



Neal Padre of the Boston University Jazz Ensemble performs in the MIT Big Band Bash on Saturday evening in Kresge Auditorium.

THOMAS R. KARLO—THE TECH

Corporation Passes 5% Tuition Increase

Student self-help levels remain constant

By Zareena Hussain
ASSOCIATE NEWS EDITOR

The Executive Committee of the MIT Corporation approved a 5 percent tuition hike for the 1997-98 academic year, President Vest announced at Friday's Corporation meeting.

This amounts to an increase of \$1,100 to a tuition level of \$23,100. Including a projected increase in the cost of room and board by 3.1 percent, the total cost for an MIT education during the coming year will be about \$29,650.

While the costs of tuition and room and board increased, the student self-help level will remain the same at \$8,600. Self-help includes the base amount expected of students to contribute toward financing their education before receiving scholarship assistance, and it includes MIT term-time work, loans, and savings.

Expenses justified by high costs

"MIT's tuition is slightly larger than many of our peer private institutions. Around 80 percent or more of what we do is directed at education in engineering and science, which are expensive in terms of excellent faculty, staff, and infrastructure," said President Charles M. Vest.

"The education we provide is expensive, intrinsically," said Dean for Undergraduate Education Rosalind H. Williams.

"Faculty and staff deserve merit increases in salary and wages, and infrastructure and services need to be maintained and improved. It is important to understand that tuition revenues pay less than half of the actual cost of an MIT education," Vest said.

"We estimate the actual cost of an undergraduate's education is about \$44,550," said Director of Student Financial Aid Stanley G. Hudson.

Another reason for the increase

is the steady decrease in federal funding, Williams said.

"I continually worry about the cost of education, but I am pleased that we have kept the growth of the student budget (tuition, room and board) to within about one and a half percent of the [Consumer Price Index] for the last three years," Vest said.

The Consumer Price Index is a standard benchmark used to calculate inflation.

"The cost of education increases and does so faster than the Consumer Price Index. MIT's educational programs are both labor and capital intensive, and tuition is a major source of unrestricted

Tuition, Page 11

UA Talks About +/- Grading System

By Douglas E. Helmburger
ASSOCIATE NEWS EDITOR

At last night's Undergraduate Association Council meeting, students voiced opinion on the intermediate grading system, finalized funding allocations to student groups, and approved nominations to various faculty committees.

Professor of Aeronautics and Astronautics Paul A. Lagace PhD '78, who chairs the Committee on Plus/Minus Grading, spoke to the council about possible courses of action the group may take.

As the internal intermediate grading experiment reaches its midpoint, the committee is investigating the potential effects of a permanent change, Lagace said. The group is "really at the point now where we're going to focus on getting input" from students and faculty, he said.

Plus and minus grading was implemented on an internal basis only for a three-year period that started in the fall of 1995; the experiment ends in June 1998.

At that point, the faculty will decide whether to implement plus and minus grading on a permanent basis, Lagace said. "Sometime in the spring of next year we hope to have a policy ready" for the Committee on Academic Performance, which will recommend any proposals to the faculty for adoption, he added.

Changes in grading investigated

The Committee on Plus/Minus Grading is currently in the process of looking at information provided by the Registrar's Office concerning the use of intermediate grades and their potential effects on cumulative averages, Lagace said.

Between 70 and 80 percent of Institute courses currently use the intermediate grades, Lagace said. "One of the motivations of the experiment was the ability [of intermediate grades] to give better

Cloning Research Stirs Discussion

By Ramy A. Arnaout
SENIOR EDITOR

It has been 17 days since scientists in Scotland announced they had succeeded in cloning a sheep, and the initial storm of publicity surrounding the event has begun to die down.

But the waves made by Dolly, the first animal to be cloned from adult genetic material, will not soon subside. Biologists and social scientists here and elsewhere will likely be discussing this discovery for a long time to come.

The experiment itself, by now, is old news. A team headed by Ian Wilmut, an embryologist at the Roslin Institute animal research center in Edinburgh, transplanted the genetic material of a cell from an adult ewe's mammary gland into an egg cell from another ewe after removing the egg's own genetic material.

The team let the egg divide and grow in a test tube and then implanted the young embryo into yet a third ewe, where it developed

naturally into a baby sheep genetically identical to the first ewe.

Of course, what has generated all the excitement — and not a little discomfort — is that sheep and humans are not all that different from a biological standpoint, a fact that raises questions about whether cloning might soon be tried in humans.

Cloning itself is nothing new. Scientists have been cloning sheep and cattle from embryos' genetic material since the mid-1980s. The significance of Wilmut's experiment is that Dolly's genetic material came from an adult cell, not an embryo, and adult cells switch off

most of the genes embryo cells use for growing an entire organism.

Before now, scientists thought that that off switch was permanent. Dolly seems to prove them wrong.

"The only explanation is that it's reversible," said Professor of Biology Rudolf Jaenisch, a developmental biologist who studies how this on/off switching works.

"I think the cloning of an entire mammal has shown me exactly how fast biology is moving ahead," said Sarah B. Tegen '97, a biology major and president of the Biology Undergraduate Students Association.

Cloning, Page 15



The group Shalhevet dance in the 21st Israel Folkdance Festival held on Sunday afternoon in Kresge Auditorium.

GABOR CSANYI—THE TECH

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WORLD & NATION

Bogus Check Scheme Lands 'Freeman' Imitator in Jail

LOS ANGELES TIMES

LOS ANGELES

Saying that she had done "more damage" to the banking system "than most bank robbers," a federal judge Monday sentenced M. Elizabeth Broderick to 16 years in prison for running a bogus check scam inspired by the Montana "Freemen" that defrauded victims from large financial institutions to poor followers.

"You dropped an atomic bomb on the banking system with this bogus scheme," said U.S. District Court Judge Dickran M. Tevzorian.

"You're not a patriot," he said, rejecting Broderick's claim that she was resisting a tyrannical federal government in issuing home-made checks at seminars throughout Southern California between October 1995 and April 1996.

"You defrauded thousands of people ... people who were desperate."

Broderick, a 53-year-old former teacher, defended herself, saying "I was here to give damages to the American people. You can lock me up but you can't lock up my knowledge."

A federal court jury convicted Broderick in October of 26 counts including conspiracy, fraud and money laundering for organizing and leading a scam in which Broderick's customers paid up to \$200 to attend her seminars and \$100 for each blank check, which she described as a "comptroller's warrant" backed by more than \$1 billion in liens against the U.S. government.

In all, prosecutors contended, Broderick and her convicted accomplices — Barry Switzer, chiropractor Julian Cheney and Adolf Karl Hoch — issued \$800 million in phony warrants. Her total take, according to prosecutors, was about \$1.2 million.

Many of Broderick's clients tried to pay off their debts and mortgages with the warrants, some of which were temporarily accepted by banks and other financial institutions.

South Korean Legislators Approve Bipartisan Labor Bill

LOS ANGELES TIMES

TOKYO

In an effort to quell the nationwide labor unrest that sparked costly strikes earlier this year, South Korean legislators Monday passed a revised labor bill with greater protections for workers and expanded union rights.

But lawmakers admitted the bipartisan compromise was not expected to completely satisfy either labor or management. The clash over job security vs. economic efficiency has grown more acute amid rising unemployment, a widening trade deficit, flagging growth and increasing global competition.

"The new labor bills may not be the best version possible. But they were the only alternatives for a quicker economic recovery and better industrial relations in the nation," the chief policy-makers of the ruling and opposition parties said in a joint statement before the bill passed.

In the ruling party's most significant compromise Monday, the new law will delay the introduction of a more flexible layoff system by two years. It also will tighten the conditions under which management can dismiss workers to cases involving urgent "operational need."

Toronto Takes Tough Tack On Cigarette Smoking

THE WASHINGTON POST

TORONTO

Even as Toronto joined the big leagues of the anti-smoking movement last week with one of North America's stricter tobacco ordinances, life in Toronto's nightclub district continued apace with late nights, loud music and a slowly accumulating haze.

Smoking now is only supposed to occur within separately enclosed and independently ventilated rooms — "hermetically sealed" as the business owners like to joke, and covering no more than one-quarter of any business's space.

The new rule, which went into effect March 3, was conceived by local health officials as a way to eliminate public smoking in the city. No major city in North America has gone as far to limit smoking.

WEATHER

It's Snow Sure Thing

By Gerard Roe

STAFF METEOROLOGIST

With a clipper storm approaching from the west, we are all but sure of some light precipitation during the afternoon and evening. At this stage, with falling temperatures aloft, it looks like it will be snow, but with a small shift in the track of this fast system, it will be cold rain instead. The surface temperatures will push well above freezing, meaning any snow will hopefully have trouble sticking. Fast clearing should ensue after midnight as a strong high pressure builds in over the region and temperatures will fall fast. Wednesday is set fair with the prospect of clear, sunny skies. However by late Thursday another clipper-type system, scudding out of the west, threatens, but this time, rain is the more likely offering, with warmer over-running air pushing in from the south.

Today: Mostly clear early. Then clouds building up by afternoon. Light snow or rain likely during afternoon and evening. A little accumulation possible. High 38°F (3°C).

Tonight: Snow or rain likely early, but then clouds blowing out east and replaced by clearing skies and cold temperatures. Low 24°F (-4°C).

Wednesday: Mostly sunny. Moderately strong northwesterly winds. High 38°F (4°C). Low 20°F (-7°C).

Thursday: Clear start. A chance of precipitation late. High around 40°F (5°C). Low around 25°F (-4°C).

Israeli Plan for Withdrawal Causing Crisis, Arafat Says

By Marjorie Miller

LOS ANGELES TIMES

JERUSALEM

Israel's plan for a limited West Bank troop withdrawal has provoked "a real crisis" in the peace process, Palestinian Authority President Yasser Arafat charged Monday, as the Israeli government threatened to put the redeployment on hold and its soldiers clashed with Palestinian demonstrators near Hebron.

Israeli officials said the pullback could not take place while the Palestinians rejected the government's proposed military withdrawal from 9 percent of the West Bank and refused to take charge of the territory.

"We have to have an orderly transfer of power," said Israeli foreign policy adviser Dore Gold. "If we give back 9 percent, there has to be someone to receive it."

Arafat spokesman Nabil abu Rudaineh countered that the Palestinians "are not refusing to take back land. We are refusing to have Israel dictate to us."

Tensions between Israel and the Palestinians have been mounting since Israel two weeks ago announced plans to build a new Jewish neighborhood in East Jerusalem and subsequently ordered the closure of four Palestinian offices in the city. Israel captured the eastern half of Jerusalem in the 1967 Mideast War, and the Palestinians hope to establish a capital there one day.

On Thursday, a divided Israeli Cabinet voted to pull back troops from 9 percent of the West Bank: 7 percent would be transferred from joint Israeli-Palestinian control to

full Palestinian control, while only 2 percent would switch from Israeli occupation to partial or full Palestinian control.

The Palestinians had expected a 30 percent withdrawal and angrily rejected the first of three redeployments that are to take place by the end of next year, under the Israeli-Palestinian peace accords.

"There is a real crisis because there is a clear breaching of what had been agreed upon," Arafat told reporters in the Gaza Strip. He called the Israeli move "a trick and a conspiracy against the peace process."

