this week completed an \$111 million stock offering, selling 3 million shares at \$37 each to raise money to conduct its first two human drug trials and develop new robotic research techniques.

The company's chief executive officer, William Haseltine, would not say which diseases the company hopes to target. The first trial will begin this year, he said, and the second in 1998.

HGS is deciphering the genetic codes of humans and microorganisms with the aim of developing tests and drugs to detect, prevent and treat various diseases. The company has said its researchers have been studying six proteins for possible development into new drugs.

The trials will test two of these six. They will be the first steps of many needed to prove to Food and Drug Administration regulators that the HGS is deciphering genetic codes with the aim of developing tests and drugs to detect, prevent and treat various diseases. Proteins are safe and effective therapeutic drugs.

The trials also will be among the first to test chemicals against a disease based on information gathered from the human genetic code.

The tests underscore HGS's determination to develop drugs exclusively owned by the company. HGS has depended on funding from its corporate partner, pharmaceutical giant SmithKline Beecham PLC, to develop much of its information on genes. The two proteins to be tested in initial trials are among the six that HGS has exclusive rights to develop into drugs based on knowledge from its own gene bank.

# graduate student

walker memorial, room 50-220  
253-2195 • gsc-request@mit.edu  
http://www.mit.edu/activities/gsc

# council

# Run for Office!

# Graduate Student Council Officer Nominations

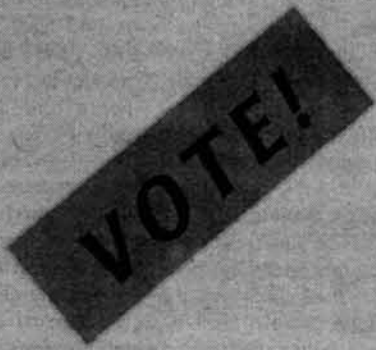
Nominate yourself or others for the position of:

- ▶ President
- ▶ Vice President
- ▶ Secretary
- ▶ Treasurer

Nominations accepted through Wednesday, April 2, and at the April 9 Graduate Student Council meeting.

All graduate students are eligible for office.

More information at [www.mit.edu/activities/gsc](http://www.mit.edu/activities/gsc) or by contacting the current officers at [gsc-officers@mit.edu](mailto:gsc-officers@mit.edu).



# OPINION

## Letters To The Editor



**Chairman**  
Daniel C. Stevenson '97

**Editor in Chief**  
David D. Hsu '98

**Business Manager**  
Angela Y. Liao '98

**Managing Editor**  
Josh Bittker '99

**Executive Editor**  
Thomas R. Karlo '97

### NEWS STAFF

**Editors:** Venkatesh Satish '98, Dan McGuire '99; **Associate Editors:** Brett Altschul '99, Jean K. Lee '99, May K. Tse '99, Frank Dabek '00, Douglas E. Heimbürger '00, Zareena Hussain '00; **Staff:** Eva Moy G, Kyle Young G, James M. Wahl '97, Christopher L. Falling '98, Noëmi Giszpenc '98, Orli G. Bahcall '99, Shawdee Eshghi '99, Carina Fung '99, Fenny Lin '99, Eric Sit '99, Stuart Jackson '00, Liz Krams '00, Dudley W. Lamming '00; **Meteorologists:** Michael C. Morgan PhD '95, Gerard Roe G, Marek Zebrowski.

### PRODUCTION STAFF

**Editors:** Saul Blumenthal '98, Russell S. Light '98, Jason C. Yang '99; **Staff:** Jimmy Wong '97, Betty Chang '98, Larry Chao '98, Moksha Ranasinghe '99, Sharon Shen '99, Binh Truong '99, Stephanie Yang '99, Brent Yen '99, Erica Pfister '00, Brian T. Sniffen '00, Billie Wang '00.

### OPINION STAFF

**Editor:** Stacey E. Blau '98; **Staff:** Anders Hove G, A. Arif Husain '97, David S. Kelman '99.

### SPORTS STAFF

**Editor:** Erik S. Balsley G; **Staff:** Hana Ohkawa G, Martin Duke '97, Chris Lin '97, Jason Weintraub '97, Chris Brocoum '00.

### ARTS STAFF

**Editor:** David V. Rodriguez '97; **Staff:** Thomas Chen G, Jonathan Litt G, Teresa Esser '95, Brian Hoffman '97, Teresa Huang '97, Kamal Swamidoss '97, Rob Wagner '97, Hur Koser '98, Yaron Koren '99, Daniel Ramirez '99, Joel M. Rosenberg '99, Stephen Brophy.

### PHOTOGRAPHY STAFF

**Editors:** Gábor Csányi G, Indranath Neogy '98; **Staff:** Rich Fletcher G, Alkan Kabackioglu G, Jonathan Li G, Gabriele Migliorini G, Arifur Rahman G, Jiri Schindler G, Helen Lin '97, Tiffany Lin '97, Christine Chan '98, Adriane Chapman '98, Ahmed Ait-Ghezala '99, David Tarin '99, Ian Chan '00, Gregory F. Kuhnen '00, Rita H. Lin '00.

### FEATURES STAFF

Hugo M. Ayala G, Zachary Emig '98, Jessica Wu '99, Pawan Sinha.

### BUSINESS STAFF

**Advertising Manager:** Cristián A. González '99; **Associate Advertising Manager:** Jennifer Koo '00; **Operations Manager:** Pamela Shade '98; **Staff:** Jessica Maia '98, Terri A. Wilson '99, Joey Dieckhans '00.

### TECHNOLOGY STAFF

**Director:** Timothy K. Layman '97; **Associate Director:** Christina Chu '98; **Staff:** Ifung Lu '97, Laurie M. Leong '00.

### EDITORS AT LARGE

**Contributing Editors:** Shang-Lin Chuang '98, Jennifer Lane '98; **Senior Editor:** Ramy A. Arnaout '97.

### ADVISORY BOARD

V. Michael Bove '83, Robert E. Malchman '85, Thomas T. Huang '86, Reuven M. Lerner '92, Josh Hartmann '93, Jeremy Hylton '94, Garlen C. Leung '95, Scott C. Deskin '96.

### PRODUCTION STAFF FOR THIS ISSUE

**Night Editors:** Josh Bittker '99, Cristián A. González '99, Jason C. Yang '99; **Staff:** Saul Blumenthal '98, Jennifer Lane '98.

The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January and monthly during the summer for \$35.00 per year Third Class by The Tech, Room W20-483, 84 Massachusetts Ave., Cambridge, Mass. 02139-7029. Third Class postage paid at Boston, Mass. Non-profit Organization Permit No. 59720. **POSTMASTER:** Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029. Telephone: (617) 253-1541, editorial; (617) 258-8324, business; (617) 258-8226, facsimile. Advertising, subscription, and typesetting rates available. Entire contents © 1997 The Tech. Printed on recycled paper by Mass Web Printing Co.

## Fishbowl Closing Result Of Politics, not Needs

On my way home from class, I passed by the Fishbowl Athena cluster and noticed the sign on the window saying, cleverly, "So long and thanks for all the fish." I felt a pang of sorrow at that and realized that although I have been thinking I will wake up and find that it was all just a cruel joke, the Fishbowl will really be gone for good by the time I get back from Spring Break.

I was disappointed that the response to pleas to keep the Fishbowl was that the decisions have come too far to be changed now. It makes me wonder why I didn't hear about the plans until it was too late for them to be changed. I often hear people pondering why MIT students are so apathetic about change. I think the Fishbowl's destruction is a perfect illustration of why; to MIT, change means getting rid of the good, old things in favor of unnecessary, new things. Change at MIT is about politics, not about the students and what we want or need.

Christa R. Ansbergs '98

## Historic Crimes Don't Justify Israeli Violence

Justifying Israeli expansionism and violence in Lebanon, Omri Schwarz '97 ["Israel's Presence in Lebanon Not Illegal," March 18] derives moral authority and legitimacy from 19th century imperialism. By drawing a parallel between the South Lebanese experience and the Seminole Wars and the Mexican Cession, Schwarz equates contemporary Israel with what many consider today as the barbaric age of American civilization. Indeed, this was a time when African Americans were still enslaved and when Native Americans were being slaughtered. Schwarz uses a history which most view with horror and indignation as the moral backbone for continued Israeli occupation of Lebanon. In the process, the voices of many Chicanos, Native Americans, and Lebanese, who continue courageously to speak for the sanctity of their national borders and against the violence done to their cultures and people, are erased.

Furthermore, the logic of Schwarz's argument establishes a system of ethics and justice through which territorial annexation is legitimized by the oral authority of colonial conquest. From this perspective, arbitration through the international community is delegitimized. Laws sanctioned by the United Nations — whose purpose is "to save succeeding generations from the scourge of war ... to establish conditions under which justice and respect ... under sources of international law can be maintained" — are considered null and void. Through this logic, we can only ask, what have we learned from a century characterized by unspeakable violence? It is unfortunate that Schwarz, while decrying the loss of human life (25,000 Lebanese killed), still accepts the principles which make it possible.

Alberto J. Herrera '97

Maha M. Yahya G

Mona M. Fawaz G

on behalf of members of Lucha and the Lebanese Club at MIT

## Critics of Cloning Can't Accept Change

Column by A. Arif Husain

COLUMNIST

People just can't accept change. It's as simple as that. From the time of the early astronomers, tormented for their claims of



heliocentricity, to the recent headlines of Ian Wilmut, whose breakthrough cloning research reached an untimely halt, pioneers of knowledge have been continually stifled by a stubborn and unreceptive public. President Clinton's announcement of a moratorium on human cloning is yet another example of such mental inertia. Sadly, people are like pencils, the more you push them, the duller they become.

Not unlike many past debates, the recent

cloning issue claims "ethics" as its war cry. Its critics hypothesize a sadistic world of human crop, engineered super-armies, and Frankenstein's monsters. I say, "Wake up and smell the DNA." It'll be plenty of time before the first clone-o-matics go on sale at the local drugstore. We're probably not yet in a position to get worked up. Sure, cloning may still prove dangerous in the hands of a few twisted sorts, but so is sawdust in the wrong hands, and you don't see us shutting down the log mills do you?

Regulating the use and application of potentially hazardous techniques is responsible and rational. That's why we have groups like the Environmental Protection Agency and the Food and Drug Administration. Quashing the development of such techniques, however, is not quite so desirable. Where would O.J. Simpson be, for example, without the landmark PCR technology that proved that he was ... oh, bad example. My point is: government

should not stifle science, and that's that.

I really have to wonder what political dilemmas Mr. Clinton thinks cloning will cook up. I suppose the average high school student on the other side of that bridge to the 21st century will be packing a concealed cloning kit. Teenage pregnancy will be replaced by the far more disparaging teenage cloning outburst. Could there be statutory cloning? Cloning by a minor? Perhaps Houston will become the new capital for drive-by clonings. Better roll up your window, it's a clone-eat-clone world out there.

Will welfare reform have to include provisions for illicit clones? Should health insurance cover cloning costs? Will the military have to expand its policy to "don't ask, don't clone"? Or maybe it's just the suggestion of a parade of Newt Gingriches popping out by the dozen that puts the butterflies in the presiden-

Husain, Page 5

## Aramark Not to Blame for Dining Problems

Guest column by Ricardo J. Torres

All of the recent commentary has led me to the conclusion that the community is not very well informed on the workings of dining services at MIT and of food service in general. I say this with the knowledge that not very long ago I was very critical of Aramark. In fact I have never and will probably never have a meal plan. There are several issues that make it difficult for food services to function effectively.

In order for Aramark to get access to dining facilities, MIT must make them available. As it is, MIT is pressed for space, and requests to create new facilities are further scrutinized because it is expensive to convert building space into the facilities necessary to store, prepare, and serve food. Furthermore, a food service contractor is bound to MIT by tight restrictions. The physical structures, as well as much of the hardware of the facilities belongs to MIT, and Aramark must go through MIT for any repairs. Thus, in order for Aramark Dining Services to get an oven, chipped wall, or refrigerator repaired, it must be authorized by MIT. Again, because MIT

has to struggle to keep costs down, it is often a slow and bureaucratic landlord.

All non-student workers that work over 20 hours per week must be affiliated with the local hotel food service union. This means Aramark must pay extraordinary wages. For example, a pot scrubber gets over \$10 an hour and a cook over \$13. Plus, Aramark pays almost two dollars an hour on top of this for union benefits. Obviously, Aramark would prefer student employees, paying them well above MIT minimum wage. Ideally, this has the solution that MIT students seek employment with Aramark. Unfortunately, most students neither wish to be employed in a food service job, nor are reliable during peak class load times during the semester. Aramark continues to seek student employment, but understands that the main concern of all students are their classes.

Furthermore, these labor costs are exacerbated by the need for a distribution of dining facilities throughout the campus during a wide range of hours. For each hour a facility is kept functional, the amount of labor obviously rises. All universities of which I have some knowledge have fewer hours of operation and

are more centralized in the locations of facilities, especially when compared with the physical size of MIT. In fact some places have a policy to not schedule classes during lunch hours. Similar arrangements are made for breakfast and dinner.

Complicating matters further, MIT does not have mandatory meal plans. I do not know of a university with a successful dining service that does not require some kind of a mandatory meal plan. Generally, a meal plan is paid for along with tuition and reserves some number of meals per week at a particular site on campus. Regardless of whether or not the student attends the meal, the money is not reimbursed. This assures the food service organization will have a fixed minimum revenue for any particular meal, in order to base costs. People paying cash for a meal only add to this minimum revenue. On the other hand, the eating patterns at MIT are quite erratic, with no guaranteed base revenue for any particular meal.

Here are just some costs that food service at MIT has that a restaurant does not. First,

Torres, Page 6

## Opinion Policy

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

**Dissents**, marked as such and printed in a distinctive format, are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

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

**Letters to the editor** are welcome. Electronic submissions are encouraged and may be sent to [letters@the-tech.mit.edu](mailto:letters@the-tech.mit.edu). Hard copy submissions are accepted as well, although e-mail is preferable. Hard copy submissions must be typed, double-spaced, and 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. We regret we cannot publish all of the letters we receive.

## 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. Mail to specific departments may be sent to the following addresses: [ads@the-tech.mit.edu](mailto:ads@the-tech.mit.edu), [news@the-tech.mit.edu](mailto:news@the-tech.mit.edu), [sports@the-tech.mit.edu](mailto:sports@the-tech.mit.edu), [arts@the-tech.mit.edu](mailto:arts@the-tech.mit.edu), [production@the-tech.mit.edu](mailto:production@the-tech.mit.edu), [photo@the-tech.mit.edu](mailto:photo@the-tech.mit.edu), [circ@the-tech.mit.edu](mailto:circ@the-tech.mit.edu) (circulation department). For other matters, send mail to [general@the-tech.mit.edu](mailto: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>.

# Media's Racial Stereotypes Prompted Lobby 7 Poster

Guest column by Alo C. Basu, Edson T. Miyamoto, Pallavi Nuka, Pamela Prasarttongosoth, Alan L. Shihadeh, and Joaquin S. Terrones

Last week, the Asian Pacific American Caucus and the Committee for Social Justice put a poster up in Lobby 7 that posed the question: Is *The Tech* promoting anti-Asian stereotypes? We used a strip of the comic "Rhino Man" from March 7 and a World and Nation story to illustrate what was meant by "anti-Asian stereotypes" ["Empire State Gunman Acted Out of Rage," Feb. 25]. Our aim was to get people to debate the issue.