Israeli Defense Minister Yitzhak Mordecai and Palestinian Information Minister Yasser Abed-Rabbo met in Tel Aviv late Monday to try to diffuse the situation. But their meeting ended without a resolution.

"The crisis is worsening from moment to moment," Abed-Rabbo said afterward as Mordecai called on Arafat to prevent a violent reaction among Palestinians.

Clashes did break out briefly near the West Bank city of Hebron earlier in the evening after dozens of Palestinians tried to stop bulldozers from clearing a new road from the Jewish settlement of Kiryat Arba to Hebron.

When Israeli police and soldiers reportedly began beating protesters, several hundred Palestinians joined the fray and stoned Israeli troops until Palestinian police intervened.

Seven Palestinians were hospitalized and five were arrested.

Palestinian leaders have been warning that Israel's policies could lead to an outbreak of violence such as the armed combat in September

that left at least 75 dead and 1,000 wounded.

"Arafat realizes violence would hurt him a lot, but he is worried that it could break out whether he wants it to or not," said a U.S. official who follows the peace negotiations.

Several Palestinian leaders and political observers said Arafat had been embarrassed by the recent events and appeared backed into a corner. They said he went to the United States last week seeking help from the Clinton administration but instead got a U.S. veto of a U.N. Security Council resolution condemning Israel's proposed construction in East Jerusalem.

Palestinian peace negotiators, led by the moderate Mahmoud Abbas, tendered their resignations to Arafat on Thursday in protest of Israel's policies and the course of the peace process. Arafat did not immediately accept the resignations.

Israeli officials accused the Palestinians of brinkmanship. They said Arafat was seeking a controlled crisis to bring international pressure to bear on Israel.

In addition, they criticized Arafat for releasing a top leader of the military wing of Hamas. The released prisoner, Ibrahim Makadna, reportedly led a secret network within Hamas suspected of launching a series of suicide bombings that left more than 60 dead in Israel last year.

Hamas leaders said the release was an apparent goodwill gesture toward the militant Islamic group. But the Israeli government said the release meant Arafat wants to "keep open the option" of terrorism.

L.A. Chief of Police Williams Loses on Bid for Second Term

By Jim Newton

LOS ANGELES TIMES

LOS ANGELES

Police Chief Willie L. Williams, who charmed the public and helped restore its confidence in the Los Angeles Police Department, but who struggled to take command of the department and disappointed many of the city's top leaders, was rejected Monday in his bid for a second five-year term.

"We know the chief's strengths and weaknesses; we know the department's strengths and weaknesses as well as its needs," the city's Police Commission said in a statement read by board President Raymond C. Fisher. "As right as the chief may have been when he was selected, he does not have the confidence of this board to lead the department for the next five years."

The vote of the ethnically diverse, five-member board, Fisher added, was unanimous.

In explaining its decision, the board released a lengthy review of Williams' tenure, crediting him with strong public outreach, but methodically listing management breakdowns, from the department's failure to produce an adequate biopsy of the career of former Detective Mark Fuhrman to its failure to integrate the work of various consultants hired to analyze the LAPD.

"The board concluded ... that the department cannot continue without more effective management, and therefore concluded that strengthening the department's management will require a change at the top, a new chief," the commission statement said.

Monday's announcement ends a two-month evaluation of the chief that has tested the principle of civilian oversight of the police department. It also opens what could be a two-pronged final battle, one legal and one political, if Williams decides to fight for his job. Lawyers for Williams have publicly floated their options, which include asking the City Council to overrule the Police Commission and filing a lawsuit to protest it.

But Williams, the first black to lead the LAPD and one of the city's most popular public figures, appears to face long odds in either effort. Monday, he sent conflicting signals about his next move — sometimes seeming to suggest that he will fight on, other times anticipating life after the LAPD.

"I'm deeply disappointed as a citizen by the decision that was made by the Police Commission this morning," Williams said during a news conference Monday. But "a decision has been made, and I will leave that decision as it is."

At the same time, Williams avoided foreclosing any options.

He said, for instance, that council members might decide to overturn the matter, and he declined to comment on the possibility of a lawsuit. And yet, even as he hinted that those options were still alive, the chief closed his news conference with remarks suggesting that he was looking beyond his own term and toward retirement from policing.

"I'm going to be living in my nice home here in the city of Los Angeles, probably going to have to take out the city phone so I don't get those early morning phone calls, but

I'm always going to be concerned about the men and women of this organization," Williams said. "I'll be entertaining some private sector opportunities ... And I'm going to spend some time with my wife and children and grandchildren."

With Williams' options appearing to dwindle, commissioners were talking about plans for "an orderly transition," and many observers were thinking beyond Williams to the selection of a new chief, who would become the 161st in the history of the LAPD.

The top candidates for that job include Deputy Chief Bernard C. Parks and Deputy Chief Mark Kroeker, two of the LAPD's most senior and visible leaders.

Parks, who is black, received a high-profile show of support Monday, as Mayor Richard Riordan announced he would back Parks for interim chief. That job presumably will open up July 7, when Williams finishes his term, assuming a new chief has not been selected by then.

In some areas, Williams' administration was a success. Led by Riordan, the department has grown by roughly 2,000 officers — fewer than Riordan promised in 1993 but enough to make the LAPD the largest it has ever been — and has obtained new cars and other equipment.

At the same time, Williams has run into one problem after another. After a long honeymoon, his competence and honesty came under fire. Outside analysts have criticized the department's management and have suggested that reform is being stymied by the lack of strong leadership.

Mexico Names New Drug Czar Following Thorough Screening

By Mary Beth Sheridan
LOS ANGELES TIMES

MEXICO CITY

Scrambling to restore credibility to Mexico's scandal-plagued fight against narcotics, authorities Monday named a top local prosecutor as this country's new drug czar — but only after subjecting him to unprecedented scrutiny, including a polygraph and a drug test.

The prosecutor, Mariano Herran Salvatti, replaces a military general who recently was arrested in one of the nation's worst drug scandals. The new chief practically has no experience in drug cases, though Mexican officials apparently considered that a guarantee of his honesty.

In a sweeping effort to weed out corruption, authorities also announced that all employees of the Mexican drug agency would undergo rigorous exams of everything from their finances to their urine.

"This requirement is and will be unavoidable," Attorney General Jorge Madrazo declared in a news conference.

The new drug czar was named amid an uproar in the United States over the apparent spread of narcotics corruption to top levels of Mexico's government. On Monday, President Clinton announced a "full-court press" to dissuade U.S. legislators who are threatening to overturn his recent certification of Mexico as a drug-fighting partner.

This week's congressional vote, while largely symbolic, has raised deep-seated fears in Mexico that the powerful U.S. government could try to destabilize this country.

U.S. State Department spokesman Nicholas Burns said the appointment of the new Mexican drug czar was "highly significant" and should "convince those in

Congress ... who have any doubts that President (Ernesto) Zedillo's commitment to wage the war against narcotics is genuine."

But the feeling in Congress appears to be running strongly against Mexico, the transshipment point for an estimated 75 percent of the cocaine reaching the United States.

The new drug czar, Herran Salvatti, 48, had been acting prosecutor for Mexico City since February, and has been involved in some of the capital's top criminal cases, including the flight of a federal prosecutor, Pablo Chapa, who had been pursuing murder charges against Raul Salinas, brother of the former president. He also oversaw hundreds of judicial police.

Supporters praised Herran Salvatti's legal abilities and said he had helped modernize the city prosecutor's office.

White House, FBI Remain at Odds Over Campaign Funding Questions

By Elizabeth Shogren
and Marc Lacey
LOS ANGELES TIMES

WASHINGTON

In an open display of discord within the Clinton administration over the latest campaign finance controversy, the White House and the FBI clashed Monday over whether national security officials told of alleged Chinese involvement in U.S. politics were advised not to pass on the information.

White House spokesman Mike McCurry said FBI agents briefed two mid-level staff members of the president's National Security Council on June 3 about suspicions that China was trying to funnel money to members of Congress. But, according to McCurry, the FBI agents specified that the "information not be disseminated or briefed

higher up the chain of command."

Directly contradicting McCurry, the FBI issued a statement Monday night saying its agents "placed no restriction whatsoever on the dissemination up the chain of command" of the information provided the NSC officials, one of whom was an FBI agent on loan to the White House.

The highly unusual public battle between different parts of Clinton's own administration shows how complicated and divisive the unfolding campaign finance controversy has become for the White House.

Addressing the subject of the FBI briefing to NSC officials earlier in the day, Clinton said he was seeking answers as to why he and other senior White House officials were kept in the dark about the alleged attempts by the Chinese government

to meddle in U.S. politics.

"I believe I should have known," Clinton said.

Clinton also said if he had known about the briefing, the aggressive fund-raising efforts by officials helping orchestrate the president's re-election might have been conducted with more caution.

"It would have provoked ... a red flag on my part," Clinton said.

The Chinese government is discounting the allegations that it sought to direct donations to U.S. politicians through foreign corporations.

"The older I get, the more I become aware of the fact that there's some things there's no point of expending a lot of energy on," Clinton said. "It didn't happen. It should have happened. It was a mistake," he said.

Planet Hunters Spy Double Stars

THE WASHINGTON POST

In the movie "Star Wars," Luke Skywalker comes from a planet with two suns. In real life, this possibility has intrigued astronomers for years. Can planets form around double stars?

The question is important for planet hunters, because more than half the sunlike stars in the galaxy appear to have one or more companions. In the March 6 issue of *Nature*, researchers at the Max-Planck Institute for Astronomy in Germany and the University of Hawaii report they have an optical image of what appears to be a dust disk — an environment where planets might form — around a two-star system known as BD31643.

Only one other telltale dust disk has been imaged around any star. In 1984, astronomers detected a disk extending almost 100 billion miles out from the nearby bright star Beta Pictoris. Later studies showed an empty region near the star where planets may have formed and evidence of comets farther out.

The stars in the latest disk image are each more massive than Beta Pic (five times the mass of the sun, compared with 1.5) and probably younger. The putative disk is at least 100 times as massive as the Beta Pic disk. "If the existence of this dust disk is confirmed... it would imply that binary stars may possess stable environments for planetesimal formation," the scientists write.

In an accompanying commentary, however, another scientist expressed skepticism that planets could form there.

Congressmen Hope Not to Give Retired Feds a Break on COLAs

THE WASHINGTON POST

WASHINGTON

The Republican chairman and the ranking Democrat on the Senate Governmental Affairs Committee have rejected a White House plan to delay inflation catchups for federal retirees for the next five years. That doesn't mean it won't happen. But it increases the odds that if the COLA bullet is bitten, retired feds won't be the only group with tooth-marks on their hides.

The President's budget calls for delaying cost-of-living adjustments — which are due each January — until April from 1998 through the year 2002. But that would only impact retired federal workers, not people getting Social Security or military retirement benefits.

COLAs in recent years have run in the neighborhood of 3 percent, and inflation currently is low. That means those who would be affected by the change can do the rough math (don't think they haven't!) to see what such a delay would cost them.

Senators Fred Thompson, R-Tenn., and John Glenn, D-Ohio, say the plan is unfair because it would apply only to retired feds. Bigger savings would come from extending the delay to Social Security checks (which go to one in every seven Americans) and military retired benefits. Both would continue to get January COLAs under the Clinton plan. Budget Committee Chairman Pete Domenici, R-N.M. This is not the standard cover-your-political-hide letter to sooth constituents. Thompson runs the committee that will decide how Senate-ordered civil service budgets are made. Glenn, who has a track record of being fair but not fawning to feds, isn't running for re-election and is standing up to the White House. Domenici is a GOP favorite of feds and retirees.



Graduate Student Council

Walker Memorial, 50-220 ☎ 253-2195 ✉ gsc-request@mit.edu 🌐 www.mit.edu/activities/gsc

Friday Social

St. Patrick's Day Celebration with Irish beverages

March 14 at 5:30 pm
in Room 50-220
Proper ID required

25 Calendar

► MARCH

- 11 Housing & Community Affairs Meeting* (Topics: end of Tues. Grocery Shuttle; new co-chairs)
- 12 Activities Meeting*
- 13 Budget Review Adhoc Committee Meeting *
- 14 Irish BEvERages Friday Social*
- 18 Academic Projects and Policy Meeting*
- 18 Athletics and Extracurricular Activities Adhoc Committee Mtg*
- 19 Formal Ball Committee Meeting*
- 20 Carmen: The Ballet Wang Ctr. at 7pm Tix \$20. Buy them fast!

* at 5:30pm in Room 50-220.

All graduate students are welcome. Food is provided.

OPINION

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Important Issues Beyond Personal Bounds Need to Be Addressed

We don't need fraternities, Stacey E. Blau '98, or anyone else to embarrass us ["Hypocritical Fraternities Embarrass MIT," Feb. 25]. We do a great job by ourselves.

There are things going on in the world. There is an armed rebellion in Albania. The Ohio River is flooding. *The Boston Globe* publishes an article about undergraduate teaching assistants. Issues worthy of concern, I say. Instead, what do we choose to write about? A column telling us that people drink alcohol and have sex at fraternities. Thank you, Stacey, for pointing that out to us, and thanks to everyone who felt it necessary to point out that people elsewhere drink alcohol and have sex as well.

Are we blind, or do we just choose to ignore the world around us? Are our fields of vision limited to the walls of our labs? It is embarrassing to read *The Tech* and think that what we care about is limited to our particular living group, major, or ethnicity.

Timothy P. Shiao '98

Fraternity Friendships Can Last a Lifetime

I am an MIT alumnus, and I had the great displeasure of reading the column "Hypocritical Fraternities Embarrass MIT" [Feb. 25] by Stacey E. Blau '98.

She begins her column with the question, "Is it really true that frat life is about service, brotherhood, and friendships that last a lifetime?"

Well, I can comfortably say yes. While I agree that alcohol and parties were an integral part of my social life at Delta Kappa Epsilon while I was an undergraduate, I can also say that I maintain very close friendships with at least a dozen of my fraternity brothers today. I converse with perhaps eight or 10 of my Deke brothers by e-mail daily. And even though they live in San Francisco, Chicago, New York, Florida, and Boston while I live in Atlanta, we still manage to see each other at least once a year, if not more.

So I can tell you from personal experience that fraternity brotherhood does last a lifetime. Maybe not in every house, but it does for me and my brothers.

Carlos S. Moreno '86

Single-Sex Institutions Afford a Full Experience

I write in response to the column by Stacey E. Blau '98 ["Hypocritical Fraternities Embarrass MIT" Feb. 25]. I'm a Wellesley College alumna who is married to a brother of Delta Kappa Epsilon from MIT's Class of 1984. We did not know each other in college, and I was not a part of the MIT fraternity scene. However, since we have met, I have come to know, respect, and care about a community of his fraternity brothers who are a daily part of our lives.

As a feminist historian dedicated to the equitable treatment of both men and women, I remain convinced of the value of single-sex institutions. For my husband, Deke has afforded him rich and life-long relationships with other men. For me, single-sex boarding school and college have proven terrific preparation for personal and professional achievement as well as sources of important relationships.

Abuse, harassment, and cruelty should never be tolerated. The diversity and community fostered by institutions like MIT (and its fraternity system) should be celebrated.

Jennie LaMonte

Issues in Column Should Not Go Ignored

Column by Erik S. Balsley

SPORTS EDITOR

For the past two weeks, the opinion pages of *The Tech* have been full of responses to the column by Stacey E. Blau '98 ["Hypocritical Fraternities Embarrass MIT," Feb. 25]. The number of responses has been levelling off, which is to be expected as people get more involved in the term.

This is to be expected and may not be such a bad thing. However, what about the issues raised in both the column and the plethora of responses to it? Although many people, including me, may have questioned the writing of the column, it has managed to shed light upon several issues that most undergraduates recognize but rarely acknowledge.

I know dormitory residents and fraternity members. I have been to parties at both. I have gotten drunk at both. I have chosen not to drink at both. I realize several generalizations made in the column were too broad and could be applied to any living group. But characterizing campus life in that way raised several major issues.

Alcohol misuse, friendship, brotherhood, and the separation of the campus were all issues that were raised by the column and its responses. So the piece and its responses have started debate about these issues. For the past

several weeks, the issues seem to have been one of the most talked about things on campus. Now as things begin to settle down, debate about these issues needs to move off of these pages and into other forums. As students, we should not allow these issues to creep into the background once again.

Several of these issues will most likely be looked at by the Institute as it takes a closer look at its educational purpose. If students do not address these issues and help develop solutions to them, the administration will most likely develop a solution for us.

What forums are most appropriate for further discussion of the issues? As I think about it, I am drawn toward something that received some of Blau's attacks, Leadershape.

As a participant in Leadershape '95 (for the Undergraduate Association), I do have some concerns about the program, but overall I found it to be a worthwhile experience. While many of the classes and workshops left me not overly impressed, I was amazed at the diversity of those around me.

Sixty people from all campus organizations from dorms, fraternities, the UA, the Interfraternity Council, the Panhellenic Association, the Dormitory Council, the National Society of Black Engineers, the

Black Students Union, and the Society of Hispanic Professional Engineers were stuck on a small island in the middle of Boston Harbor for a week. There was no escape. It could have been a disaster, but it turned out to be truly rewarding.

Instead of hiding from groups that people had problems with or didn't understand, everyone had to see everyone else almost every minute we were on the island. As a result several barriers came crashing down.

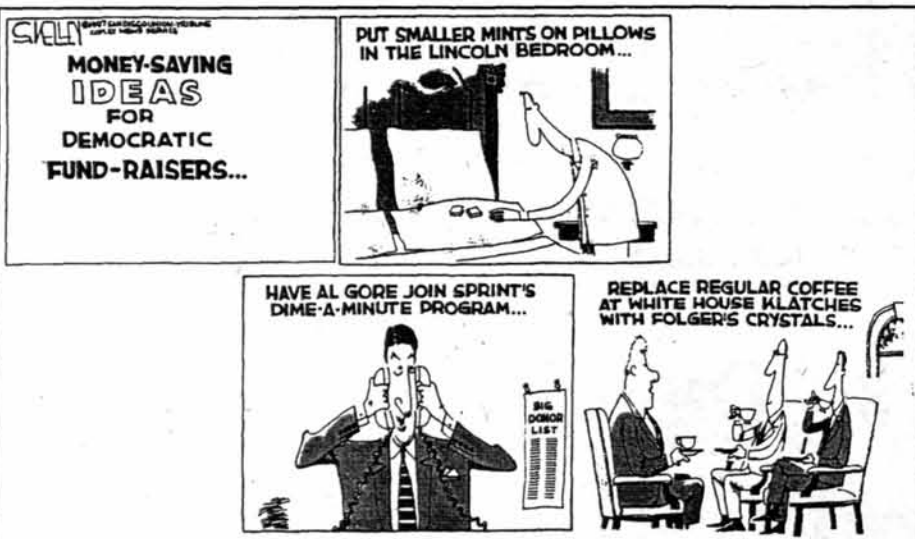
Participants began to realize that people and groups that they had severe differences with were not completely evil. Several meetings took place, and some issues began to be addressed on the island. However, we soon returned to MIT and our separate organizations. A good deal of what occurred at Leadershape was sidetracked as people returned to their normal lives.

The issues that were raised by Blau's column affect the whole campus and need the communication between groups that was begun at Leadershape to be continued. If this campus is ever to overcome the problems that affect it, we students need to work with each other to improve it. This is what Leadershape taught me.

The time has come for those who participated in Leadershape to stop referring to themselves in e-mails as "leaders" and prove it. If students are to make a lasting contribution to MIT, that contribution must come from all of us — Leadershape is just a start. We should all work together to address the issues raised by Blau, since they are not going away any time soon.

ERRATUM

In a story last Friday about the search for the new registrar ["Following Wiley's Early Retirement, Nationwide Registrar Search Begins," March 7], the name of the former registrar was misspelled. The former registrar is David S. Wiley '61.



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. 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, news@the-tech.mit.edu, sports@the-tech.mit.edu, arts@the-tech.mit.edu, production@the-tech.mit.edu, photo@the-tech.mit.edu, circ@the-tech.mit.edu (circulation department). For other matters, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. *The Tech* can be found on the World Wide Web at <http://the-tech.mit.edu>.

Dorm Dining Must Be Important Priority for Institute

Column by A. Arif Husain
COLUMNIST

The dining system at MIT is by far the most deplorable aspect of student life. It must be overhauled. The community has recognized this fact to some extent, but the threat of becoming overly bogged down in the minutiae of a new plan looms. The densely packed pages of the dining review working group's comprehensive World Wide Web site bear witness to this fact.

Such a vastly diverse body of opinion reflected among the student body has been a perennial scapegoat for an indecisive administration. Typically, it is politically necessary to cover all bases. Decisions are molded against the baseline MIT lifestyle, as dictated by the students who

live it. In this case, though, we are looking not at an addition to, but rather at a complete alteration of that very lifestyle. MIT must act responsibly, by putting forward a paternal hand in the best interest of its students. Dining halls must be reinstated where appropriate, but less specifically, dining together on campus must be an objective as specific and requisite as living together.

Amid the boil of ideas, the Institute must remain focused on its professed goals. There are implicit reasons behind the pairing of housing and food in a single office; reasons which extend from the Institute's status as a residential institution. Some universities exist like cities: Students live in scattered apartments and attend classes but take care of the rest of their personal matters. MIT is not one of these. Residence on campus sets the stage for a very different level of academic and social interaction compared to non-residential schools. Dining is an equal partner in the development of such a campus personality.

Presently, it is not treated with such regard.

My last semester, like the semesters before it, was marked by more than a few dozen pots of pasta and more than a few hundred bowls of cereal. Even more than the bad case of culinary ennui I suffered, it is the memory of having eaten most of those bowls of Total or rotini in the quiet of my own room or perhaps while loitering in the nearby hallway that strikes a bad chord.

Eating became a chore so irritating that I recall avoiding it until hunger made a strong enough case. Besides the time investment to buy groceries, cook, eat, and clean up, the food was dull and the experience was generally not a thrill. The nearby Aramark-run convenience store was always a frequented night spot, but Snapple and Tostitos only go so far. Something was clearly missing.