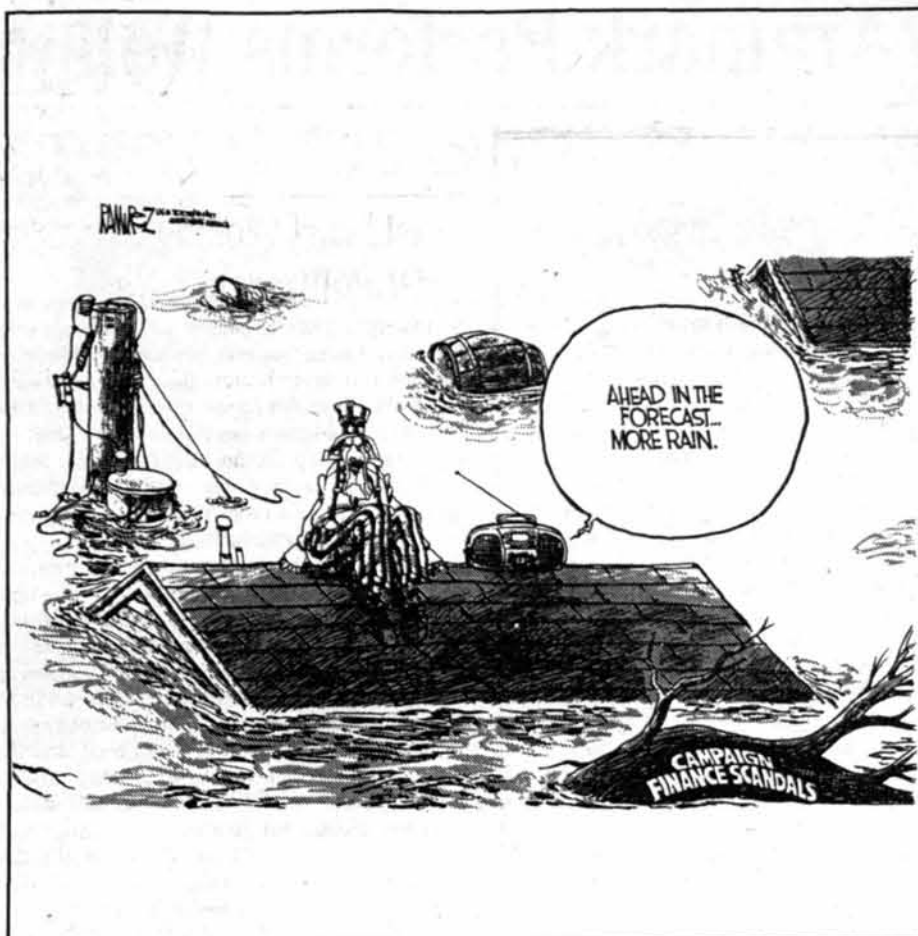
The column by Stacey E. Blau '98 ["Poster's Claims About *The Tech* Are Silly," March 14] made clear that she did not understand what the poster was pointing out. Racist stereotypes are so prevalent that most people have become inured to them.

We did not disagree that the story about the man who shot seven people at the Empire State Building was newsworthy. Also, we do not necessarily think that pointing out the gunman's national origin is racist, particularly if it is routine to do so in reports of shooting sprees, e.g.,

"Today a U.S. postal worker of Belgian origin opened fire, killing nine co-workers." We leave it as an open question to *The Tech* and its readers whether this is routine or whether it is more often pointed out when the perpetrator is a person of color. We suspect that the gunman's national origin was an issue only because *The Washington Post* writer harbored racist sentiments with regard to Palestinian people.

Even more disturbing to us was the sentence following the one that identified the gunman's nationality: "Because of his nationality, the incident provoked initial speculation that the... terrifying shooting... might be rooted in the nationalistic zealotry and terrorism that is a frequent offshoot of Middle Eastern political rivalries." Blau finds nothing objectionable in the sweeping phrase "the terrorism that is a frequent offshoot of Middle Eastern political rivalries." Perhaps this is because racist assumptions are so deeply ingrained in the mainstream press that people do not notice them any more. The fact that a whole region of the globe can be so tidily indicted without any factual grounding and without so much as a raised eyebrow by Blau, the other *Tech* staff,

Basu, Page 6



# Science of Cloning No Different from Past Advances in Genetics

Husain, from Page 4

tial stomach. The prospect of focally and specifically manipulating the forces of life is profound if not breathtaking. We, as the self-proclaimed molders and shapers of this planet, now face the opportunity to apply these skills at our own discretion, to our pets, to our livestock, and perhaps even to ourselves. Cloning may allow us to weed out genetic disease, enhance desirable traits, even deliver made-to-order progeny.

But wait, are these feats so new? A century ago Gregor Mendel showed us the predictive capacity of selective breeding. In modern

times, everything from long-stem roses to dairy cattle benefit from this knowledge. More milk production, tastier meat, brighter reds, and sweeter smells, owe thanks to such breeding. These tactics are common practice and widely accepted.

But in principle, selectively mating two animals is as egregious as selectively cloning one of them. Either way, you are meddling with a natural phenomenon, altering it to suit your purposes. Somehow, though I am told, forcing two showcase cats to copulate is more ethical than duplicating one in a petri dish. Ethically, I don't see much of a difference.

I think I mentioned that people are stubborn. Unfortunately, they are also often pretty

stupid. Ask the average Joe or Jane what their feelings are about recombinant DNA techniques, and most people are okay. Regardless, such techniques have been in full-force use in thousands of labs for a few decades now. They are responsible for myriad synthetic drugs such as insulin and growth hormone, as well as countless studies that have led to treatments for cancer, AIDS, and a host of other scientific advances. Wilmut's cloning research is only an expansion on the same idea. So why the big fuss? Because Joe or Jane realizes neither the beauty nor the power of religating a vector plasmid. Cloning, however, is the stuff of cartoons and big-time movies. Joe and Jane suddenly understand, to the dismay of the rest

of us. I suppose the severest disappointment is when Joe and Jane are Professor Jane and Professor Joe. Many researchers in the scientific community are equally hesitant, when it comes to the acceptance of cloning technology. I guess the days of men dying over their convictions are over, but I had at least hoped for a reasonable fight. I'm an equal opportunity fellow, so I don't consider stupid researchers any less stupid than their non-academic peers. I just hope that the leaders in our community of science are stable enough to trust themselves with risky research. Otherwise, I think I'll be turning in my lab coat.

# Spring Weekend

April 26<sup>th</sup>

Brought to you by the UA  
Organized by the Social Committee

# Social Scene

Friday:

7pm: Hindustani Vocal Concert  
Bharati Nanavati (Khyal singer)  
\$8-12 in Killian Hall  
Sangam/MITHAS  
sangam-concerts@mit.edu

??pm: YOUR EVENT

Register at [web.mit.edu/ua/www/](http://web.mit.edu/ua/www/)

Friday and Saturday:

8pm: Shakespeare's *The Life and Death of King John*.  
La Sala de Puerto Rico  
\$5 students/seniors  
\$7 general  
The Shakespeare Ensemble at MIT  
ensemble-tickets@mit.edu

Register your club, FSILG, or dorm event at [web.mit.edu/ua/www/](http://web.mit.edu/ua/www/)

# Aramark Performs Well Despite Inherent Barriers

Torres, from Page 4

Aramark has to replace its dinnerware about twice a year. The costs of this gets into six figures and forced Networks to go from glass tumblers to paper cups. Aramark also has to pay around \$50,000 a year for cash registers that provide the Department of Housing and Food Services with MIT Card transactions. Aramark has suggested point-of-sale machines, but nothing has come from this.

The community doesn't realize that MIT, not Aramark, operates the MIT Card facilities. MIT has just asked Aramark to take care of some of the clerical work involved in changing student meal plans because of the convenience of the Aramark office. Aramark agreed because it is beneficial to them to make meal plan changes convenient and efficient. This has nothing to do with what organizations can access MIT Card facilities.

In its editorial ["Dining Process Must Move to Bidding," Feb. 4], *The Tech* erroneously states Aramark was keeping out competition by not allowing third parties access to MIT Card facilities. Domino's Pizza accepts the MIT Card and is probably making a

killing off of it. LaVerde's Market was asked if they wanted to set up a contract for the MIT Card but declined.

Then there are the exorbitant wages and union benefits. Due to some voices in the community, Aramark has kept Itza Pizza open from 7 p.m. to 10 p.m. Because a minimum of two people are required to keep this facility open, this service has lost money, with little or no exceptions, every night. Yet, the facility cannot be closed during off hours because some sector of the community wants pizza at the Student Center at night.

I am quite disappointed that *The Tech* would not gain an understanding of the issues before forming an opinion as expressed in its editorial. Aramark is doing as well a management job as any company could, given the obstacles. Aramark still has much to do, first in getting student involvement so the community will be educated and give feedback, and then implementing a system where this involvement yields greater community satisfaction at a lower cost. My opinion is that Aramark is beginning to accomplish this, and another contractor, at best, would take several years just to reach the position Aramark is in now.

# Media's Depiction of Asians Promotes Racism in Society

Basu, from Page 5

and many who commented on the poster speaks to the depth of their prejudice.

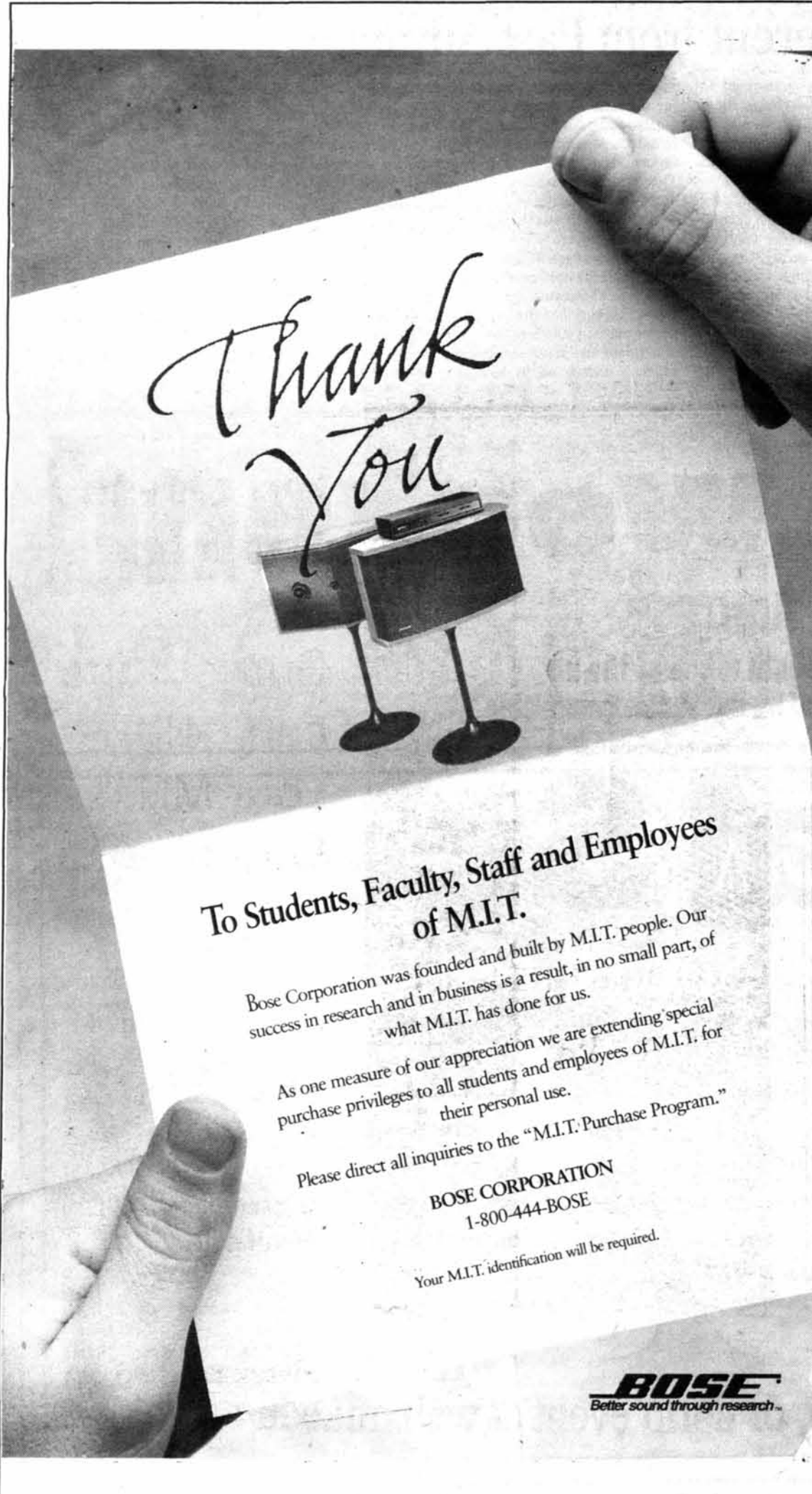
We know that the article was taken from *The Washington Post*, but *The Tech* is accountable for every word that it prints. By definition, editors of all newspapers routinely make decisions about what to print, what to omit, what needs to be cut and what should be reworded. Whether because of negligence or ignorance, and regardless of who wrote it, the result here was that *The Tech* printed a racist article.

The other image on the poster, which we labeled "chinky caricature," came from the comic strip "Rhino Man." The particular drawing to which we were referring harkens back to images of the Yellow Peril that have been present in this culture for decades in the forms of Fu Manchu, Dr. No, World War II anti-Japanese propaganda, etc. While we understand the concept of comic license and understand that comic strip characters seldom look realistic, the Rhino Man cartoon draws from racist visions of what Japanese people actually look like: the "slanted" eyes, the wide, yellow face, the Fu Manchu mustache, etc.

People of color are often depicted in ways that are offensive. The fact that these images are widely accepted does not detract from the fact that they are racist. For years in cartoons, black people were drawn with literally black skin, bugged out eyes, and thick lips that overwhelmed their faces. Racist imagery and stereotypes dehumanize individuals and create an atmosphere where oppression is not only permissible and understandable but also encouraged and necessary.

By raising these issues, we are taking power back over how we are depicted in the media. We were not trying to be victims; we are using political dialogue to overcome victimization. Racist images and ideas exist in the media because racism exists in society at large. Reasonable people don't have to wait to see someone beaten, raped, or killed before we respond.

It is not a waste of time to work toward an end to prejudice and discrimination. Stereotypes have a real effect on how people interact with one another, on legislation that is passed, and on who becomes the victim of a hate crime. We did not dream up these issues "out of thin air." Rather, they were in print in MIT's oldest and largest newspaper.



**To Students, Faculty, Staff and Employees of M.I.T.**

Bose Corporation was founded and built by M.I.T. people. Our success in research and in business is a result, in no small part, of what M.I.T. has done for us.

As one measure of our appreciation we are extending special purchase privileges to all students and employees of M.I.T. for their personal use.

Please direct all inquiries to the "M.I.T. Purchase Program."

**BOSE CORPORATION**  
1-800-444-BOSE

Your M.I.T. identification will be required.

**BOSE**  
Better sound through research™

**Maximize Your Scores With...**

**LSAT** +7.3pts.  
**MCAT** +6.5pts.  
**GMAT** +7.2pts.  
**GRE** +21.4pts.

**THE PRINCETON REVIEW**

**Courses meet in Cambridge**  
Call today: **617/558-2828**

**BOSTON UNIVERSITY SUMMER TERM 1997**

**Gain a New Perspective**

Get a jump on the Fall semester or simply take a class for personal enrichment. Boston University Summer Term gives you a new perspective of the world around you.