I propose that the Institute look to its nearest Massachusetts Avenue neighbor for a successful model. Harvard claims one of the largest collegiate dining systems in the coun-

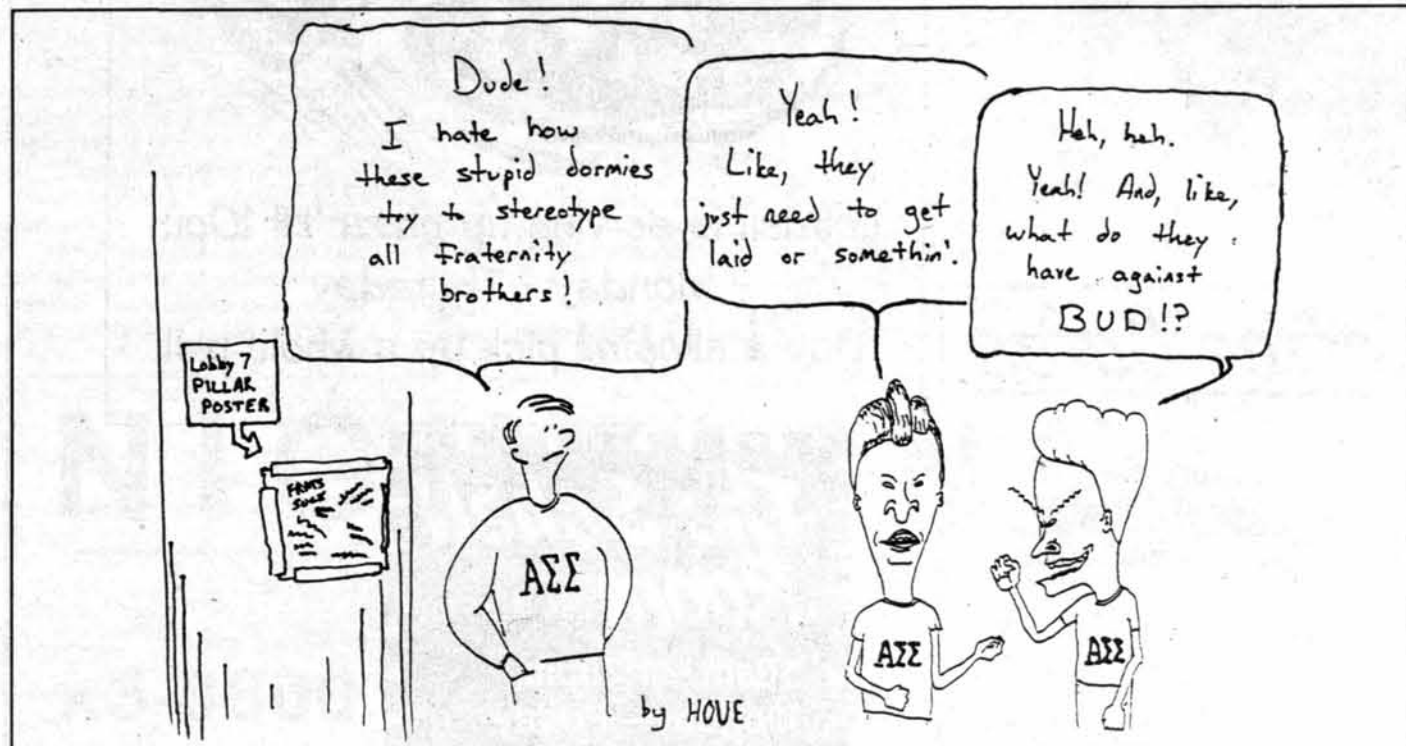
try, with all of its undergraduates guaranteed three meals a day. Harvard dining halls operate in every residence house and are the social core of each facility. The daily menu is the same all over campus, and the food service is respectably diverse and all-you-can-eat. Having spent a few months downstream, I must admit that the cuisine is not always fantastic, but it's generally not bad, and as my Harvardite high school buddy put it, "It's comforting to know that it's there."

Dining space presently exists in Next House, MacGregor House, Burton-Conner House, Baker House, and McCormick Hall. The ones that are not open (all but Next's and Baker's are closed) should be reopened. Walker Memorial and Lobdell Food Court should also be improved to create a more effective and usable system. Most of the aforementioned dormitory dining halls were closed not too many years ago because of poor student turnout — the result of poor planning, bad management, and bad service. My optimism prevents me from seeing such attributes recurring in a well-thought out reinstatement. The dining mandate is one that the Institute is well within its charge to make. It should not falter.

Certainly, MIT is a unique place and should not be slapped with a system that works some place else. The details of a new policy must account for MIT's oddly linear campus setup and varied student hours influenced by lab work and athletics. It should be mandatory, not forced — a privilege not an infliction. Like any other new policy, a new dining plan should be enacted toward the next application year and be made optional for current students. Students should consider it in their decision to matriculate, just as they consider many other aspects of what MIT has to offer.

The next five years must serve as a transition stage into a richer and more pleasant lifestyle. What is important in the end is a strong commitment to include dining as a staple — a commitment that is as yet unmade. The dining review working group must not fail in this task when it presents its final report next month.

A. Arif Husain '97, former opinion editor of The Tech, is currently living in Gainesville, Fla.



To: Members of the MIT Community

From: The Office of the Dean for Undergraduate Education and Student Affairs

Last year on May 15th the establishment of the Arthur C. Smith Award was announced. The first recipient will be named at the Awards Convocation on May 14th. This Award which honors the service to MIT by Professor Arthur C. Smith is to be given

**"to a member of the MIT faculty
for meaningful contributions and devotion
to undergraduate student life."**

Nominations for the Award, in a brief letter describing the candidates' qualifications, should be sent or dropped off by Friday, March 28 to:

**The Arthur C. Smith Award Committee
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For further information please call Dean Randolph at 253-4052.



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Institute Plans to Modernize Many Building 2 Classrooms

By Christopher M. R. Rezek

As part of an effort to modernize the Institute's teaching environment, 10 classrooms in Building 2 will be refitted this summer.

Provost Joel Moses PhD '67, who chairs the Committee for Review of Space Planning, announced the project at the faculty meeting on Feb. 19.

"The faculty were unanimous in their view that we ought to upgrade the classrooms," said Chair of the Faculty Lawrence S. Bacow '72. "Lots of people wanted to see this happen, and lots of people helped."

All MIT classrooms will eventually be evaluated, and nearly three dozen rooms have already been scheduled for renovations, Moses said. Most of the rooms scheduled to be refitted have received little maintenance in recent years beyond periodic repainting and light fixture replacements.

"We intend to continue the renovations in future summers," Moses said.

The planned renovations include providing lecturers with computer hookups for multimedia presentations, new heating and air condition-

ing, modern chalkboards, new furniture, and new lighting fixtures. Two of the classrooms will provide network access at each desk, making it easier for students to use laptops in class.

Students pleased with plans

Most students welcomed news of the renovations. "Of all the classrooms I've attended classes in, the ones in Building 2 are the oldest and most run-down," said Sarah W. Sohm '99.

"It will be great to have new furniture; it makes classes more comfortable and provides a studying environment comparable to the libraries for students to use," said Thomas D. Rikert '98.

The contrast between Room 26-100 and 10-250 was cited by some students as an example of the difference modernization can make in teaching.

"I don't know if the changes will make as much of a difference for the smaller classrooms as they would for the large lecture halls, but it will definitely be better than what we have now," said Mani S. Mahjouri '00.

Other students felt the computer

connections for laptops were not necessarily that important. "I only know one person who uses a laptop in class, and he bought it only a few weeks ago," said Jeffrey C. Gore '99.

Professor introduces plan

Professor of Earth, Atmospheric, and Planetary Sciences Leigh H. Royden, who taught a section of Physics I (8.01) in the fall, provided the impetus for the refitting.

At the September Faculty Policy Committee meeting, Royden noted that many classrooms, especially those used for freshman recitation sections, were in need of significant renovations.

"Other members of the committee agreed and we decided we would try to do something about it," Bacow said.

Since the renovations are scheduled to take place during the summer term, no loss of classroom space during the academic year is expected, Moses said.

The plans signal a renewal of Project 2000, an ongoing renovation initiative started by the late Margaret L. A. MacVicar, former dean for undergraduate education.



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Tuesday, March 11, 1997, 11:00 am to 4:00 pm
Student Center, Mezzanine Lounge, 3rd Floor

(Drop by for even a few minutes to enter raffle and meet recruiters informally one-on-one)

Dress: very casual ("come as you are")

>>> Important: Bring TWO (2) resumes and one unofficial student transcript <<<

PLEASE NOTE: Interviews are only by direct invitation by Intel, and are set up during our Open House on March 11. MIT will NOT sign up students for Intel interviews.

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- 1) You may win a new desktop PC**
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- > A PC will be raffled at 4:00 pm (YOU NEED NOT BE PRESENT to win, but leave SECOND copy of your resume as raffle entry form)
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- > Intel recruiters will sign up eligible candidates for MIT campus interviews to take place on Wednesday, March 12 (To sign up for a campus interview, you must come to the Intel Open House; MIT will NOT sign you up for an Intel interview)
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Junior Finds Security Flaw In Microsoft Internet Explorer

By Stuart Jackson

STAFF REPORTER

Christien R. Rioux '98, a junior majoring in computer science, discovered a bug in Microsoft's Internet Explorer World Wide Web browser Friday, the third major flaw in the program found this week.

Rioux made the discovery Friday morning, following the announcement of similar problems last Monday by students at Worcester Polytechnic Institute and Thursday by students at the University of Maryland.

The flaw "allows a malicious Web page to automatically run any program on the user's hard drive, which means that users of Internet Explorer could have their hard dri-

ves completely deleted, merely by looking at a Web page," Rioux said.

The bug was "pretty serious ... it can't get much worse," Rioux said.

This bug is of a "similar genre to the WPI bug," Rioux said. It exploits a feature of Internet Explorer that allows users to change Internet service providers easily, he said.

This feature uses scripts that are parsed by the "Internet Wizard," a Windows 95 program that helps configure Internet settings. These scripts have "undocumented options to execute programs" and can do "anything imaginable you can execute from a DOS prompt," Rioux said.

To correct the security flaws, Microsoft posted a patch on its Web

page that, when installed, causes Internet Explorer to prompt the user before running scripts.

Rioux has also posted a third-party bug fix on his Web site, located at <http://web.mit.edu/crionux/www/ie/index.html>.

Bug the result of poor design

When the WPI group announced the first flaw, Rioux realized that Internet Explorer had the potential for other problems because of its size and wide-ranging capabilities, he said. "Internet Explorer is quickly turning into an [operating system]."

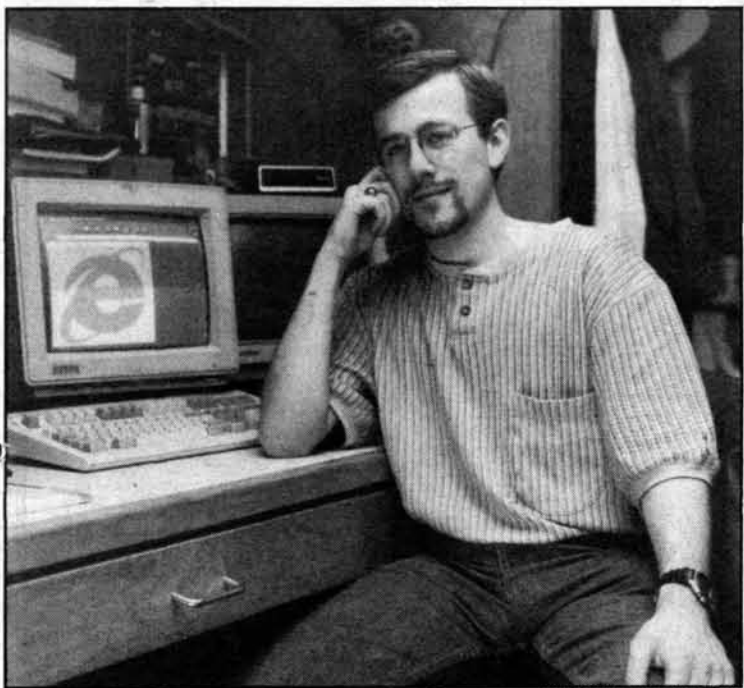
The WPI bug "was one instance of a particular type of bug, and Microsoft seemed only to patch that particular instance," Rioux said. "If I found it in half an hour, I'm sure that someone else would have and not done the right thing with it."

He said, however, that "you can't expect to catch any more fish with" this bug after the publicity associated with it.

Rioux expressed dissatisfaction with Microsoft's "careless attitude" when releasing new software, citing problems in Microsoft Word, Excel, and Internet Explorer, he said. Microsoft should do a better job of figuring out how programs can be misused before releasing them, he said. "Sometimes I think that the people at Microsoft should take 6.033 [Computer Systems Engineering] again."

Since the discovery, Rioux's story has been reported by the *Boston Globe*, CNN, CNET, and other electronic media. "I might survive all of this [publicity], but I don't know if my inbox will."

Frank Dabek contributed to the reporting of this story.



Christien R. Rioux '98

JENNIFER LANE—THE TECH

POLICE LOG

The following incidents were reported to the Campus Police between Feb. 27 and March 6:

Feb. 27: Bldg. E51, laptop stolen, \$1,500; Bldg. E52, books stolen, \$100.

Feb. 28: Random Hall, noise complaint; Student Center, David Kelly, of 240 Albany Street, taken into custody on outstanding warrant; Next House, complaint of taxi blowing its horn; Bldg. E38, malicious destruction; Kappa Sigma, ring stolen, \$600; Bldg. 4 bicycle rack, bicycle stolen, \$300; Bldg. 9, wallet stolen, later recovered; Kappa Sigma, fight.

March 1: Student Center, Robert E. Toney, of 777 Deham Ave., Newton, arrested for disorderly conduct and other related charges; Lobby 7, graffiti; Ashdown House, malicious damage.

March 2: East Campus, obscene phone calls; Walker Memorial, malicious damage; Bldg. 2, wallet stolen, \$20.

March 3: Bldg. 3, obscene e-mail; New House, wheel cover stolen, \$50; Bldg. 7, personal items stolen, \$5; Bldg. 56, laptop stolen, \$2,500; Bldg. 3, annoying phone call; Student Center, leather jacket stolen, \$750; Bldg. 36, annoying phone calls; Bldg. 3, CD player stolen, \$50; Student Center, wallet stolen, \$25.

March 4: Bldg. NW14, suspicious activity; Bldg. 7, wallet stolen, \$5; McCormick Hall, annoying e-mail; Bldg. NW12, computer stolen, \$4,000; Student Center 1) cellular phone stolen, \$125; 2) wallet stolen, no cash.

March 5: Bldg. 20, water cooler stolen, \$250; Dewey Library, purse stolen, \$100.

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Spring Term 1997 Minicourse Schedule



Last Chance 'til September for
Athena Minicourses
This week: Intro Level Topics

Mon			Tue		Wed		Thu	
12 noon	10 Feb	Intro	11 Feb	Basic WP	12 Feb	Working	13 Feb	EZ
7 p.m.		Intro		Working		Intro		Working
8 p.m.		Basic WP		EZ		Basic WP		EZ
12 noon	17 Feb	Holiday ●	18 Feb	Info Res	19 Feb	HTML	20 Feb	Dotfiles
7 p.m.		✓ No Classes		Info Res		Info Res		Dotfiles
8 p.m.		Presidents' B'days		HTML		HTML		Serious Emacs
12 noon	24 Feb	Frame	25 Feb	Fr. Thesis	26 Feb	Latex	27 Feb	La. Thesis
7 p.m.		Frame		Latex		Latex		Frame
8 p.m.		Frame Thesis		Latex Thesis		Latex Thesis		Frame Thesis
12 noon	3 Mar	MSO	4 Mar	Matlab	5 Mar	Maple	6 Mar	Xess
7 p.m.		MSO		Maple		Maple		MSO
8 p.m.		Matlab		Xess		Xess		Matlab
12 noon	10 Mar	Intro	11 Mar	Basic WP	12 Mar	Working	13 Mar	EZ
7 p.m.		Intro		Intro		Working		Working
8 p.m.		Basic WP		Basic WP		EZ		EZ
12 noon	17 Mar	Latex	18 Mar	La. Thesis	19 Mar	Frame	20 Mar	Fr. Thesis
7 p.m.		Info Res		Dotfiles		Latex		Frame
8 p.m.		HTML		Ser. Emacs		Latex Thesis		Frame Thesis

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MIT Has Higher Self-help Than Other Universities

Tuition, from Page 1

income for the Institute," Hudson said.

Self-help level remains the same

"I think the levelling off of self-help levels is a wonderful message to students that the administration is concerned," Williams said. It is a "message of support and relief to students," she said.

Still, the self-help level expected of students at the Institute is still higher than that of comparable institutions. MIT ranked highest in self-help level in a comparison of 10 peer institutions, including the Ivy League colleges, the California Institute of

Technology, and Stanford University, Williams said. Cornell University's self-help level, which was the second highest in the group, is \$7,270.

"Self-help [at MIT] has always been higher because of better employment opportunities and a higher wage," Hudson said.

The high percentage of self-help level to tuition is a result of a decade-old policy regarding tuition and self-help increase, Williams said. The administration then decided to keep percentage increases in tuition lower than the percentage increases in self-help, she said. "This year represented the opportunity to make an important correction."

Despite this year's trend, there is "no expectation that self-help can be held level" in future years, Williams said. However, there will be "efforts to moderate the rate of increase as much as possible."

Last year, the self-help level increased \$450, or 5.5 percent.

"Definitely, the administration is listening to student concerns," said Undergraduate Association President Richard Y. Lee '97. "I was at the Academic Council meeting when they decided [on the increase]. As an undergraduate, the strongest case I could make was not to raise the self-help level."

Lee said he felt Vest considered the advice in keeping the self-help level constant. In any case, "it's

very difficult to earn that kind of money."

Grant money expected to increase

Along with tuition increases, MIT-based scholarship grants are expected to increase to \$27.7 million, a \$1.5 million rise from this year.

Total funding for grants to needy students comes from four sources: the federal government, outside private scholarships, MIT's endowment, and MIT's unrestricted funds.

In the current year, revenue from MIT's endowment and unrestricted funds accounted for 77 percent of total grant money.

"Since the other sources are fixed regardless of the student budget, the increase in costs to MIT associated with holding self-help constant is paid for from additional unrestricted funds," Hudson said.

This year, 59 percent of undergraduates had eligibility for some support under MIT's formula.

"Statistically, the percentage of needy students is higher at MIT than at competitor institutions," Williams said.

This is because science and engineering attracts a less affluent population of first and second generation immigrants, Williams said.

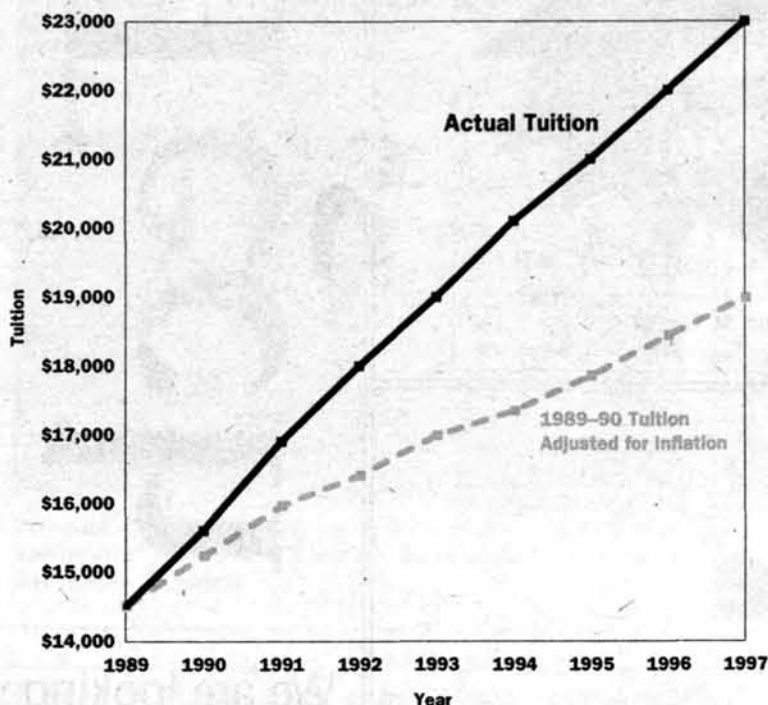
Aid decisions will be unaffected

"Individual aid decisions are made independently of the student budget or tuition levels," Hudson said.

International students do not have interest subsidies on their loans. "Since self-help will not increase, international students will benefit by seeing the loan portion in their packages held constant," Hudson said.

"Students and parents make a decision to attend or not based on lots of different factors. We hope that our financial aid policies do enable all admitted students to attend if they elect to do so," Hudson said.

Comparison of MIT Tuition Increases Against Inflation



This graph plots the rise in tuition between the 1989-90 and 1997-98 academic years against increases solely due to inflation during that time period. The latter plot is the tuition level had all increases in tuition since 1989-90 been a result solely of inflation, as calculated by the Consumer Price Index.