**Summer Session I: May 20-June 28**

**Summer Session II: July 1-August 9**

**Registration begins April 23**

Call for a course catalog  
**617/353-6000**

<http://web.bu.edu/SUMMERTERM>

**BOSTON UNIVERSITY**

755 Commonwealth Avenue • Boston, MA 02215  
An equal opportunity, affirmative action institution

# THE ARTS

## MUSIC REVIEW

### Ben Folds: The up and coming hero of rock piano

By Joel Rosenberg  
STAFF REPORTER

**B**en Folds makes Billy Joel look like a lounge act. With all of the gimmicks that bands go for these days, the guitarless piano-bass-drums trio Ben Folds Five (it sounds cooler than Ben Folds Three, according to the band) wins as the most original and most entertaining. You've never heard a piano sound like this, as Folds' drumming training comes through in the catchy tunes he bangs out on his baby grand.

Reminiscent of 80s pop, it has a definitely 90s feel and lyrics that should be official songs of MIT. The opening track "One Angry Dwarf and 200 Solemn Faces" on their sophomore album, *Whatever and Ever Amen*, tells it all — "Now I'm big and important/One angry dwarf and 200 solemn faces are you/If you really want to see me check the papers and the TV/Looks who's telling who what to do/Kiss my ass, goodbye." As Folds says, "It's a revenge anthem." Perfect.

The whole album is great, and while not a complete departure from their self-titled first release, the songs are more introspective and restrained, telling stories of people you still don't know (much like the first album), but in a more subtle kind of way. The track "Brick" describes complications in a relationship in the style "that's what happened, and it sucks," instead of the more traditional "my life sucks because that's what happened."

Right out of that relatively depressing song is some banter from the band and then a rock-and-rollesque screamed count-off leading to "Song for the Dumped," which turns slightly less touching as Ben screams, "Give me my money back, you bitch." Don't worry — Ben's luck has improved since he recently got married.

"Cigarette" is a great Folds solo number, and "Steven's Last Night in Town" features the Klezmatics (clarinets are all too rare on rock and roll albums), Ben on the melodica (like a harmonica except with a keyboard instead of lots of little holes), and another inexplicable plot without further explanation (easily found at <http://www.bffweb.com>).

As with their first album, they choose to open big and end mellow. "Evaporated" is "about loss" and leaves you waiting for their next record.

Putting out albums is only half the act, though, as they've been touring with Jewel, solo touring, and will be opening for Counting Crows for the next few weeks before hitting the clubs. There's no Boston date yet, but there will be if there's any justice in the world. The show is incredible, as Folds kicks the crap out of his piano by pounding it, jumping on it, walking over it, and generally abusing it while having a great time with the audience.

The band prides itself on not being cool. There are too many shiny bands out there, and



their "matte finish" catches the ear just right. Ben's voice isn't perfect, either, and tends to be either "love it or hate it." In context, I don't think there's much question.

A year ago almost nobody had heard of Ben Folds Five. Today, still not many people have heard of Ben Folds Five. But that's about to change. Sony has gotten themselves a piece of the "next big thing" in a classic label

bidding war, and hopefully they won't screw it up. If they let the boys keep doing what they've been doing, screwing up will be almost impossible.

Ben should be the posterchild for piano lessons. If you played once and quit, maybe you'll be inspired to try again. And if not, at least you can hear what rock piano is supposed to sound like.

Join in a discussion with  
**Joshua M. Epstein & Robert Axtell**

Brookings Institution scholars  
and authors of the book  
**GROWING ARTIFICIAL SOCIETIES**  
*Social Science from the Bottom Up*

Tuesday 1 April  
10 a.m.  
E25-111

Whitaker College of Health Sciences  
45 Carlton Street (located behind the  
inbound Kendall T stop, next to MIT Medical)

Meet the authors, view their artificial society  
model, Sugarscape, and discuss its research  
and policy implications.

"*Growing Artificial Societies* is a milestone in social science  
research. It vividly demonstrates the potential of agent-based  
computer simulation to break disciplinary boundaries. It does this  
by analyzing in a unified framework the dynamic interactions of  
such diverse activities as trade, combat, mating, culture and  
disease. An impressive achievement."  
— Robert Axelrod, University of Michigan

"Wave goodbye to the invisible hand of classical economics.  
Through computer simulation, Axtell and Epstein have revealed  
the dynamic and often irrational nature of the economy." — *Wired*

**GROWING ARTIFICIAL SOCIETIES** is a publication of  
the Brookings Institution, distributed by The MIT Press,  
and available at The MIT Press Bookstore in Kendall  
Square: 617.253-5249 or <[books@mit.edu](mailto:books@mit.edu)>.

For more information on this event, please contact MIT  
Press Publicity at 617.253.5643 or <[godfrey@mit.edu](mailto:godfrey@mit.edu)>.  
Visit MIT Press on the Web at <http://www-mitpress.mit.edu/>

Does  
Your  
Organization  
Need  
A  
Sponsor?



MIT Dining  
Services  
and  
Burger King  
can help  
your MIT  
Organization.

Please contact  
kathy Richmond  
[kreb@mit.edu](mailto:krb@mit.edu)  
W20-507  
253-2814

## dammed for life

by jessica

**ALBERT DISAPPROVES OF NEWTON'S VULPINE GIRLFRIEND...**

HOW SHOULD NEWTON SOLVE HIS PROBLEM?  
YOU WOULDN'T HIT A GUY WITH GLASSES!  
I HAVE.

YOU KNOW ALBERT, WE SHOULD REALLY TALK ABOUT YOUR PROBLEM WITH INTERSPECIES DATING.

YEOW! YIPE! POW! BLAM!

E-MAIL YOUR SUGGESTIONS TO JAWW@MIT.EDU SOON!  
ALBERT SAYS NO TO FOXES!  
What about you?  
Yeah, I'll hit him with a hammer.  
This poster sponsored by Newton.

1. KICK HIS RACIST (ER SPECIES-IST) BUTT

2. CONFRONT HIM

3. CONFRONT HIM AND THEN KICK HIS BUTT

4. PUT UP A COLUMN POSTER

## Off Course

By Hugo

DO YOU WANT TO GO SEE A MOVIE TONIGHT?

ICAN'T, I'M BUSY

BUSY? IT'S THE FRIDAY BEFORE SPRING BREAK?

HOW CAN YOU BE BUSY?

YOU MUST HAVE A HOT DATE OR SOMETHING

SORT OF

THAT NIGHT...

THANKS FOR COMING OVER TO LOOK AT MY WATER HEATER

©1997 H. MAYALA  
3/21

HUGO

## RHINO MAN

by Zachary Emig

What's the matter, Dr. Sasori? Too gutless to take me on man-to-man? You're always letting your robots do the dirty work.

KAIBATSU 5! Destroy him!!!

That's what I thought. It looks like I'm gonna have to take your toy apart...

...piece by piece!

email: zbemig@mit.edu

© 1997 Zachary Emig

To be continued...

## tumbleweed garden

pawan sinha

Where does the MIT student go during spring-break? Harvard's Prof. E.O. Wilson has been trying to unravel this last great mystery of the natural world. The project is funded by a 5 million dollar grant from the Smithsonian.

Tell us then, Prof. Wilson, where do MIT students go during spring-break?

Nowhere! No #%&\*@# where! My research report is a complete blank! Those Smithsonian goons are going to kill me!

That's for damn sure, Wilson boy!

For Chrissakes, why don't you MIT kids get off your butts and go somewhere this spring-break?! Prof. Wilson's life is on the line!

You should've stuck with ants, Wilson boy!...

Please, please, please!!

**Note from the editors:**

Don't be swayed by such seditious messages. Harvard professors come and go, but MIT traditions can't be messed around with.

Special spring-break offer: FREE ethernet connection to your dorm-room with the purchase of every 45¢ burrito at LaVerde's!

SMITHSONIAN GRANTS OFFICE

## Popular Music

**Jiggle the Handle/The Silp/Gordon Stone Trio**  
Middle East. March 21, 9:30 p.m. 18+, \$8. Call 864-EAST.

**Luscious Jackson/The Eels**  
Avalon. March 25, 8 p.m. doors, 18+, \$14, call 931-2000.

**Percy Hill**  
Paradise. April 2, 8 p.m. doors, 18+, \$8, call 931-2000.

**moe**  
Somerville Theater. April 3, 8:30 p.m. doors, \$12, call 931-2000.

**Squirrel Nut Zippers**  
The Roxy Ballroom. April 4, 6:30 p.m., doors 21+ \$15.50, call 931-2000.

**They Might Be Giants**  
\*half "old school" without the band\*  
Avalon. April 5, 6 p.m. doors, 18+, \$15, call 931-2000

## Classical Music

**The Longy School of Music**  
One Follen St., Cambridge. Information: 876-0956, x120.

**Clara Schumann and Friends.** March 21, 4 p.m. Admission: free. The Bunting Institute of Radcliffe presents a lecture/rectal by pianist Veronica Jochum.

**Contemporary Piano Seminar.** March 22, 8 p.m.; March 23, 1:30 p.m. The Piano Department at Longy presents a Concert of Contemporary Piano Works featuring music of Schoenberg, Tcherenpin, Rabbee, Carter, and others.

**Longy Chamber Singers.** March 23, 7 p.m. Conducted by Lorna Cooke deVaron, presents choruses from English operas by Purcell, Vaughan Williams, Schubert's Mass in G and the 92nd Psalm "Song for the Sabbath" (in Hebrew).

**Faculty Artist Series.** March 24, 8 p.m. Tom Noren, guitar, performs music of Britten, Takemitsu, and others.

**Master Class.** March 27, 12:30 p.m. Admission: \$45 participant; \$10 auditor. Thomas Paul, professor at Eastman School of Music, presents a master class entitled *Singing Schubert Lieder*.

**Benefit Concert Series.** March 29, 8 p.m. The Naumburg-Award-winning Brentano String Quartet with guest violist Samuel Rhodes of the Juilliard String Quartet presents music of Schubert, Mozart, and Osvaldo Golijov.

**Schubert Bicentennial Celebration.** March 30, 7 p.m. Gust bass Thomas Paul and pianist Victor Rosenbaum perform Songs for Bass and Piano; Rosenbaum also will perform the *Sonata in B flat Major, D. 960*.

**Symphony Hall Open House**  
Symphony Hall, 301 Massachusetts Ave., Boston. March 22, 11 a.m.-4 p.m. Admission: free. Information: 638-9281. Tours, performances, demonstrations, and a chance to meet musicians associated with the BSO.

## Film

**The Museum at the John F. Kennedy Library**  
Columbia Point, Boston. Through June 1:

Fri.-Thurs., 9 a.m.-5 p.m. Admission: \$6; seniors and students, \$4; ages 6-12, \$2; under 6, free. Information: 929-4523. Films run continuously during the day.  
**Cuban Missile Crisis.** Film documenting the October 1962 confrontation with the Soviet Union. Through June 1.  
**Fight Against Segregation.** A film on events leading up to JFK's national address on civil rights.  
**Son of Ireland.** Portrays Kennedy's visit to his ancestral home. Through June 1.

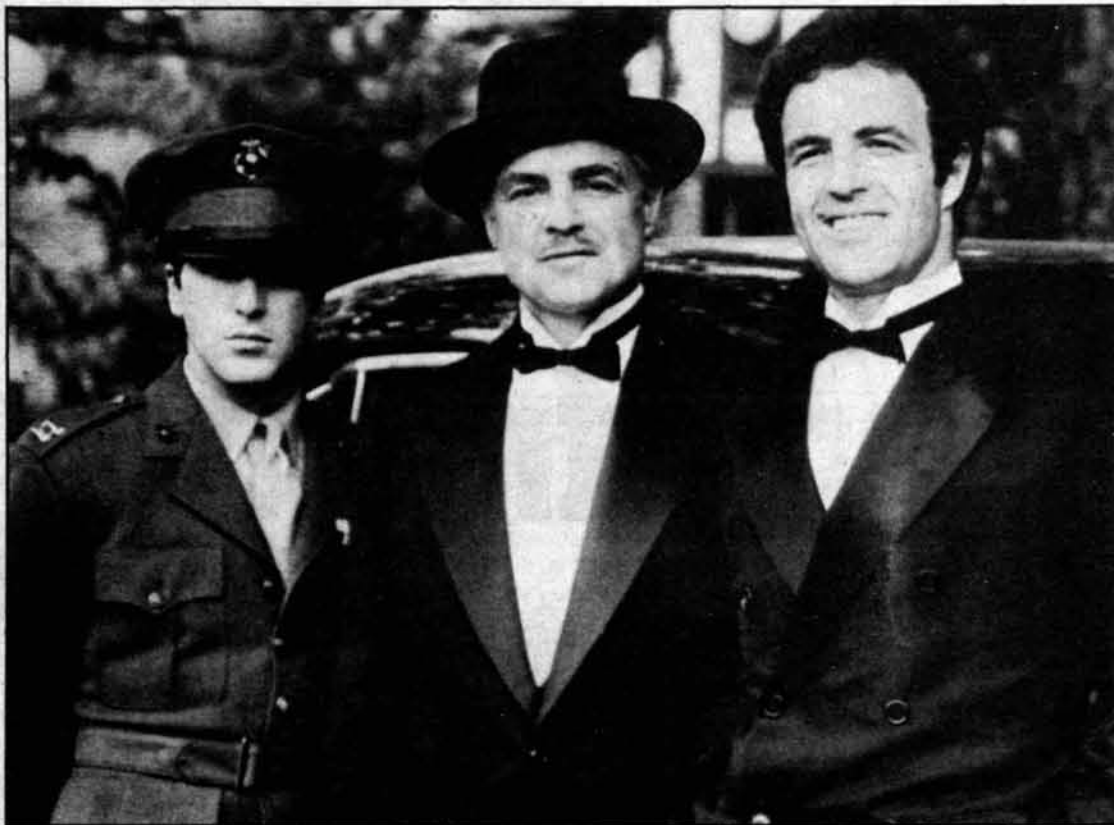
**Boston Public Library**  
Copley Square, Boston. Admission: free. Information: 536-5400 ext. 212.  
**Father of the Bride.** March 24, 6 p.m.  
**Father's Little Dividend.** March 31, 6 p.m.

**Boston Film Video Foundation**  
1126 Boylston St., Suite 201, Boston. March 27, 6 p.m. Admission: \$15 members, \$20 non-members. Information: 536-1540. Michael Jitlov, independent film-maker and special effects wizard, will screen selections from his work and unveil the secrets of special effects. Mr. Jitlov, who ghost-starred as the entire troop of *Avenging Spirits* in Paramount's mega-hit *Ghost*, is currently in Boston, post-producing his latest independent work, *The Hiking Viking*. Mike is a four-time Academy Award nominee and winner of the much harder-to-get President's Academy Award from the Academy of Science Fiction and Fantasy Films.

**Whales**  
Museum of Science, Science Park, Cambridge. Through April 30. Admission: \$7.50; seniors and ages 3-14, \$5.50 (Tues., bargain nights for all shows 7 p.m. and later, \$5; seniors and ages 3-14, \$3). Information: 723-2500. Film follows the life cycles and travels of blue, humpback, and right whales from Argentina to Alaska.