SOURCE: BUREAU OF LABOR STATISTICS

TECH GRAPHIC BY SAUL BLUMENTHAL

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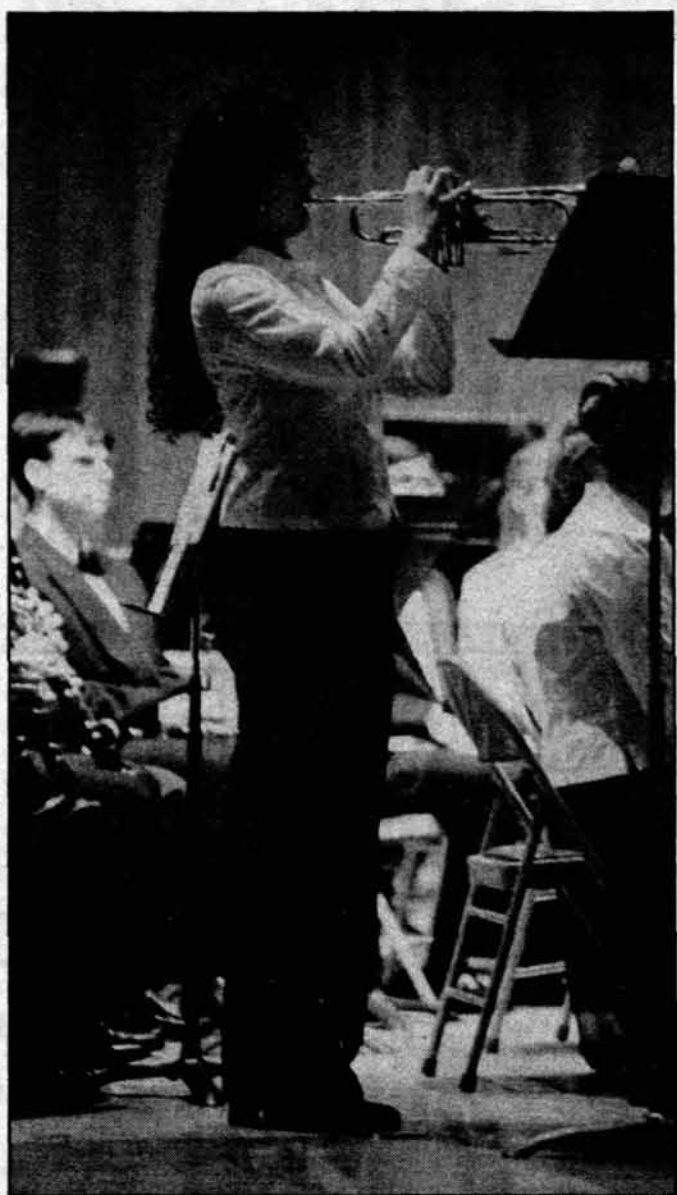
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Note: ADL is interviewing candidates for other positions within the Technology and Product Development and Management Consulting Directorates. Candidates interested in those positions should apply separately for those positions.

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Priscilla C. Fonseca '00 plays a trumpet solo in "Rose Variations" at the MIT Concert Band concert in Kresge Auditorium on Sunday.



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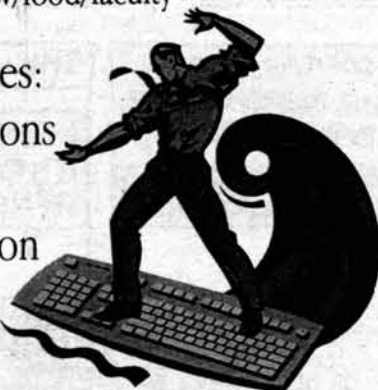
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POSITION AVAILABLE IN THE ADMISSIONS OFFICE AS AN ADMISSIONS COUNSELOR

The Office of Admissions is now accepting applications for the position of Admissions Counselor. This is a one-year full-time position beginning in July, 1997. Duties include:

- conducting question and answer sessions
- interviewing prospective applicants
- visiting secondary schools
- coordinating MIT student involvement in reception area
- participating in admissions committee decisions

Applications are available in the Admissions Office, 3-108, with Sharon Lim-Hing and should be returned no later than April 1, 1997.

Note: This is for 1997 (January or June) MIT graduates.

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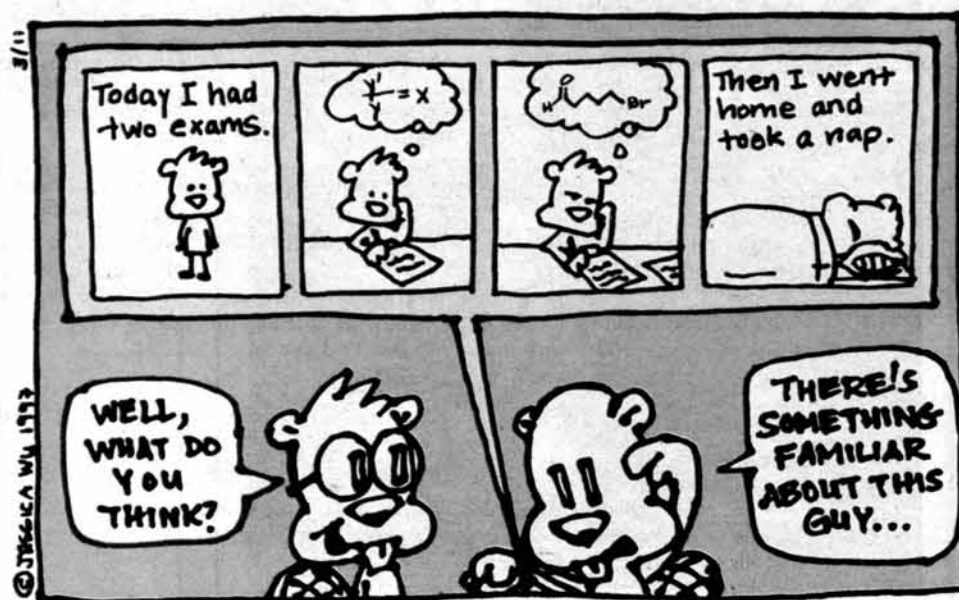
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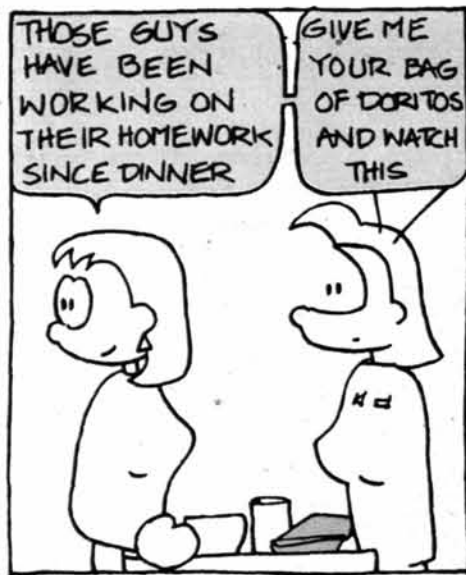
Dammed for Life

by JESSICA WU



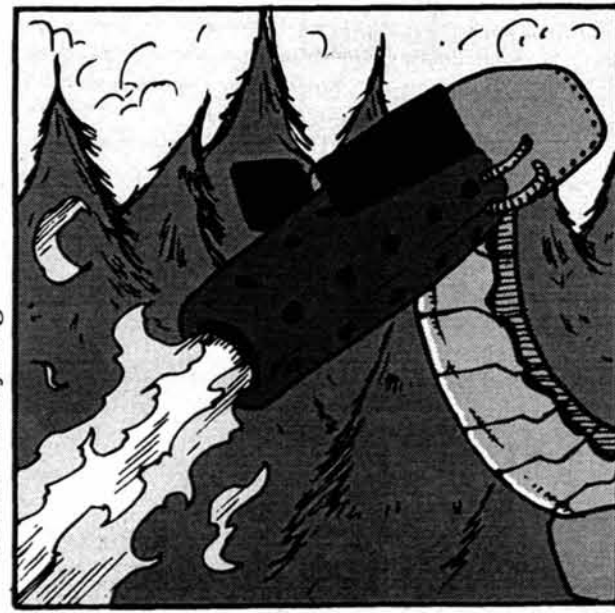
Off Course

by Hugo



RHINO MAN

by Zachary Emig



To be continued...

Four Legs Good, Eight Legs Baaad: Clone Prompts Doubts

Cloning, from Page 1

"I had no real idea we were so close to this kind of accomplishment."

Scientific, ethical questions loom

"It is clearly the human implications that have people going," said Professor of Biology David E. Housman, who testified yesterday before the Massachusetts Senate Committee on Science and Technology on issues related to Wilmut's discovery.

The feat has led to talk of all sorts of scientific applications — like making parenthood possible to sterile couples, saving endangered species, or mass-producing medicinal drugs — in addition to Wilmut's goal of improving livestock. But it has also raised many fears among people who worry this technology could one day be used to clone humans.

Based on the current science, though, most of these dreams and fears are premature, say some MIT biologists.

One big problem is with efficiency of technique: It took nearly 300 failed attempts to produce the one live calf. "It seems to be very inefficient," Jaenisch said. "Why is that?"

Cells in the body have a high rate of mutation that natural reproduction seems to reduce. Maybe using mammary cells — which are body, or somatic, cells — as genetic source material contributed to the high rate of abortion, Jaenisch said.

Whatever its cause, that problem has important ethical ramifications.

"You hear in the press that this technique could be used by a childless couple for a child, but there are serious scientific and ethical problems for that," said Jaenisch, who also testified before the Senate committee.

"If you think it's right to have to put up with all kinds of abortions

until you get a [child]," he said, "that's an ethical problem."

And there are other problems involving human applications. The worst-case scenario is growing a clone as a human repair kit, Jaenisch said. Science fiction has long entertained the chilling idea of keeping clones as personalized organ donors. But "that is pretty repulsive for many people," Jaenisch said. Wilmut and many other scientists agree.

Still, there are many possible benefits that do not involve human experimentation. "I could see some real big advantages," Jaenisch said. These include growing specific types of cells — marrow for leukemia patients, for example — in culture, that could later be used for transplants.

Science is still a ways away from being able to alter genes in cells like the one that made Dolly. Once that is possible, though, a whole new set of applications appear on the horizon.

It is within reason, for instance, to imagine raising pigs that had no immune systems, and therefore could be used for liver and other organ transplants without fear of organ rejection, Jaenisch said. Another possible application would be to insert genes into cows or sheep that would make their milk richer in certain proteins or life-saving drugs.

Overseeing technology difficult

But these possibilities also beg an important question: How can this new technology be guaranteed to be used safely and ethically? The hope, say scientists and students alike, seems to lie with both the government and scientists themselves.

Last week, President Clinton banned federal funding of human cloning research and further asked

privately funded scientists to refrain from such research for the foreseeable future.

"I think the government and scientific communities are doing the right thing in staging a moratorium on human cloning until we better understand what is going on," Tegen said.

"This is the same thing that happened when recombinant DNA techniques were discovered in the 1970s," said Anna E. Lee '97, a former member of the Jaenisch lab. "A cooling off period should help us put things in perspective as well as give us the chance to figure out what is going on here."

"The issue for the public will continue to be human cloning and the emotional issues which this brings up," Housman said. Despite the public's distaste for pursuing this kind of research on people, "there can be no guarantees that such a direction will never be pursued by any scientists in any part of the world at any point in the future. A society-wide ban on the use of this methodology for human cloning is likely, and it is my hope ... that this ban will be adhered to in all parts of the world."

"I think we just need to be very careful about where the technology will take society," Lee said.

"Some technologies just aren't worth having in terms of their cultural and philosophical consequences," Lee said. "And I definitely don't think that we should allow a few scientists who are excited about technical details to guide us into this new era of genetic information. Most scientists I know just pay lip service to the ethical consequences of research."

But Housman remains hopeful. "We as scientists bear a duty to inform society as effectively as we can with respect to issues such as this one," he said.

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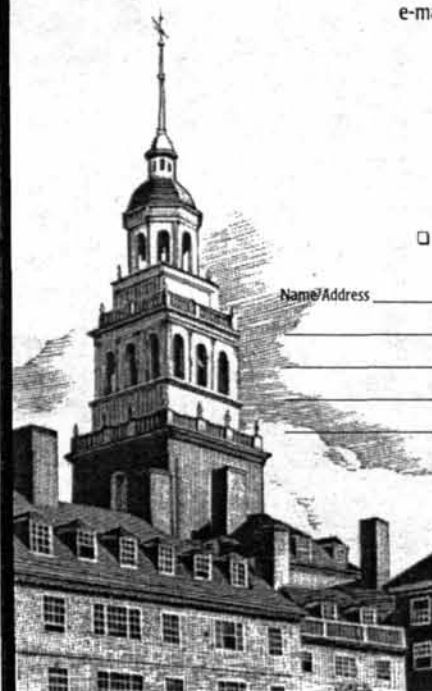
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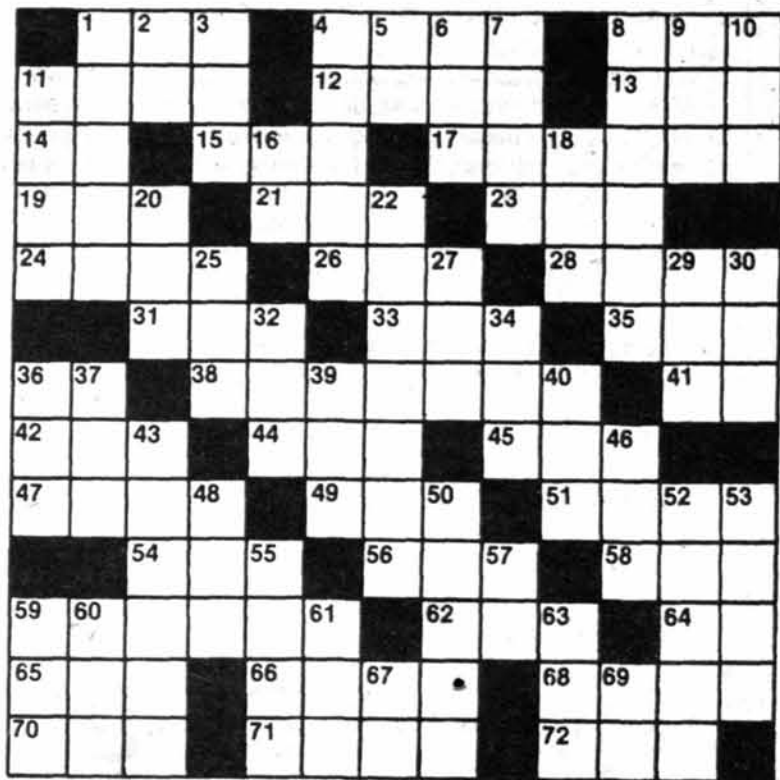
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- ACROSS
- 1. Alternate (abbr.)
 - 2. Instance
 - 8. Sleeveless garment of goat's hair
 - 11. _____ Horne
 - 12. First man
 - 13. Recreational vehicle
 - 14. Atop
 - 15. Fish with snout
 - 17. Alter
 - 19. Tree
 - 21. Also
 - 23. Pave
 - 24. Act; deed
 - 26. Route
 - 28. Absolute monarch
 - 31. Earth (Gr. comb. form)
 - 33. Beverage
 - 35. Self
 - 36. Elevated railroad
 - 38. Stomp
 - 41. Hypothetical force
 - 42. Soak flax
 - 44. Before (Poetic)
 - 45. Emmet
 - 47. Shower
 - 49. Knock
 - 51. College official
 - 54. Rest
 - 56. Drag
 - 58. Two
 - 59. Abase

- 62. Tin
- 64. Take action
- 65. Time period
- 66. Not any
- 68. Chief Norse God
- 70. Pale
- 71. Jug
- 72. Rodent

- DOWN
- 1. Feel
 - 2. Coalition of nations (abbr.)
 - 3. Sack
 - 4. Ricochet
 - 5. Public notice
 - 6. Unhappy
 - 7. Give off
 - 8. Loath
 - 9. Ban
 - 10. Small bug
 - 11. Idle
 - 16. Near
 - 18. Tub
 - 20. Crone
 - 22. Breakfast cereal
 - 25. Vietnamese offensive
 - 27. Energy
 - 29. Gone by
 - 30. Staff
 - 32. Metal
 - 34. _____ Mode
 - 36. Mistake
 - 37. Meadow

- 39. Craft
- 40. Goal
- 43. Oz character
- 46. Mow grass
- 48. No (Scot.)
- 50. Lead car
- 52. Scan
- 53. Midday
- 55. Window
- 57. Southern state (abbr.)
- 59. Morning moisture
- 60. Age
- 61. At once
- 63. Neither
- 67. Direction (abbr.)
- 69. Prosecuting lawyer (abbr.)

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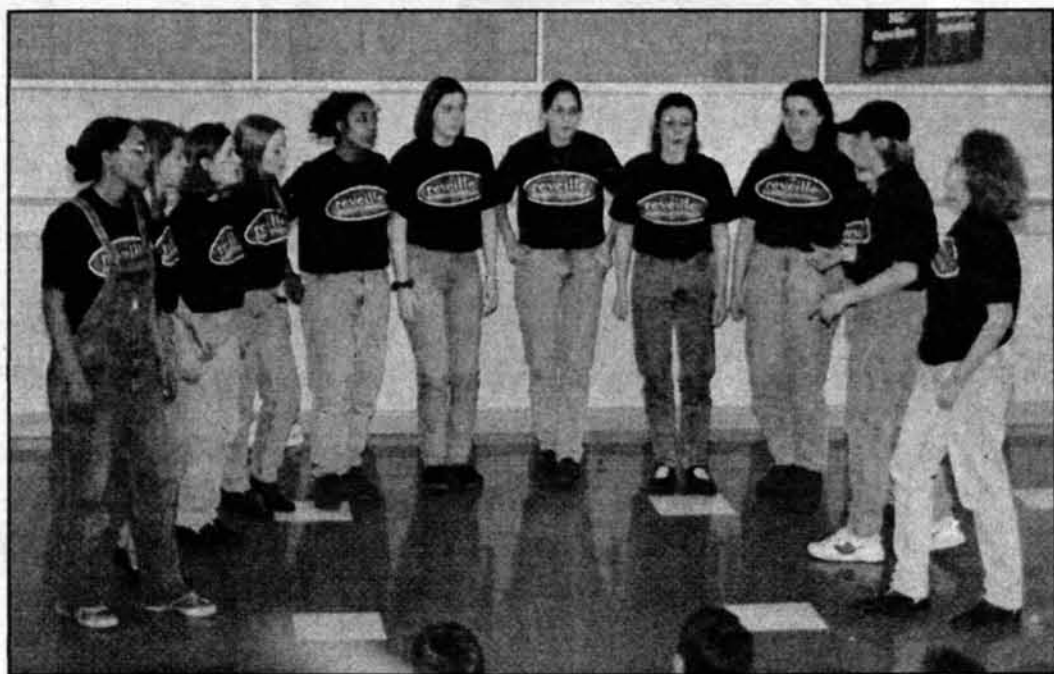
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JENNIFER LANE—THE TECH

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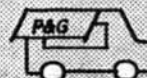
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Information Session

Monday, March 17, 1997

7:00 to 8:30pm

Room # 4-153

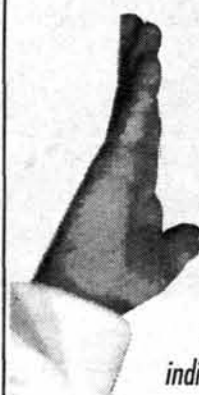
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The deadline to apply for on campus summer and fall 97-98 vacancies in family and single graduate student apartments and dormitories is 5:00 p.m. on Friday, February 28, 1997. On March 1, 1997 there will be a housing lottery for any fully-registered continuing graduate student wanting on-campus housing for the 97-98 academic year. Applications are available in Graduate Housing in E32-133, and must be returned by the deadline to the same office. Any questions, call 3-5148. The Graduate Housing Office will be closed Monday, March 3rd due to the lottery.

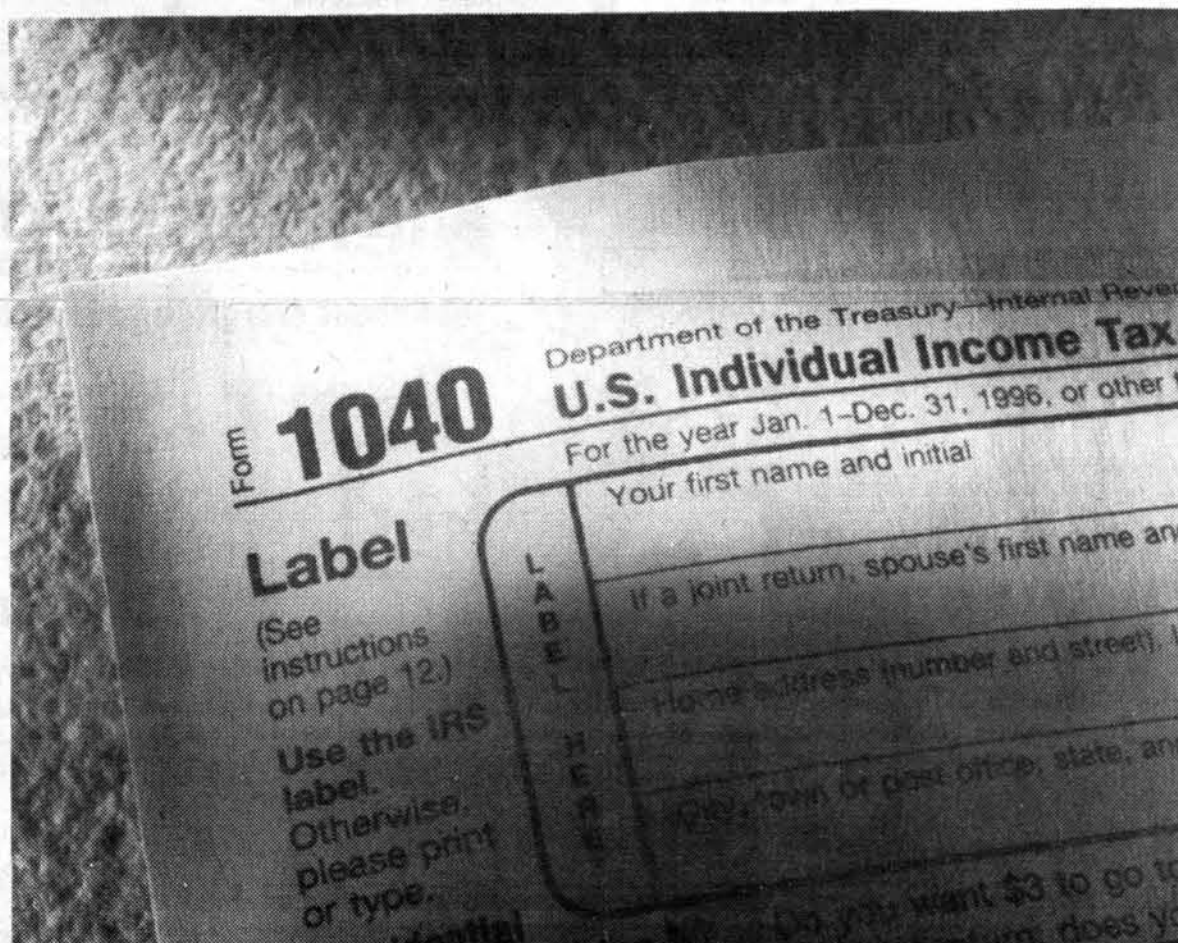
MIT Concert Band free concert! Sunday, March 9, 8pm in Kresge Auditorium. John Corley conducting, Sarah Tegen '97 assistant conductor. Pieces include Military March by Beethoven, Rose Variations by Robert Russell Bennett, featuring Priscilla Fonseca '00 on solo trumpet, Challenger: Ron McNair by Ira Schwarz, and many other original works for concert band.