## Opening Theater

**mAlice: An Improv Tabloid Odyssey**  
Actors Workshop, 40 Boylston St., Boston. Starting March 21, through April 12, 8 p.m. Admission: \$10 if reserved in advance; \$12 at door; \$2 discount for students. Information: 887-2336. A foray into the surreal world of tabloid media, mAlice combines improvised scenes, music, video, and drawing as Alice negotiates the wonder world where personal



**The Godfather is being re-released today on its 25th anniversary. While it's not exactly Godfather: Special Edition, there is an improved print and digitally enhanced soundtrack.**

tragedy has been repackaged as popular entertainment.

## Ongoing Theater

**Rent**  
Shubert Theatre, 265 Tremont St., Boston. Through April 27. Tues.-Sat., 8 p.m.; Sun., 7 p.m.; matinees, Sat.-Sun., 2 p.m. Admission: \$25-\$67.50. Information: (800)447-7400. Musical based on Puccini's 1896 opera *La Boheme*.

## Dance

**Carmen**  
Boston Ballet, 19 Clarendon St., Boston. Through March 23. Admission: \$12.50-\$67. Information: 931-ARTS. Based on Prosper Merimée's novel, *Carmen* is a tragic tale of fatal attraction. In 19th century Seville, the lusty Carmen seduces a naive Army corporal, Don José, newly assigned to the village fortress. José abandons his career, his fiancée, and even his dying mother for the love of this sultry gypsy. But soon she spurns him in favor of the toreador Escamillo. Crazed with jealousy, José begs Carmen to return to him, but her taunting declaration of independence results in tragedy. As the sultry Carmen sings in the famous *Habanera*, "Love is a rebellious bird that no one can tame."

## Exhibits

**MIT Museum**  
265 Massachusetts Ave., Cambridge. Tues.-Fri., 10 a.m.-5 p.m.; Sat.-Sun., noon-5 p.m. Admission: \$3; non-MIT students, seniors, and under 12, \$1; MIT students, free. Information: 253-4444.  
**What's So Funny About Science?** Cartoons of Sidney Harris offer a hilarious look at unexpected and incongruous moments in science. Through May 31.  
**Maps from the Age of Atlases.** Rare maps from the Museum's Hart Nautical Collections illuminate the golden age of cartography. Through May 4.  
**Gestural Engineering: The Sculpture of Arthur Ganson.** Ganson's kinetic sculptures exude the wit of their creator, a self-described cross between a mechanical engineer and a choreographer. Ongoing.  
**Lightforest: The Holographic Rainforest.** Large-scale hologram exhibit by Betsy Connors. Ongoing.  
**Holography.** The exhibition explores the

holographic universe from its inception in the late 1940s through its artistic and technical evolution and highlights works by the world's foremost holographers. Ongoing.  
**Math in 3D.** Morton C. Bradley's mathematical sculptures inspire inventors of all ages to create their own structures in the adjacent Mathspace activity center. Ongoing.  
**MIT Hall of Hacks.** Chronicling MIT's rich hacking tradition, this exhibition features historic photographs and a collection of artifacts. Ongoing.  
**Light Sculptures.** Vivid interactive plasma sculptures by Center for Advanced Visual Studies alumnus Bill Parker. Ongoing.

**Hart Nautical Gallery**  
55 Massachusetts Ave., Cambridge. Mon.-Sun., 9 a.m.-8 p.m. Admission: free. Information: 253-4444.  
**Ships for Victory: American Shipbuilding's Finest Hour.** Historic photographs and artifacts explore the shipbuilding programs of World War II, the vital and unprecedented contribution of women to these programs, and MIT's pivotal role in the shipbuilding effort. Ongoing.  
**Ship Models.** Rare models illustrate the evolution of ship design from the 16th to 20th centuries. Ongoing.

**On the Surface of Things: Images in Science and Engineering by Felice Frankel.**  
Compton Gallery, 77 Massachusetts Ave., Cambridge. Feb. 14-June 27: Mon.-Sun., 9 a.m.-8 p.m. Admission: free. Information: 253-4444. Stunning photographs communicate recent research in a variety of disciplines at MIT and other institutions.

**List Visual Arts Center**  
20 Ames St., Cambridge. Through March 29: Sat., Sun., Tues.-Thurs., noon-6 p.m.; Fri., noon-8 p.m. Admission: free. Information: 253-4680.  
**Joseph Kosuth: Redefining the Context of Art: 1968-1997.** Works by this renowned Conceptual artist.  
**The Shape of Breath.** Works by this Seattle-based artist. Explores the metaphorical properties of materials.  
**Port: Navigating Digital Culture.** Exhibition of collaborative, performative art projects taking place over the Internet.

**The Race to the Moon**  
The Museum at the John F. Kennedy Library, Off Morrissey Boulevard, Dorchester. Through June 1: Fri.-Thurs., 9 a.m.-5 p.m. Admission: \$6; seniors and students, \$4; ages 6-12, \$2; under 6, free. Information: 929-4523. Exhibit on America's pioneering space exploration.

**Museum of Fine Arts**  
465 Huntington Ave., Boston. Mon.-Tues., 10 a.m.-4:45 p.m.;

Wed.-Fri., 10 a.m.-9:45 p.m.; Sat.-Sun., 10 a.m.-5:45 p.m. Admission: \$10; seniors and college students, \$8; ages 17 and under, free; Wed. after 4 p.m., voluntary contribution; Thurs.-Fri., after 5 p.m., \$2 discount. Information: 267-9300.

**Face and Figure in Contemporary Art.** Survey of the variety and complexity of contemporary approaches to the theme of the human figure. Through March.

**Dressing Up: Children's Fashions 1720-1920.** Explores the relationship between children's and adults' fashions in the past couple of centuries. More than 40 costumes, predominantly from the museum's permanent collection, are on view along with accessories, toys, dolls, furniture, and paintings. Through March 23.

**The Art of John Biggers: View from the Upper Room.** Exhibit of the black artist's drawings, prints, paintings, and sculptures. Through April 20.

**Beyond the Screen: Chinese Furniture of the 16th and 17th Centuries.** The exhibit aims not only to explore the beauty of Chinese art forms, but also to carry the viewer into the physical surroundings of their time. Through May 18.

**This is the Modern World: Furnishings of the 20th Century.** The exhibit relates the look of objects intended for everyday use to the creative vision of the artist-maker or designer, and the demands of technology, function, cost, and the needs and desires of the potential buyer or user. Through September.

**Trailer Park Memoirs and Shotgun Weddings**

The Revolving Museum, 228-300 A St., Boston. Through Mar. 31. Wed.-Sat., 12-6 p.m. Admission: free. Information: 439-8617. The exhibit is a collaborative project that explores the psychological complexities of contemporary domestic lifestyles. Featuring over thirty visual, performing and literary artists, this event will create an energetic atmosphere that is humorous, heartbreaking and provocative.

**Arthur M. Sackler Museum**  
485 Broadway, Cambridge. Mon.-Sat., 10 a.m.-5 p.m.; Sun., 1-5 p.m. Admission: \$5; seniors, \$4; students, \$3; under 18 and Saturday morning, free. Information: 495-9400.

**Masterworks of Ukiyo-e.** Printed works by two important artists of the period, Toshusai Sharaku (active 1794-1795) and Kitagawa Utamaro (1754-1806). Through Feb. 16.

**Building the Collective: Soviet Graphic Design, 1917-1937.** Over 100 posters and graphic work on display. Through March 30.

## On Campus

### Theater

#### Life and Death of King John

La Sala de Puerto Rico, Student Center, 84 Massachusetts Ave., Cambridge. March 21, and 22. Admission: students and seniors, \$5; general public, \$7. Information: [ensemble@mit.edu](mailto:ensemble@mit.edu). The Shakespeare Ensemble presents *The Life and Death of King John*, a history not often played. A middle-period work, this play combines dramatic conflicts with nagging questions of succession, loyalty, and kingly rights. Direction by visiting lecturer and drama coach Tina Packer of Shakespeare and Co.

### Classical Music

#### Mithas

Killian Hall, 160 Memorial Dr., Cambridge. March 21, 8 p.m. Admission: \$15, \$12, \$10; \$2 with MIT ID. Information: 258-7971. Bharati Nanavati, khyal singer, accompanied by Sunil Banerjee, tabla. The music of Bade Ghulam Ali Khan is passed on to the younger generation.

#### AMP Student Recital

Killian Hall, 160 Memorial Dr., Cambridge. April 2, 5 p.m. Admission: free. Information: 253-9800. Gary Crichlow, tenor/countertenor; Youssef Marzouk '97, piano. Handel, *Siete rose*; C. Shadle, *Cycle*; Wolf, *Ein Standchen Euch zu bringen*, *Aun lass uns Frieden schliesse*, *Auch Kleine Dinge*; Mompou, *Deux Melodies*, *Cantar de alma*; Vivaldi, *Cantata*.

#### MIT Chapel Series

MIT Chapel, across from 77 Massachusetts Ave., Cambridge. April 3, noon. Admission: free. Information: 253-9800. Glorianne Collver-Jacobson, guitar. Works by Brazilian composers Villa Lobos, Garoto, Baden Powell, and Savio.

**On The Town, from Page 12**

**Computer Museum, Museum Wharf**  
300 Congress St., Boston. Two blocks from South Station T station. Tues.-Sun., 10 a.m.-5 p.m. Admission: \$7; seniors and students ages 5 and up, \$5; ages 4 and under, free; Sun., 3-5 p.m., half-price. Information: 423-6758.  
**Robots! Robots! Robots!** Guided explorations into the world of robots and artificial intelligence. Through Feb. 23.  
**Mission Impossible.** Discover the difference between humans and smart machines, self-guided activities, talk with

a computer program.

**Botticelli's Witness: Changing Style in a Changing Florence**  
Isabella Stewart Gardner Museum, 280 The Fenway, Boston. Through April 6: Tues.-Sun., 11 a.m.-5 p.m. Admission: \$9; seniors, \$7; college students with ID, \$5; ages 12-17, \$3; under 12, free. Information: 566-1401. Works by Sandro Botticelli, one of the most influential artists of the Italian Renaissance.

**USS Constitution Museum**  
Navy Yard, Charlestown. Mon.-Sun., 10

a.m.-4 p.m. Admission: \$4; seniors, \$3; ages 6-16, \$2; under 6, free; under 16 when unaccompanied by an adult, free. Information: 426-1812.

**Old Ironsides in War and Peace.** Retrospective celebrating the USS Constitution's upcoming 200th birthday. Includes artifacts such as the sea bag and possessions of an 1812 crew member, hands-on activities, and photographs. Ongoing.

**Strengthening Old Ironsides.** Color photographs documenting the four-year rehabilitation and restorations of the ship. Ongoing.

**Capturing Old Ironsides on Canvas.** Works

by artist Cheslie D'Andrea. Ongoing.

**Living with Ants and the Science of E.O. Wilson**  
Harvard Museums of Cultural and Natural History, 26 Oxford St., Cambridge. Through April 30: Mon.-Sat., 9 a.m.-5 p.m.; Sun., 1-5 p.m. Admission: \$5; seniors and students, \$4; ages 3-13, \$3; Sat. 9 a.m.-noon, free. Information: 495-3045.

**Clido Melreles**  
Institute of Contemporary Art, 955 Boylston St., Boston. Through March 30: Wed.-Sun., noon-5 p.m.; Thurs. until 9 p.m. Admission: \$5.25; students with ID, \$3.25; children and seniors, \$2.25; free Thurs. after 5 p.m. Information: 266-5152. Survey exhibit of the works by this Brazilian artist.

**Building the Collective: Soviet Graphic Design, 1917-1937**  
Busch-Reisinger Museum, 32 Quincy St., Cambridge. Through March 30: Mon.-Sat., 10 a.m.-5 p.m.; Sun., 1-5 p.m. Admission: \$5; seniors, \$4; students, \$3; under 18 and Saturday morning, free. Information: 495-9400.

**Inside Fort Independence: An Archaeological View of Military Life**  
Commonwealth Museum, 220 Morrissey Blvd., Dorchester. Mon.-Fri., 9 a.m.-5 p.m.; Sat., 9 a.m.-3 p.m. Admission: free. Information: 727-9268.

**The Pyramids and the Sphinx: 100 Years of American Archaeology at Giza**  
Semitic Museum, Harvard University, 6 Divinity Ave., Cambridge. Mon.-Fri., 10 a.m.-4 p.m.; Sun., 1-4 p.m. Admission: free. Information: 495-4631. Collection of photos and artifacts. Ongoing.

**New England Aquarium**  
Central Wharf, Boston. Mon.-Fri., 9 a.m.-5 p.m.; Sat.-Sun. and holidays, 9 a.m.-6 p.m. Admission: ages 12 and up, \$9.50; seniors, \$8.50; ages 3-11, \$5; under 3, free. Information: 973-5200.  
**The Otter Limits.** Construction relocation of aquarium's colony of harbor seals and sea otters to a new, enlarged habitat behind the aquarium.

**Ponds: The Earth's Eyes.** Self-guided tour of freshwater habitats.

**Go with the Flow.** Problems and solutions for Boston Harbor.

**Giant Ocean Tank.** 187,000-gallon coral reef tank.

**Rivers of Americas: Amazon and Connecticut.**

**Old State House Museum**  
State and Washington Streets, Boston. Mon.-Sun., 9:30 a.m.-5 p.m. Admission: \$3; seniors and students, \$2; children, \$1.50. Information: 720-3290.

**Trophies and Treasures: Two Centuries of Luxury at Shreve, Crump and Low.** Through July 31.

**When the Boys Came Marching Home.** Everyday life in post-World War II Boston. Through August.

**Museum of Our National Heritage**  
33 Marrett Rd., Lexington. Mon.-Sat., 10 a.m.-5 p.m.; Sun., noon-5 p.m. Admission: free. Information: 861-6559.

**Collecting the Southwest: The Harvey Family Legacy.** The Harvey Company was instrumental in opening the southwest to commercial tourism at the turn of the century. Premiere examples of native American weavings and paintings are found in two exhibitions. Through Sept. 14.

**The Art and Artistry of Appliqué.** These appliqué quilts made between 1845 and 1895 are selected from the collection of Robert and Ardis James. Through March 23.

**Over There: The Yankee Division in World War I.** The story of the 26th "Yankee" Division is dramatized through military artifacts, documentary photographs, and memorabilia from the homefront. Through June 22.

**Original Visions: Shifting the Paradigm, Women's Art 1970-1996**

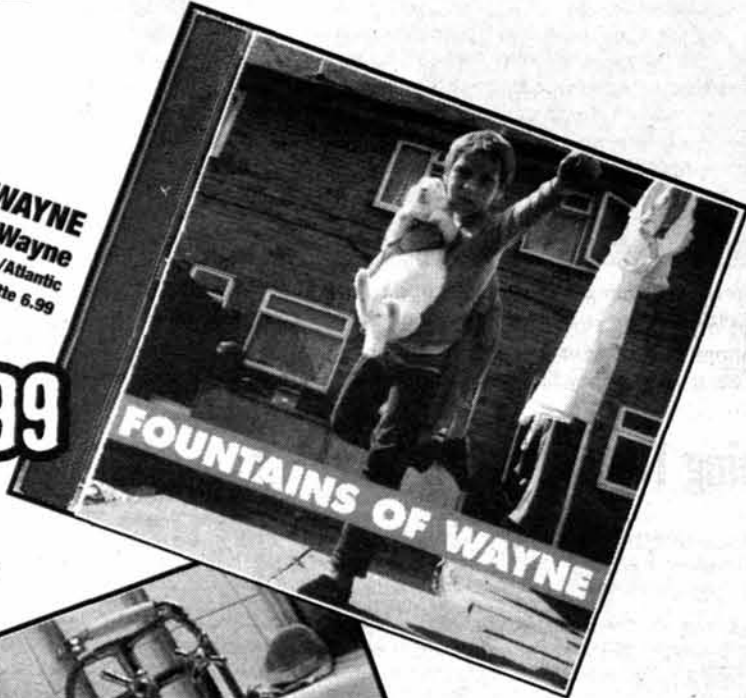
Boston College Museum of Art, 140 Commonwealth Ave., Chestnut Hill. Through May 18. Mon.-Fri., 11 a.m.-4 p.m.; Sat.-Sun., noon-5 p.m. Admission: free. Information: 552-8100. Exhibit includes paintings, photographs and sculptures.

# We ARE the music department.

NEW RELEASE TUESDAYS - 3/25 - Matthew Sweet - Wild Orchid - Warren G

**FOUNTAINS OF WAYNE**  
Fountains of Wayne  
Tag/Atlantic  
Cassette 6.99

**\$9.99**



**\$12.99**

FLUENT IN MUSIC.

**sam goody**  
**40!**  
Legendary Years  
Est. 1957

FOR STORE LOCATION NEAR YA, CALL TOLL FREE 1-888-REPLAY-1.

## UROP

MIT Laboratory for Computer Science  
UROP Summer Studies Program, 1997

This summer program is intended for undergraduate students who are interested in participating in research projects in the Laboratory for Computer Science. Although no prior experience is necessary, pay under this UROP Summer Studies Program is commensurate with experience, and the program is open to all undergraduates not currently or formally associated with the Laboratory. Students are expected to continue work in the fall semester (either for credit or for pay). We hope to identify creative and energetic undergraduate students interested in computer science and to encourage their development. An informational meeting will be held:

Thursday, April 3, NE43-518 4:00 pm

If you are unable to attend but are still interested in the program, send e-mail to [denise@hq.lcs.mit.edu](mailto:denise@hq.lcs.mit.edu)

See why we're one of the most popular programs in New England!

SUMMER '97

at UMass Boston

- You'll benefit from
- our distinguished faculty
  - morning, midday, afternoon, and evening classes
  - over 400 course sections
  - our convenient Boston Harbor location
  - sessions starting May 27, June 30, and July 14
  - mail, phone, fax, or walk-in registration
  - and costs you can afford.

Here's how to get in touch!

Tel: 617 287-7904  
Fax: 617 287-7922  
Email: [dce@umbsky.cc.umb.edu](mailto:dce@umbsky.cc.umb.edu)  
Web: [www.conted.umb.edu](http://www.conted.umb.edu)  
Mail:  
UMass Boston Summer Sessions  
Division of Continuing Education  
100 Morrissey Blvd.  
Boston, MA 02125-3393

Name

Street address

City, state, zip

UMass Boston

NEW YORK • LOS ANGELES • CHICAGO • ASPEN • MINNEAPOLIS • DETROIT • SAN JOSE • MILWAUKEE • DALLAS/FORT WORTH • MEMPHIS • BALTIMORE • PUERTO RICO • TOKYO • TUSCALOOSA AND EVERYWHERE IN BETWEEN.

Agreement at the back of the program booklet

# Barlow, Schiller Grateful for Privacy in Cyberspace

By Jennifer Lane  
CONTRIBUTING EDITOR

An eclectic crowd, cryptography hacker and societal critic alike, gathered in 6-120 Tuesday night to discuss security on the Internet with John Perry Barlow, co-founder of the Electronic Frontier Foundation and former lyricist for the Grateful Dead, and Jerry I. Schiller '79, network manager for Information Systems.

Professor of Electrical Engineering and Computer Science Ronald L. Rivest moderated the discussion entitled, "Internet Rights Versus Internet Security," sponsored by the Technology and Culture Forum at MIT.

Rivest first remarked that he would have preferred the discussion to be entitled Internet rights and Internet security. Indeed, Barlow and Schiller would speak little of trading rights for security, but rather of how to integrate the two.

Schiller spoke first and drew on experiences with e-mail he regularly receives at *postmaster@mit.edu*, the address to reach e-mail system administrators, to entertain the audience and supplement his more serious qualifications such as manager of MIT's campus computer network and author of MIT's Kerberos authentication system.

## Schiller emphasizes security

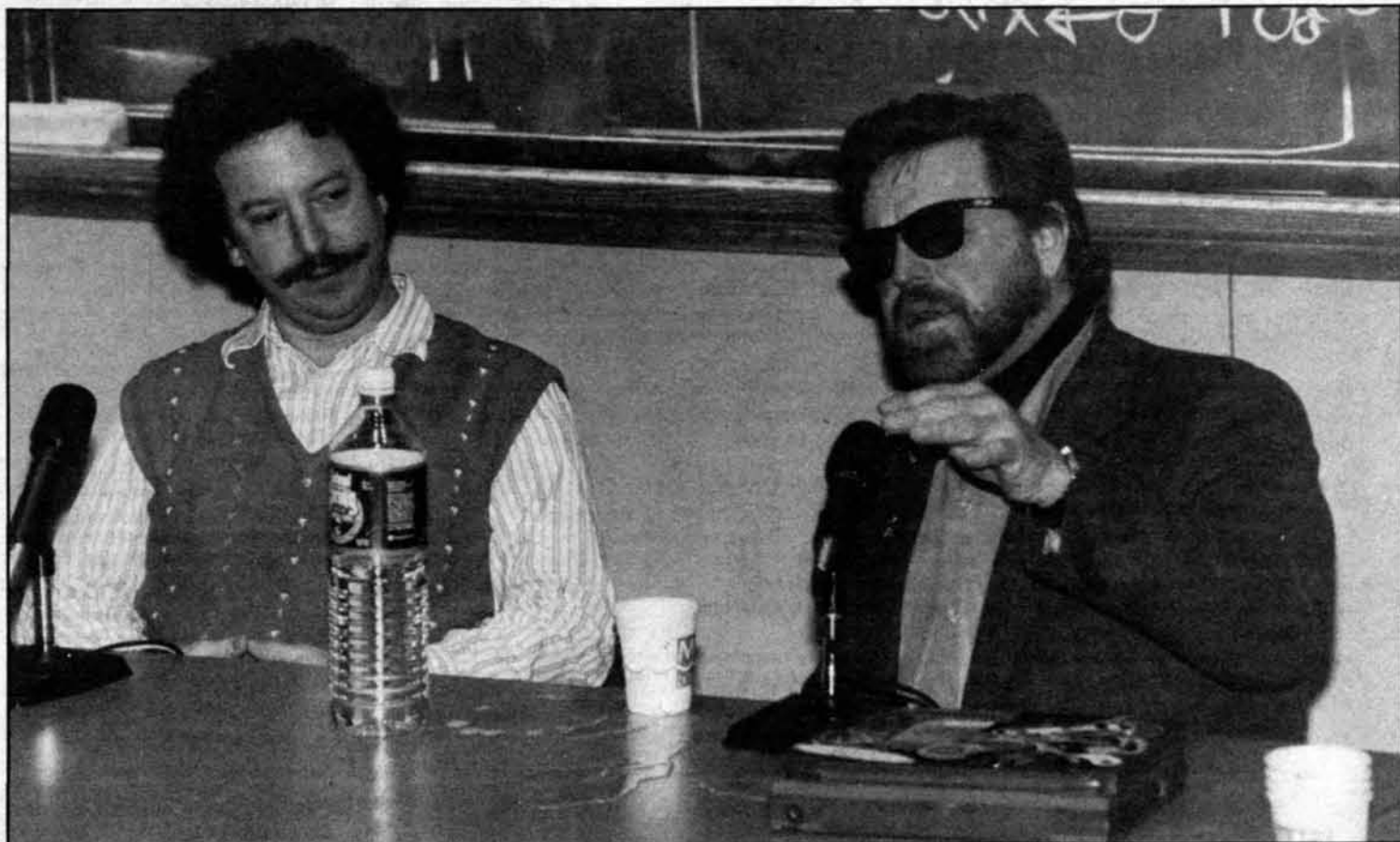
Ultimately, Schiller said, it is "important that we have a way to protect our privacy from those who would think otherwise." But, "would you tear out all the pay phones in the world just to make sure people cannot make anonymous phone calls?"

The Internet has some important evolutionary steps to overcome before it is treated like other media, he said. "We're in a funny state of the evolution of the Internet. ... It has gone from the communication media of computers to the communication media of people, but socially and politically, we haven't gotten there yet."

Defining free speech is a whole separate issue. The Internet needs to evolve into "a communications medium where if someone says something you don't like, it's either illegal and the authorities are contacted, or it's not illegal and life is just tough."

The key party that has been left out of the Internet explosion is the government, Schiller said. With their interest in a key escrow system whereby the government would have the ability to break any encrypted message, the "United States government has completely discredited itself," Schiller said.

While almost everyone is interested in security, they expect it is something that can just be tacked on to a project, he said. No one is willing "to sacrifice whiz-bang to get



JIRI SCHINDLER—THE TECH

Jeffrey I. Schiller '79 listens to John Perry Barlow, a lyricist for Grateful Dead, as Barlow describes how the government is ignorant of technological issues in front of a packed 6-120 audience on Tuesday.

safe," he said.

It is here that the government could take an active role in enforcing security standards for public safety, much like seat belts in automobiles. "Without the government to set the rules, we have the market. The market is clueless," Schiller said.

## Barlow fields audience questions

Schiller then yielded the floor to Barlow, a former Wyoming cattle rancher, who spent the entire evening clad in purple sunglasses. Barlow promptly declared himself "dedicated to the elimination of broadcast media" and solicited questions from the audience.

Initial questions focused on the government's role in Internet security.

The U.S. government poses little practical threat to Internet communications, Barlow said. "They are so completely anti-clueful. ... They are not able to do very much."

Barlow contended that the government, through key escrow, wanted nothing more than the power they have in a conventional telephone wiretap. Government officials, however, did not know the difference between a wiretap and the proposed centralized access to any cyberspace communication at any time, Barlow said. They are "so technologically incompetent that they are innocent of the evils they propose."

Besides, "in an anti-sovereign environment like cyberspace, you

must recognize that the technical architecture is politics," he said. "The Internet treats censorship as a malfunction and routes around it."

As the Internet grows, all of our notions of privacy, government, communication, and life in general are about to significantly change, he said. "I think that we are at the precipice of a completely different kind of human," Barlow said.

Although he acknowledged that society was a long way from reaching the goal, he remarked briefly on the concept of people connected directly through neural synapses. "The very nature of privacy could change dramatically," he said.

## Barlow advocates frontier society

Barlow grew up in rural Wyoming, where "everyone knows everything about everyone, even things that aren't true," he said. Inquiring about Barlow at the Wrangler Cafe would probably result in a stream of information, much of which Barlow wasn't even aware of, he said.

However, there is a built-in mechanism in the community for placing his actions in context. People won't be as alarmed by his actions as they would be of a stranger's. "I may be a weirdo, but I'm their weirdo."

On the Internet, people leave a data trail that can reveal a lot about them. We're "going to have to get used to an environment where people are going to know a lot more

than they do now," Barlow said.

What Barlow proceeded to advocate was a frontier system where people can rely on ethics and culture to be their common police: a society where people work their differences out one-on-one. This is exactly what is happening on the Internet, and it has been able to sustain magnanimous growth, he said.

Not only must we address the questions of how much security we want, how we want to get it, and who we want to be secure against, but we must be ready to adapt to rapidly changing institutions, he said.

## Large institutions will collapse

"We are at the end of an economic era and at the beginning of a time when everything you know is wrong and many current institutions no longer make sense," Barlow said.

Customs and trade, for instance, are still measured by things that the customs department can place a stamp on. It is no wonder, then, that the United States will begin to fall short in trade, Barlow said. "We are not in the stuff business any more."

Big companies will also be forced to change dramatically, Barlow said.

"The multinational corporation is as doomed as the nation-state," he said. Basically, it does not pay to be a large company unless you are producing goods, Barlow said. Large size is a disadvantage to an information organization, the wave of the future, he said.

Large corporations often fail to understand the Internet concept, he said. The EFF was working a few years ago to stop the widespread use of the buzzword phrase "information superhighway."

However, Barlow soon realized that this was a fruitless endeavor. The outcome did not matter, as large corporations would soon be unable to productively use the Internet. "If you hear someone using the term 'information superhighway,' you can be certain he's a part of some large, doomed organization," he said.

## Federal government will fall

In response to a question over whether the government will forever remain too incompetent to interfere in Internet communications, Barlow admitted he did not think that government was going to simply vanish.

Rather, only the federal government was doomed, Barlow said. There will "always be local government, because that is where the body lives." Streets need to be plowed and tarred, and water still

needs to flow through the pipes, he said. Additionally, local government is funded through easily-defined means of sales or property tax.

The federal government, on the other hand, is dependent on income taxes which are harder to track, Barlow said. Banks, once the trusted third party used to keep records of income, may fall by the wayside. At that point, income tax may become voluntary, he said.

"Boundaries on the map are increasingly irrelevant," Barlow said. "Now the body can be easily divorced from an offensive action." This will pose a serious jurisdiction problem for governments, because the authorities "don't know where the body is or even if there is one."

When asked if the government may have any legitimate concerns in regulating cyberspace, Schiller said, "As soon as you buy the argument that there is a legitimate interest, you have lost."

Barlow agreed, contending that the government was overcompensating for a danger that is not present. They are "trying to prevent any possible bad thing that might happen," he said. They begin to "advocate a balance that would skew things toward totalitarian control," he said.

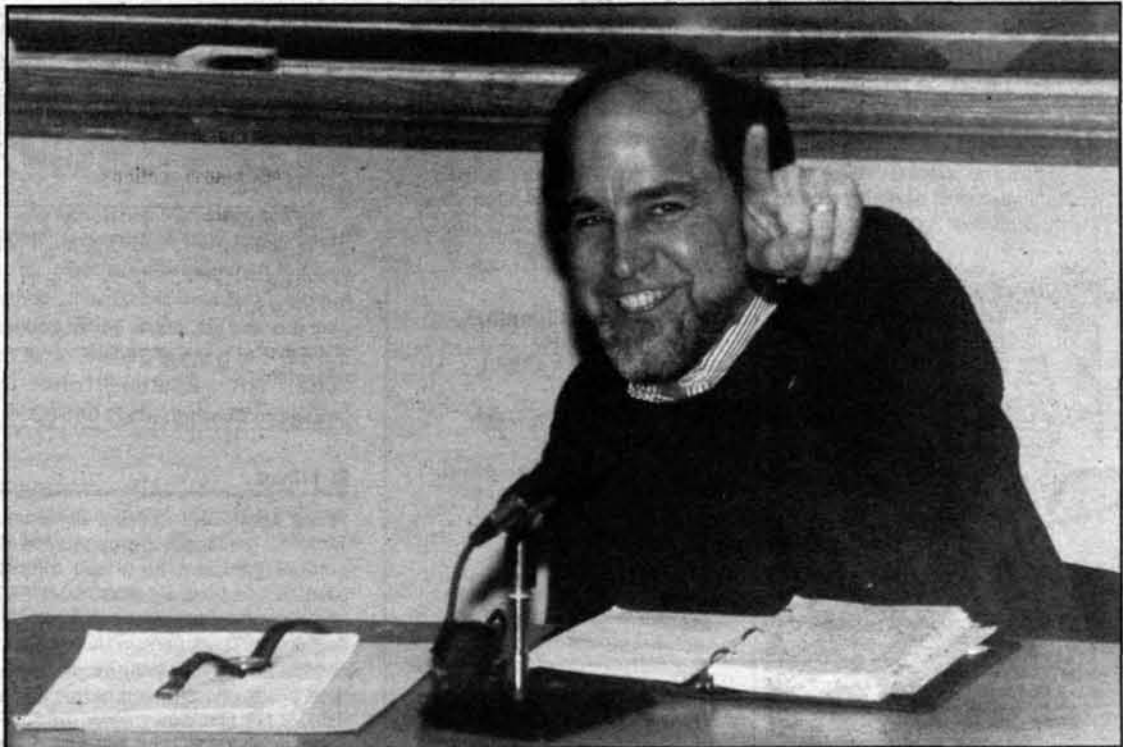
## Barlow on spam, PGP, and Emacs

In reference to a conversation Schiller began earlier, a question was posed to Barlow over spamming, the practice of sending large amounts of unwanted e-mail, often to attempt to sell or solicit something.

Barlow's response came quickly. "Spamming is like heavy cocaine use. It's self-regulating. When you do it enough, you realize it isn't very good." Once spammers see that their returns are not very high, the practice will cease to be lucrative, Barlow said. "The market will take care of spammers."

When asked why Pretty Good Privacy, a public/private key security system developed by Phil Zimmerman, was not in more widespread use, Barlow noted that user-friendly mail systems like Eudora still do not interface well with PGP. "Everyone who put together a user interface for PGP is a complete nerd," he said.

Later, Patrick J. Lopresti G, pointed out that users who utilize Emacs to read and send mail can take advantage of an "excellent" user interface to PGP that he developed. Barlow's response was that "anyone who uses Emacs has a completely different idea of an excellent user interface."



JIRI SCHINDLER—THE TECH

Associate Director of the Laboratory for Computer Science Ronald L. Rivest, moderator of Tuesday's "Internet Rights Versus Internet Security" discussion in 6-120, selects a question from the audience.

# Donnelley Enterprise Solutions Incorporated

Where leading talent finds leading technology.



**INFO. SESSION:** Wed., April 2 - 6pm-8pm  
**INTERVIEWS:** Thurs., April 3 - 9am-5pm  
**CONTACT:** Career Services Office

As an upcoming graduate of a leading institute or university, you deserve an opportunity to work with the finest talent in your field. At Donnelley Enterprise Solutions Incorporated, we're inviting students to explore careers with any of our three divisions:

- LANSystems:** Our state of the art systems integration division.
- Systems Management Group:** Our on-site and remote systems management service division.
- Donnelley Business Services:** Our office-services outsourcing division.

As a leader in creating systems solutions for Fortune 1000 companies and top-tier law firms, we offer an environment that encourages initiative and rewards achievement. We have opportunities across the country for talented individuals who possess or expect a BS/MS in CS, CIS, EE or Mathematics. Individuals with an MBA or Business Management background will also be considered. We continually have IT positions available in the following areas:

- Network/Systems Engineering
- Systems Development
- Network Management
- Project Management
- Client Engagement Management
- Strategic Sales
- Help Desk

Along with career advancement potential, we offer an excellent compensation package, including first-rate benefits. For consideration, please send/fax your resume with salary requirements to:



## DONNELLEY ENTERPRISE SOLUTIONS INCORPORATED

Attn: Human Resources  
 300 Park Ave. South, New York, N.Y. 10010 • Fax: 212-995-7784  
 E-Mail: careers@desi.net  
 Visit our Web Site at: www.desi.net for more info. EOE

NEW YORK • WASHINGTON, DC • CHICAGO • DALLAS • LOS ANGELES • SAN FRANCISCO

## CLASSIFIED ADVERTISING

### Help Wanted

**Healthy men needed** as sperm donors. Help others and earn up to \$120/wk. Must be between 19-34 & 5'9" or over. Call 497-8646 to see if you qualify! California Cryobank, Inc., Cambridge.

**Advanced Internet** Web site creation - VirtuFlex software offers aspiring web developers weekly training sessions every Thursday evening from 7 pm to 9 pm. People with a basic working knowledge of HTML can learn more advanced methods of creating web sites for most telecommunications via the internet. This training seminar is free. Please call for more information: VirtuFlex Software 930 Mass. Ave. Cambridge, MA 02139. 617-497-8006 ext. 32. Or find out more via the internet: <http://www.virtuflex.com>.

**Visual C / Visual Basic** Programmers wanted - work at school or our office. Exciting Global Positioning System software. Salary negotiable, full or part-time. <http://www.teletype.com/gps>, 734-9700.

**Web page designer** to help create new web site, must be experienced, motivated, creative. Resume & URL references to 259 Walnut St. #2, Newton, MA 02160. Fax to 617-527-7074.

**College financial aid** - Student Financial Services has information on 3,400+ public and private sector funding sources. A must for anyone seeking financial aid! For information: call 1-800-263-6495 ext. F50332 (We are a research and publishing co.)

### Advertising Policy

Classified ads are due at 4:30 p.m. two days before day of publication, and must be prepaid and accompanied by a complete address and phone number. Send or bring ads. with payment, to W20-483 (84 Mass. Ave., Room 483, Cambridge, MA 02139). Account numbers for MIT departments accepted. Sorry, no "personal" ads. Contact our office for more details at 258-8324 (fax: 258-8226) or ads@tech.mit.edu.

\$5 per insertion per unit of 35 words.

### Help Wanted

**Students needed to pack** and ship parcels to be sent via UPS at the end of the semester. \$10/hour call 1(888)654-SHIP or e-mail upsn444@aol.com

**Reliable daytime dog walker** needed for M-F daily 15 minute walk in Cambridgeport. \$85/month. Call Chris at 876-2534.

**Fundraiser** - Motivated groups needed to earn \$500+ promoting AT&T, Discover, gas, and retail cards. Since 1969, we've helped thousands of groups raise the money they need. Call Gina at (800-592-2121x110. Free CD to qualified callers.

### Positions Wanted

**Person with 25 years of hands-on** experience in metal casting, lost wax and sand. Has strong problem solving ability, would be interested in working a few hours per month as a consultant, call 508-653-9484.

### For Sale

**8752 Integrity Five Station Brewer** with faucet for sale. Comes complete with line strainer, brew basket, and 25 paper filters. 115/230 volts 60/hz. 3500 watt tank element, total wattage: 4435 watts, 20 amps. 17 1/4" deep (including faucet) 23 11/16" wide, 21 7/8" high. Requires 3 wire ground cord, single phase. Decanters not included. Practically brand new, hardly used. Questions? Call 225-1500 and ask for Erica. Worth ~\$300; best offer.

**Memory for Macintosh PowerBook.** 8MB memory upgrade chip for 5300/2300 models. Over \$400 new; 8 months old for \$100. Contact daniels@the-tech.mit.edu.

**Seized cars** from \$175. Porsches, Cadillacs, Chevys, BMW's, Corvettes. Also Jeeps, 4WD's. Your Area, Toll Free 1-800-218-9000 ext. 3797 for current listings.

### Housing

**Roommate Wanted.** Starting April 1 we will be subletting one room in an expansive, four-bedroom apartment in Winter Hill, Somerville. Rent: \$366.00 + utilities. Contact Anders at (617) 629-5949 or anders@mit.edu.

**Spring Break - Daytona Beach** luxury oceanfront condo. Fully furnished, sleeps 6, beach, pool, jacuzzi, barbecues. March 22-29. All must be 21. \$700.00 Phone 561.589.1096 / CaptnJac@aol.com

**Starry Night Bed & Breakfast.** Brick colonial home, spacious rooms, a/c, marble fireplaced livingroom, continental breakfast, home baked goods. 4.5 miles to Harvard Square, close to Tufts, MIT, Boston. Drive to Lexington, Concord. (617) 646-8236.

### Travel

**Spring break '97!** Cancun, Bahamas, Jamaica & Florida. Campus reps & group organizers. Earn free trips & cash... Call us today 1-800-700-0790.

**Surf & Sun Tours** Cancun, Jamaica and Nassau \$399.00 all inclusive: air, trans, hotel (20 to choose from), 2 free meals daily, 3 hrs free drinks every night, VIP cover to all clubs. Call Toll free (888) 244 3733. Group discounts and greek specials. Ask how you can travel free.

## Discover a leader in technology and a world of opportunities with Sanders, A Lockheed Martin Company.

At Sanders, we are a recognized leader in the defense and commercial electronics industry with the strengths and resources of the Lockheed Martin Corporation. We have 250 active, ongoing projects and over 100 positions available for college graduates in **Computer Science, Electrical Engineering and Computer Engineering.**

Join us at our **Engineering Open House on Thursday, March 27th, 4-8pm** at the **Sheraton Tara Hotel in Nashua, NH.** You'll be able to meet directly with our hiring managers and see firsthand how our current projects can lead to unlimited career potential and advancement opportunities for you.

So, if you're ready to take on a world of new challenges, you need to attend our Engineering Open House. If you are unable to meet with us on Thursday, send your resume and salary requirements, in strictest confidences, to: **Sanders, A Lockheed Martin Company, Attn: 7505-CR, P.O. Box 2029, Nashua, NH 03061-2029; Email: kdunn@mailgw.sanders.lockheed.com**

For information on additional opportunities, visit our home page at: <http://www.sanders.com>

### The Sanders' Engineering Open House

Thursday, March 27th; 4pm-8pm  
 Sheraton Tara Hotel,  
 Tara Boulevard, Nashua NH

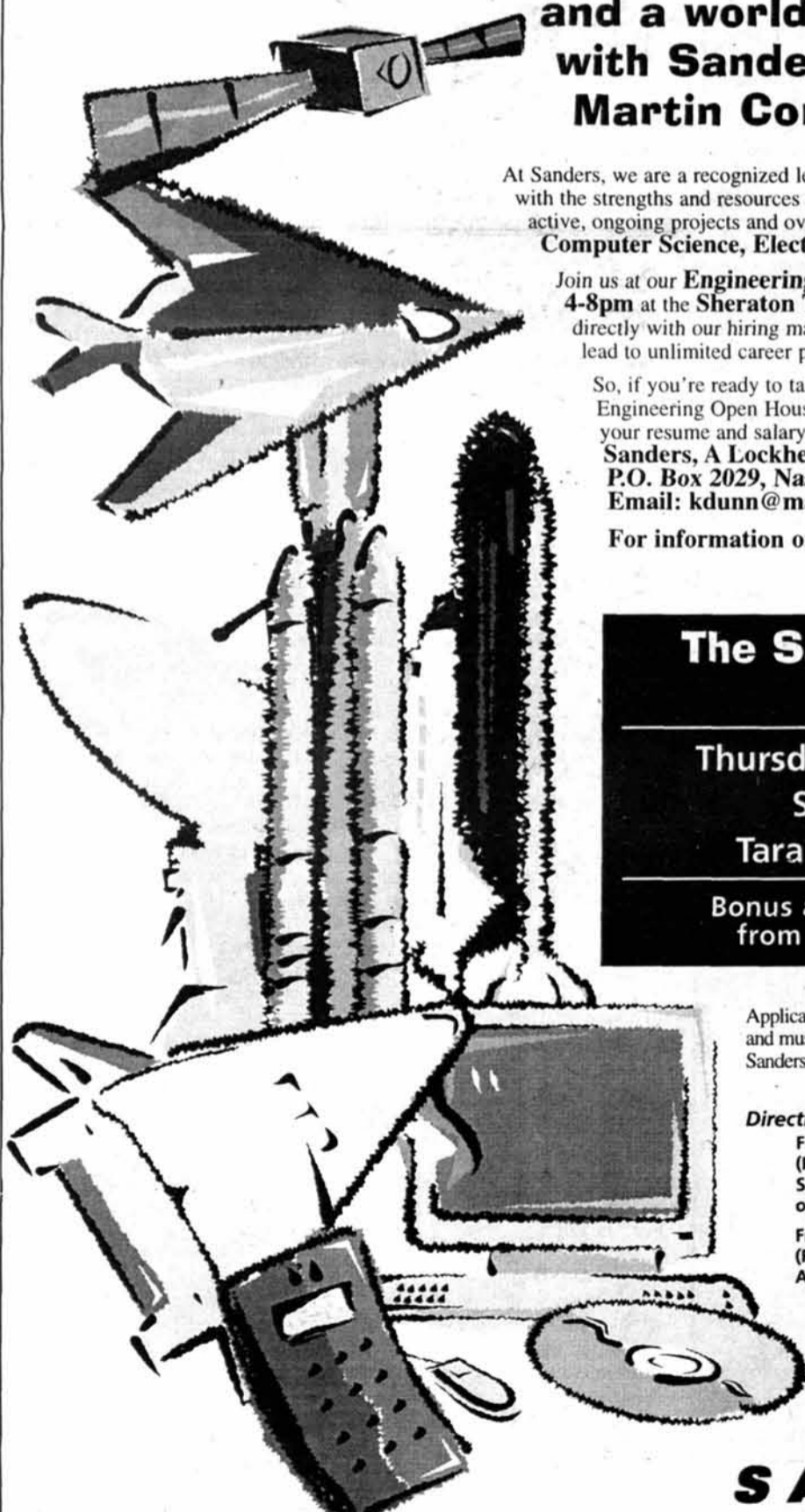
Bonus available for individuals hired from this special, one day event.

Applicants selected may be subject to a government security investigation and must meet eligibility requirements for access to classified information. Sanders is an equal opportunity/affirmative action employer.

#### Directions to the Sheraton Tara Hotel:

From the North: Take exit one off the Everett Turnpike (Rte. 3). Take a right at the end of the exit onto Spitbrook Road. At the 2nd set of lights, take a right onto Tara Boulevard.

From the South: Take exit one off the Everett Turnpike (Rte. 3). Take a left onto Spitbrook Road. At the third set of lights take a right onto Tara Boulevard.



**SANDERS**  
 A Lockheed Martin Company



# Studies Show Alcohol Adversely Affects Fraternities

Fraternities, from Page 1

attached to them, said President of SN Frederico Ardila '98. The policy "wouldn't be good or bad for us during rush; it would just be different."

"I believe that this decision will have its greatest effect on the social aspect of fraternity life," Gilon said. He suggests that non-fraternity members think about what would happen if dormitories adopted alcohol-free policies. Dorow issued a similar query.

Ardila does not think that national fraternities should force their chapter homes to be completely alcohol-free, he said. "I do think it is appropriate for the nationals to require each chapter to have a specific plan on how to use alcohol responsibly," he said.

## Sigma Nu prepares to comply

"Sigma Nu national fraternity takes pride in being a leader when it comes to risk reduction," Ardila said. SN has been considering alcohol-free chapter housing on a broad scale since 1994, he said.

Alcohol is not really very important in the MIT chapter of SN, Ardila said. More than half of house members drink very little or not at all, and there is no heavy drinking in the house, he said. SN has taken several steps towards guaranteeing responsible use of alcohol.

"Our house has several dry areas, and most of our social events are dry," Ardila said. Parties with alcohol at SN are closed and no heavy drinking takes place, he said.

There were mixed reactions to this policy change from SN members at MIT. Several members felt that this decision may be the best action at this point, while most feel that being a chapter that uses alcohol responsibly, the national fraternity should not make the decision for them, Ardila said.

Manley also expected other fraternities to follow their lead. Gilon said that he has a nagging feeling that if the alcohol-free program is successfully implemented by PDT and SN, other fraternities will adopt similar programs.

Ardila said that SN has more than 30 chapters currently pursuing the alcohol-free initiative, and all seem very happy with the results. "If this turns out to be successful, other national fraternities might also follow their lead."

According to *The Boston Globe*, Phi Delta Theta is based in Oxford, Ohio and has 180 chapters with 7,500 members. Sigma Nu has 210 chapters with 9,000 members and is based in Richmond, Va.

PDT President Michael P. Golding '97 could not be reached for comment.

## GPA's rise after alcohol banned

The national fraternities deter-

mined that after some chapters went alcohol-free, members' grade point averages increased. Dorow believes that an alcohol-free policy will definitely affect fraternity members' GPAs, since studies have shown that students with higher GPAs also consume less alcohol, he said.

At MIT, the average GPA of fraternity members, 4.1, is about the same as that of dormitory residents, Gilon said.

"I believe the only fraternity houses whose GPAs would change are those which do not currently use alcohol responsibly," Ardila said.

Despite GPA issues, "this decision was definitely economically-driven and mainly due to liability issues" and costs which national fraternities must contend with when alcohol-related incidents occur at local chapters, Gilon said.

"In order for PDT and SN to stay in business and to maintain themselves as national fraternities, they had to adopt such a policy," Dorow said.

Ardila thinks that the problem of alcohol on college campuses is getting out of hand nationwide. "We get news of alcohol-related accidents very often, particularly taking place in fraternities all across the nation. This not only affects the particular fraternities involved, it affects the whole fraternity system," he said.

## Study cites fraternity claims

A recent study by Harris and Harris of Kentucky, Inc., an insurance brokerage house, confirms that alcohol remains a major contributor to insurance claims against fraternities.

Harris and Harris studied more than 700 claims filed against fraternities between 1987 and 1995 and found that the majority of claims fell into several categories, in which alcohol was found to be a contributing factor to a large majority of these claims.

According to the study, 95 percent of the falls from roof cases, 94 percent of fights, 93 percent of sexual abuse incidents, and 87 percent of automobile accidents reportedly involved alcohol. Other categories of claims involving alcohol include hazing and slips and falls. Harris and Harris also found that underage drinking was involved in 61 percent of claims filed against fraternities. Of the alcohol-related claims in the study completed by Harris and Harris, 88 percent led to a fatality, while 81 percent resulted in paralysis.

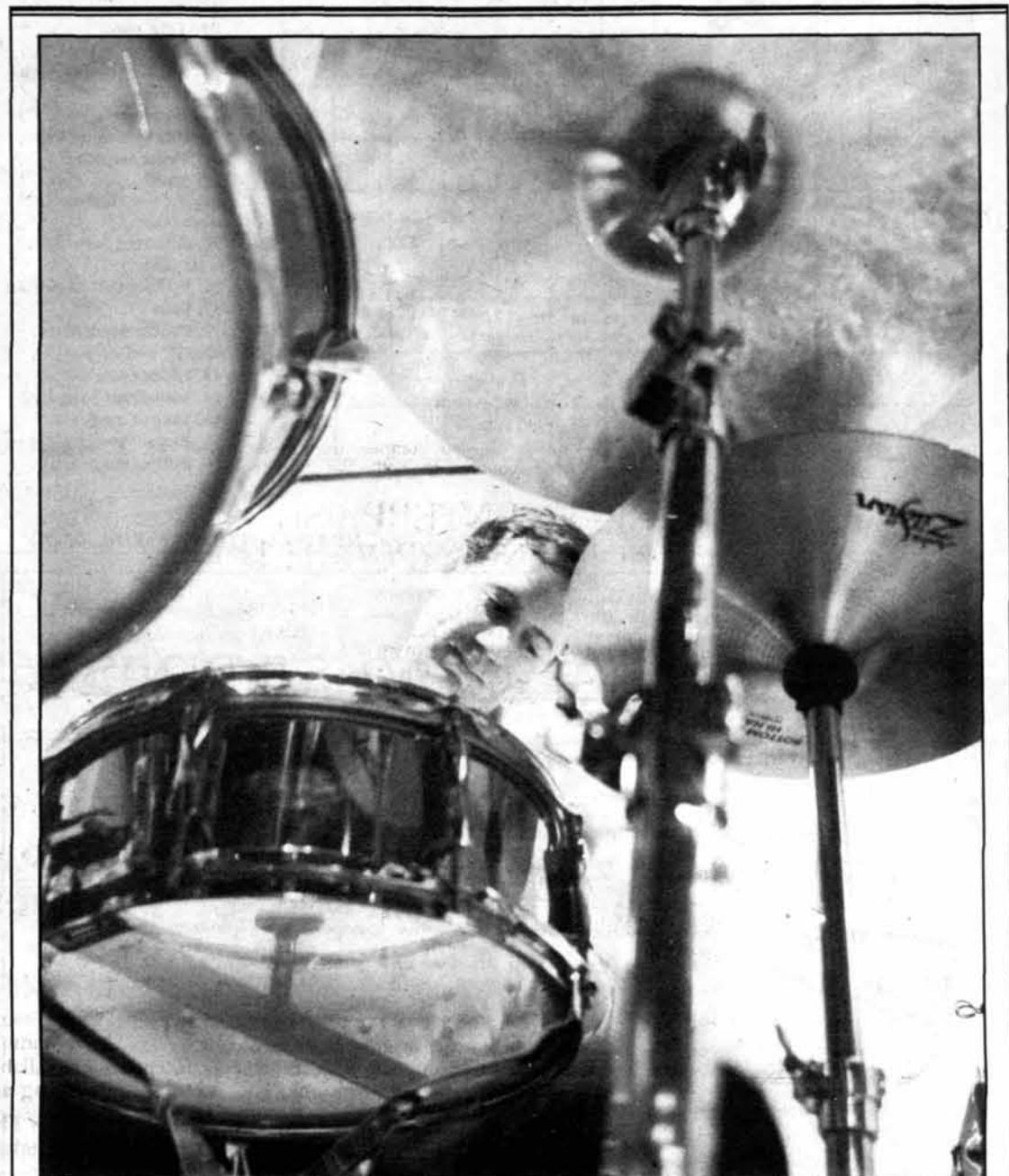
Harris and Harris reported that the "numbers clearly indicate that fraternities and alcohol mixed to form a volatile exposure. Alcohol seems to be the primary catalyst for fraternity claims." Harris and Harris also commended national fraternities which were piloting substance-

free chapters. "We encourage these groups to continue their efforts as we believe it will be a positive leadership force on campus."

Another study completed by the Harvard School of Public Health

reports that living in a fraternity house is by far the strongest indicator of binge-drinking in college. The study found that 86 percent of fraternity residents are binge-drinkers, compared to 45 percent of men not

affiliated with fraternities. Binge-drinking is defined by having five or more drinks in one sitting at least once in the two-week period before the survey was done.



The Coffee House Jazz series continued yesterday with a performance by Green Street Jazz Group.

# Virus Attacks Can Be Stopped by Software Obtained on Internet

Virus, from Page 1

grams adds to the concern that macro viruses constitute a major threat to users. To date, the most common viruses have been relatively harmless.

"Some macro viruses give you a message. ... Some erase your hard drive just by opening the file," Isaacson said. So far, relatively few MIT users have suffered losses, but the process of removing the virus can take some effort, as every floppy in an office must be checked for infection, he said.

## MIT increases software updates

In response to the problem, MIT has increased the frequency of

updates of the anti-virus software it distributes from quarterly to monthly. The software, Dr. Solomon's Anti-Virus Toolkit, is available for use on any machine owned or administered by MIT faculty, staff, or students, and supports most major commercial operating systems.

Using anti-virus software helps foil the majority of attacks. "Ninety-nine percent of the time, [virus infection] is avoidable," Isaacson said.

Anti-virus software and information is made available by MIT's Information Security Office on the World Wide Web at <http://web.mit.edu/security/www/>.

TECHNOLOGY

D E Shaw & Co

FINANCE

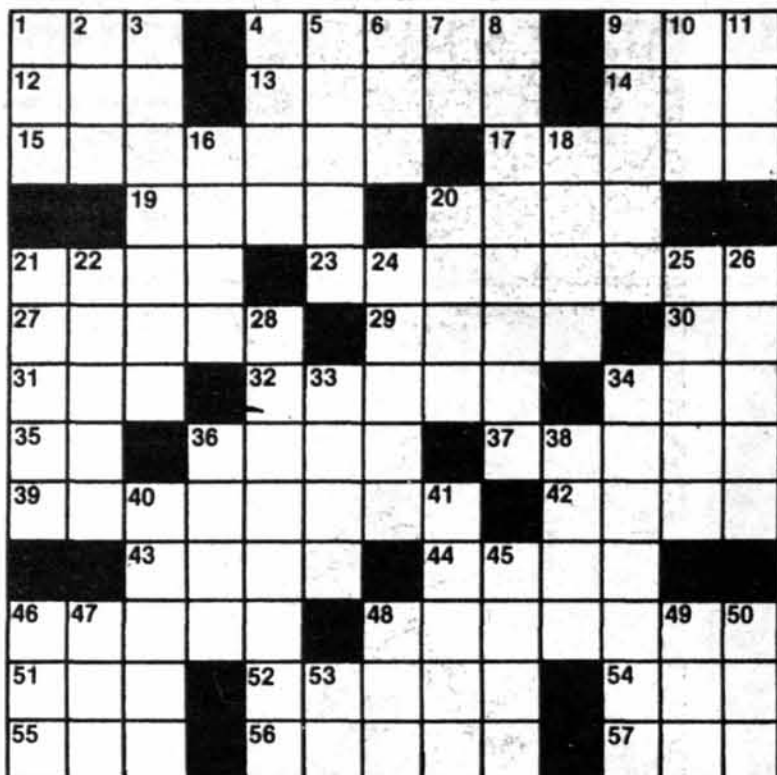
*"D. E. Shaw is the most technologically sophisticated firm on the Street." —Fortune*

D. E. Shaw & Co., L.P. is a small (around 400 employees), highly capitalized (over 800 million dollars in equity capital), very successful Wall Street firm specializing in various aspects of the intersection between technology and finance. We are now aggressively seeking exceptional candidates in a variety of fields for positions in our offices in New York, Boston, London, Tokyo, and Hyderabad, and are prepared to compensate highly talented individuals at a level exceeding that of the market.

D. E. Shaw & Co., L.P. is an equal opportunity employer.

**We're recruiting at MIT:**

Please direct all inquiries or submit resumes, along with GPA and SAT scores, as follows: [oncampus@deshaw.com](mailto:oncampus@deshaw.com) or (212) 403-8499 (facsimile)



ACROSS

- 1. \_\_\_\_\_ Aviv
- 4. Remedy
- 9. Belonging to (suf.)
- 12. Is (p.t.)
- 13. Amphitheater
- 14. Give approval
- 15. Sedative
- 17. Correct
- 19. Wan
- 20. Taro plant
- 21. Aquatic animal
- 23. Engine cooling device
- 27. Danger
- 29. Window
- 30. Box Office (abbr.)
- 31. Order (abbr.)
- 32. Smell
- 34. Second smallest U.S. state (abbr.)
- 35. Southern New Eng. state (abbr.)
- 36. Wide-mouthed pitcher
- 37. Rent
- 39. On the same team
- 42. Gr. god of war
- 43. Clock face
- 44. Melodious song bird
- 46. Record keeper
- 48. Place where fruit is canned
- 51. Policeman (slang)

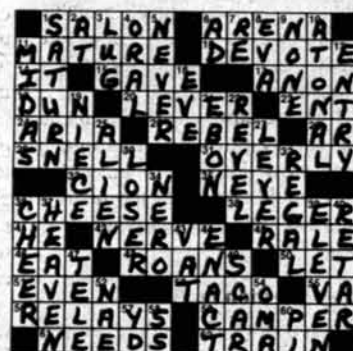
- 52. Joyful
- 54. Bring action against
- 55. Small bed
- 56. Measures
- 57. Number

DOWN

- 1. Flap
- 2. Mistake
- 3. Spotted animal
- 4. End
- 5. Arrangement
- 6. Born
- 7. Not out
- 8. Red bird
- 9. Molded metal
- 10. Variant of no (Japanese)
- 11. Time standard (abbr.)
- 16. A republic of Africa
- 18. Family names in zoology (suf.)
- 20. Cheese
- 21. Game
- 22. Scary
- 24. To the left (naut.)
- 25. Fat
- 26. Positions
- 28. Senator
- 33. In fact
- 34. Blackest
- 36. Prince (Arabian)

- 38. Deserve
- 40. Good at doing
- 41. Make happy
- 45. Medical prefix
- 46. 300 (Rom. num.)
- 47. Card game
- 48. Feline
- 49. Feel remorse
- 50. Yearn
- 53. Southern state (abbr.)

PUZZLE SOLUTIONS FROM LAST ISSUE



SOLUTIONS IN THE NEXT EDITION OF THE TECH

## OPEN INVITATION TO STUDENTS

The Visiting Committee for the office of Undergraduate Education and Student Affairs will have an open meeting with students at 7:30 PM on Wednesday, April 2, 1997 in the Bush Room, 10-105

The Visiting Committee includes members of the Corporation, former students and professionals involved in student life issues elsewhere.

Please join the committee to share your concerns and to offer your suggestions on how student life at MIT may be improved.

For information please contact Dean Robert Randolph [randolph@mit.edu](mailto:randolph@mit.edu)

## vacation

spring break

Garber Travel Professionals are ready to treat you to rest and relaxation you deserve

## MAKE THE GREAT escape



Cambridge  
1105 Mass. Ave. (617) 492-2300

The lowest prices anywhere, anytime, **GUARANTEED**



## SUMMER SCHOOL FOR PEOPLE ON THEIR WAY TO THE TOP.

If you didn't sign up for ROTC as a freshman or sophomore, you can still catch up this summer by attending Army ROTC Camp Challenge, a paid six-week course in leadership. Apply now. You may qualify



for a \$4,000 scholarship and advanced officer training when you return to campus in the fall. You'll also have the self-confidence and discipline you need to succeed in college and beyond.

### ARMY ROTC

THE SMARTEST COLLEGE COURSE YOU CAN TAKE

For details, visit Bldg. 20E-116 (18 Vassar St.)

or contact MIT Army ROTC at 494-8710 or [kfilosa@mit.edu](mailto:kfilosa@mit.edu)



## Second Nature Interactive

### Internet Games Developer

Second Nature Interactive (2NI) is located on Route 128 near Boston, Massachusetts, and develops massively multi-player games for Internet play, supporting thousands of simultaneous players interacting in a rich social structure. All 2NI games are built around a proprietary high-speed graphics engine, providing a real-time view into 3-D virtual worlds.

We are currently seeking to hire the following:

- Graphics programmers
- Systems/network programmers
- General C++ programmers
- Game designers
- Quality assurance programmers and testers.

Positions are available immediately, additional positions will be opening in June, and Summer '97 internships are available.

For more info, please visit our website at: <http://www.2ni.com/jobs/> or e-mail resume, salary history and salary expectations to [hr@2ni.com](mailto:hr@2ni.com).

### ON-CAMPUS INTERVIEWS MAR 21, APR 4

Please contact Career Services at 253-4733 to schedule an appointment.

# Faculty Discuss Writing Skills, Consider Master's in Logistics

Faculty, from Page 1

the Committee on the Undergraduate Program will design and implement these experiments, Hodges said. This initiative has already received \$200,000 in funding from the National Science Foundation.

By 1999, CWR and CUP will develop a specific implementation plan, Hodges said. The faculty would vote on the proposal in 2000. The plan would be implemented gradually and become fully effective for the Class of 2000.

"If we are unwilling to do this, it sends a very powerful message," Bacow said. Failing to pass the motion would show that the faculty is satisfied with the status quo, he said.

## Faculty question motion

Former Dean for Undergraduate Education and Student Affairs Arthur C. Smith said he was unsure that the Institute and students could commit resources to communication without hurting other aspects of MIT.

"Better communication skills are an amplifier," Bacow said. They will enhance the content of science

and engineering subjects.

Professor of Literature David Thorburn said his first response to the proposal was "great applause." However, there were a few problems.

The proposal equates writing and speaking, he said. "The two activities are not identical."

Also, since 15 to 20 percent of students are admitted with deficient writing skills, MIT should either offer remedial writing classes or toughen admission, he said. MIT would never stand for a deficiency in computational skills.

Lastly, Thorburn said that the proposal itself should be well written. He suggested rewording some phrases including changing "receive practice, instruction, and feedback" to "receive instruction" since one cannot "receive practice."

Hodges said that the proposal was written by Bacow, and since Bacow went to MIT, it shows how the writing requirement needs revision.

Bacow admitted that he wrote the proposal, but said it was edited by Dean for Undergraduate Education Rosalind H. Williams, Hodges, Coordinator for the Writing Requirement Leslie C. Perelman,

Head of the Writing Program Alan P. Lightman, and Chair of CUP Charles Stewart III, so the responsibility should be distributed.

With respect to toughening admissions standards, Williams said that MIT's verbal SAT scores differ little from those of Ivy Leagues schools. MIT needs to look at improving those skills, she said.

## New master's degree proposed

Also at the meeting, Director of the Center for Transportation Studies Yossi Sheffi PhD '77 proposed a masters of engineering degree in logistics. Logistics involves studying how to move goods over time and space. The faculty will vote on the degree at its April meeting.

Professor of Electrical Engineering and Computer Science Martin F. Schlecht '77 and Williams updated the faculty on student services re-engineering.

Current accomplishments include an enhanced Online Student Information Services and the Student Services Center, Schlecht said.

The reorganization of the Dean's Office also helped speed up student services re-engineering, Williams said.



THOMAS R. KARLO—THE TECH

Marilyn Vogel '98 (#24) backs up Maddy Burke '99 as she drives to the net. Burke scored three goals and Vogel two in MIT's 20-7 victory over Plymouth State College at Jack Barry Field on Wednesday.

# Get hooked

...on Kinderhook Systems, Inc., the bold, brilliant Internet Consulting firm.

Creative. Tightknit. That's what makes us the brightest star in the business. And that's what's making businesses get hooked on us. Right now, our family needs to grow. So we're out to hook some more brainpower to help us keep up with new business.

## Project Leaders

Have a background in software development? Or technical consulting? Bring it all here. You'll manage software teams and guide the programming staff. You'll team up with clients, develop specs and prototype solutions, manage schedules and budgets and define technical architectures.

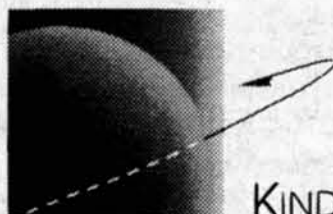
## Associates

Become part of one of our intense project teams developing groupware and Internet solutions. You'll receive cross training, technical support and work with such leading technologies as JAVA, Lotus Domino, Live Wire Pro, ActiveX and Net.Data. If you bring us a BS/BA and/or at least 2 years of experience, we'll give you the career of a lifetime.

Kinderhook offers competitive salaries, terrific benefits, and the kind of environment that's so stimulating and spirited you won't even think about being anywhere else.

You are invited to a company overview and Q&A session given by the President of Kinderhook Systems, Inc., on Thursday, April 3rd from 6:30-8:30pm in Room 4-145. Food and beverages will be provided.

Please bring your resume; however, if you are unable to attend, forward your resume to: Recruiting Manager, Kinderhook Systems, Inc., 342 Madison Avenue, Suite 1501, New York, NY 10173. E-Mail: [recruit@kinderhook.com](mailto:recruit@kinderhook.com) FAX: 212-867-0191. Want even more information? Be sure to visit our website at [www.kinderhook.com](http://www.kinderhook.com). No phone calls, please. We are an equal opportunity employer. Kinderhook Systems is a Netscape Affiliateplus Partner, a Lotus® Premium Partner and an IBM Best Team Member.



KINDERHOOK SYSTEMS, INC.

PUT YOUR VALUABLES IN A SAFE PLACE.



Helmets make riding more comfortable and fun. Not to mention safer. Protect your most valuable asset. Always wear a helmet.

MOTORCYCLE SAFETY FOUNDATION

This space donated by The Tech

## SPORTS

## Women's Lacrosse Starts Season with 20-6 Victory

By Erik S. Balsley  
SPORTS EDITOR

The women's lacrosse team began its season with a decisive 20-7 victory over Plymouth State College Wednesday night on Jack Barry Field in their first home game of the year.

The Engineers played smartly as a team to take an early lead in the game. The team had earned a 13-5 lead by halftime and continually worked to widen the margin throughout the second half.

Early in the second half, Plymouth State scored a goal to bring the score to 13-6. However, MIT played a much more controlled

game to deny Plymouth State another goal until the final minutes of the game.

At the same time the Engineers steadily continued to expand their lead. With 23:08 left in the game Tracy Sadowski '99 scored a goal off a free position shot to bring the score up to 15-6.

About 10 minutes later with 13:24 left in the game, Marilyn Vogel '98 skillfully worked her way through the Plymouth defense to score another goal to put MIT up 16-6. The ball was brought to the center of the field for the draw.

The Engineers successfully took the ball, and it was passed to

Sadowski, who ran down a clear field to score another goal with 12:42 left in the game to bring the score to 17-6.

The team played smartly throughout the half and passed very well to dominate Plymouth State.

With about five minutes left in play, MIT found itself in control of the ball but was kept behind the net by unusually strong defensive play from Plymouth State. The Engineers patiently held the ball behind the net, until Vogel slipped the ball past the Plymouth State goalie to bring the score to 19-6. Sadowski soon had the ball again and scored the Engineers' final goal to put them

ahead by 15, 20-6.

Plymouth State then made a series of good plays to slide one into the net with two minutes left in play to bring the score up to 20-7. However, the game was already won. As the final 10 seconds wound down the rest of the team on the sideline counted down the seconds to their 20-7 victory.

Excellent performances were put in from Sadowski, who made 8 of 11 shots on goal and a free position goal, Vogel, Maddy Burke '99, and Connie Sadowski '99. In addition to these players, excellent goaltending from Anne Lee '99 was a factor in the team's victory. Lee saved 11 of

the 18 shots Plymouth State managed to take at goal.

Coach Cheryl Silva said she saw some "really good things from the team" and said the game was a great start for them. She said she was "happy with the passing game the team played" and how they played together as a team throughout the game.

The team will be heading to Florida over Spring Break to train and to play Skidmore College and the State University of New York College at Fredonia. Their next home game is on Saturday, April 5, at 1 p.m. against Wellesley College.

## Weight Thrower Wins NCAA Championship

By Roger Crosley  
SPORTS INFORMATION DIRECTOR

The list of MIT's national champions grew with John Wallberg G winning the 35-lbs. weight throw at the NCAA Division III Indoor Track and Field Championships at the University of Wisconsin at Oshkosh. Wallberg threw the weight 59 feet 3 1/2 inches to win the title by 2 feet 11 inches. It is the third time Wallberg has earned All-America honors in the event.

## Athletes earn all-district honors

Three MIT fall sports athletes were named to the GTE College Sports Information Directors of America Academic All-District team. Cross country runner Arnold Seto G and water polo player Matt Lau '97, were named to the men's fall/winter at-large team. Named to the women's team was field hockey player Katherine Merrilees '97. Each athlete will now appear on the national Academic All-America ballot.

## Pistol captures sectionals

The MIT pistol team recently captured the Intercollegiate Sectionals, outdistancing the Coast Guard Academy and the Merchant Marine Academy.

Myong-Sin Yi '98 was the individual champion at the sectionals. Yi was also named to the 13-member United States Shooting National Development team, which is designed to give training and match experience to potential elite shooters.

## Women's gymnastics beats Brown

The women's gymnastics team finished its regular season in style recently by shattering the team

record for points scored. The Engineers defeated Brown University and Rhode Island College by scoring a 177.625.

The victory over Brown was the first in the history of the program over a Division I opponent. Lee Knight '00 also set an MIT record in the all-around competition with a 37.125. Knight's score was one of five team scoring records set in the meet.

The team will compete in the National Collegiate Gymnastics Association Championships this coming weekend at the University of Wisconsin at LaCrosse.

## Women hoopsters honored

MIT basketball players were recently honored by the New England Women's 8 Conference. Guard Sarah Davis '97 was named to the NEW 8 all-conference team. Davis, who averaged over 12 points and five assists each game, is the first MIT player selected to the team since the 1990 season.

Heather Lukacs '00 was named the conference's rookie of the year. Lukacs averaged over a dozen points and added nearly nine rebounds each contest. In addition, Davis was selected to play in the New England Women's Basketball Association Senior All-Star Game which was held Sunday at Brandeis University.

## Men's tennis starts season strongly

The men's tennis team has started the spring portion of its season with a bang by defeating two Division I opponents in its first two matches. The Engineers took 5-2 decisions from both the University of Vermont and from Boston College. Overall for the year, the Engineers have compiled a 7-1 record.

## Ballroom Dance Team Finishes Well At University Regional Competition

By Tom Nugent  
TEAM MEMBER

The ballroom dance team continued its strong performance this year with numerous top-three individual placings as well as great team results at the sixth annual University Network Northeast Regional Competition. The competition, sponsored by the Massachusetts Amateur Ballroom Dancers Association, was held March 2 and 3 at the Wonderland Ballroom in Revere.

The American rhythm category started off the first day of competition. Feng Li '97 and Geeta Sankappanavar '97 continued their domination of the beginner swing by taking first place. They placed first in beginner cha-cha and third in beginner rumba. Jorge Barrera '99 and Stephanie Hong '98 took third in beginner swing.

The next category was international Latin. Barrera and Hong won the beginner jive. Li and Sankappanavar won beginner rumba and placed second in beginner jive.

Steven Casey G and Suzanne Goh swept the advanced Latin, winning both the cha-cha/rumba and samba/jive events. Jorge Goncalves G and Ling Liao took second place in the same events.

The day ended with the team competitions. MIT fielded four teams for the American style competition and three teams for the international style competition. MIT teams placed both second and third in the American style, and an MIT team placed second in the International style. Both times, the team lost to Harvard University, whose members include current amateur national champions.

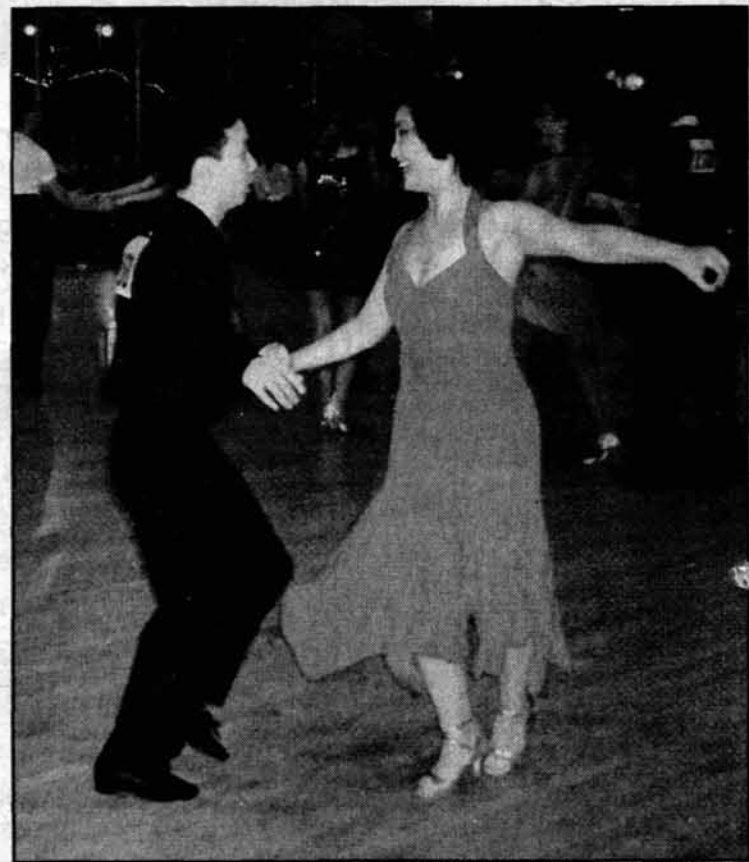
The competition continued on Sunday, beginning with the American smooth category. Li and

Jennifer Hammock '98 won the beginner waltz and beginner foxtrot. Rich Finlay and Anne Moroney '82 won the advanced waltz/foxtrot and tango. Finlay and Moroney also swept the four-dance open waltz/tango/foxtrot/Viennese waltz event.

Two days of competition ended with the international standard category. Li and Hong won the beginner waltz, while Li and Hammock won the beginner quickstep. Finlay and

Moroney won the advanced foxtrot/tango and took second place in the advanced waltz/quickstep. Goncalves and Yumiko Osawa took second in the advanced foxtrot/tango.

The team is looking forward to hosting the next competition of the season at the DuPont Center Gymnasium on Saturday, April 5. This inaugural event is expected to attract over 300 competitors from 15 colleges and universities.



Alex Wang G and Linda Kim '97 dance the jive at the University Network Northeast Regional Competition on March 2 at the Wonderland Ballroom in Revere.

The Department of Architecture  
Freshman Open House

Thursday, April 3  
12 noon

The Advanced Visualization Theatre  
MIT 7-431

Presentation at 1:00 by  
Bill Hubbard, Jr.  
architect and instructor of 4.101 Introduction to Architectural Design I

Enjoy pizza at noon

Talk with current Undergraduate Course IV majors about what it's like to be an architecture major at MIT

There will be design studio tours after the presentation.

For more information call 253-7792 at the Department of Architecture or send e-mail to yammie@mit.edu

## UPCOMING HOME EVENTS

Saturday, March 22

Heavyweight Crew in the Class Challenge  
Women's Crew vs. Alumnae

Saturday, March 29

Heavyweight Crew in the Riverside Boat Club Brush  
Women's Crew vs. Boston College and Radcliffe College  
Softball vs. Babson College, 1:30 p.m.

\$199/pair

Paradigm dorm  
537 pairs sold in 7 years  
8 trade-ins in 6 years  
9 repairs in 5 years  
1 unhappy camper

Q  
AUDIO

Paradigm TITAN  
Q Audio <http://www.qaudio.com>

Your Complete Stereo Store @ MIT  
95 Vassar St. Cambridge, MA 02139 (617) 547-2727

M-Th 10-8 Fri. 10-7 Sat. 10-6