THOMAS R. KARLO—THE TECH

Damon J. Bramble '97 of the MIT Festival Jazz Ensemble solos in Benny Carter's *São Paulo* on Saturday night. The performance was part of the MIT Big Band Bash in Kresge Auditorium.

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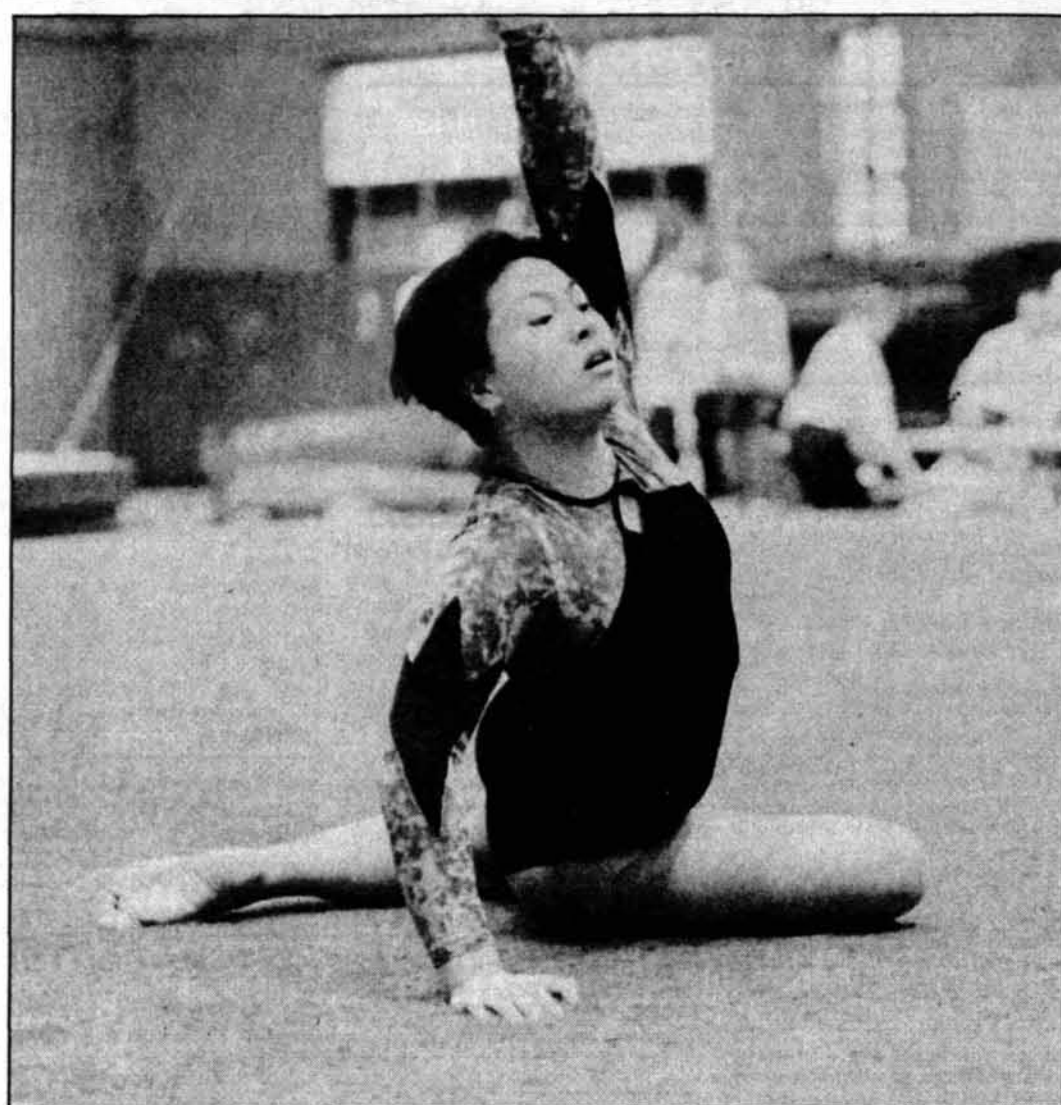
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AHMED AIT-GHEZALA—THE TECH

Stephanie Cheng '00 completes her floor routine at the gymnastics meet last Saturday afternoon in DuPont Gymnasium.

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Students React to Proposals On Intermediate Grading Plan

UA, from Page 1

advice to faculty for advising, and to students to see how they're doing," he said.

The committee is currently reviewing the potential effects on grade point averages that could be incurred as a result of the intermediate grades, Lagace said. "We are going to compare the GPAs of people now and see how much the [average] GPA of the Institute would change, and also how people's GPAs would change."

"Anything is possible," as a result of this review, Lagace said. "We could make plus/minus grades external, or we could keep plus/minus grades internal ... for advising purposes only." Intermediate grades could also be discontinued, Lagace said.

Regardless of any policy change, the intermediate grades issued during the experimentation period will remain internal, Lagace said.

Student reaction mixed on issue

Some students at the UA meeting said that their impressions of internal grades depended on the type of class involved.

"Among the faculty, views tend to range toward [appreciating] intermediate grades when the subject is quantitative," said Next House Representative to the UA Jeremy D. Sher '99. "In subjects where less quantitative grading is done, people seem to be less in favor" of intermediate grading.

The UA's Committee on Educational Policy has been talking to faculty members and students about their opinions of the intermediate grading system, said Louis J. Nervegna '99, a member of the committee.

The CEP surveyed a sampling of Baker House residents last weekend to find out their opinions on the system. Of 182 responses received, 109, or 60 percent, were against any type of intermediate grading system,

while 40 percent of those surveyed were in favor of some type of intermediate grading system, Nervegna said.

The CEP also came up with positive and negative impacts of an intermediate grading system, Nervegna said.

"At MIT, you have people applying to summer jobs ... with just a few terms of grades" because of the freshman pass/fail system, Nervegna said. Intermediate grading would provide additional information to potential employers.

On the other hand, intermediate grades "would cause a lot of stress for students," Nervegna said. "People who were getting B [grades] ... would be going crazy trying to keep from getting B-[grades]."

Financial allocations approved

In addition to the plus and minus discussion, the UA approved allocations made by the Finance Board for the disbursement of the UA's portion of the one-time \$40,000 allocation to small student groups.

The funds, pledged last fall by Provost Joel Moses PhD '67, were to be disbursed by a Central Allocations Board. After the UA and Graduate Student Council objected to the board, the board was never created. The funds will be used by groups for capital expenditures and large events, said UA Treasurer Russell S. Light '98. "The restrictions are pretty large on what you can do," he added.

Several UA representatives questioned \$3,500 in allocations to the men's and women's ultimate frisbee teams.

"The stipulation we placed is that these would be materials that they keep" for the group and not for individual members, Light said.

Unlike other funding allocations, priority was given to those requesting capital expenditures and larger events, Light said.

Committee nominations approved

The UA also approved the nominations to faculty committees proposed by the UA Nominations Committee.

This year, more applicants applied to faculty committees than in previous years, according to Nomcomm Chair Kevin J. Lee '97. "There were more people who were serious" about serving on a committee this year than in previous years.

Because of the high number of strong applicants, Nomcomm nominated more individuals than the number of spaces available, Lee said. Each chair will then interview the candidates during the process.

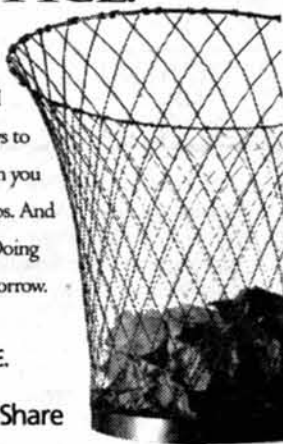
While the number of additional applicants is good for the system in general, several applicants were nonetheless nominated to multiple committees because of a shortage of qualified applicants, Lee said.

In a separate matter, the UA failed to appoint two members to serve on the Institute Dining Review Advisory Group.

"I'm not supposed to be representing students on this group," said Sher, who serves on the working group. "I'm supposed to be impartial." The UA needs representation in order to make the views of students made on issues like mandatory meal plans and house dining, he added.

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EA Sports Returns from Grave, Picks Kansas for Title

Column by Bo Light

SPORTS COLUMNIST

It's not easy to read MIT's oldest and largest newspaper these days. First, "Red Meat" came along, causing a wave of complaints reminiscent of the glory days of "Jim's Journal." Then, we discovered that people on campus are judged not by their character, but by their address.

Finally, just when you thought it was safe to pick up *The Tech*, March Madness returned, and with it came all of the bad picks, bad commentary, and bad jokes you thought were gone forever. That's right, kids, EA Sports is back to unite this divided campus (well, at least the fraction that watches basketball).

Welcome, one and all, to the Fifth Annual NCAA Tournament Preview Extravaganza!

At this point, most tournament previews complain about either a) the teams that weren't selected for the tournament, b) the seedings, or c) Dick Vitale. Well, in answer to all of their complaints: a) Michigan/Syracuse/Southwest Missouri State did not deserve bids, so quit whining, b) It doesn't matter where you're seeded, you'll play a number one seed sooner or later, c) Yes, Dick Vitale must be stopped.

All season long, commentators have designated just a few elite teams as contenders for the NCAA title. Depending on whom you talked to, there were anywhere from three to eight teams with a chance at the national championship.

All of that is out the window now. There are 64 teams with a shot at being Numero Uno. Okay, maybe 40 with a realistic chance. All right, a dozen, tops. Anyway, let's move on to the picks. Laugh all you want; I can't hear you.

East Region

North Carolina grabbed the top seed here by winning the Atlantic Coast Conference tournament. Hopefully, they're not looking past Fairfield, but if they are, who could blame them? There isn't much in the top half of this bracket to keep Serge Zwicker and Company from the regional final.

In the bottom half, South Carolina should be able to cruise, despite anything you hear from Dicky V.

Teams to Watch: Long Island? Who are these guys? You can bet Villanova will find out. Also, Louisville versus UMass should be a great first round game.

Big Upset: For the second year in a row, it's Princeton coming from the 12-spot, this time to beat Cal.

Sweet 16: North Carolina, South

Carolina, Louisville, Villanova.

Regional Champ: South Carolina. Hey, could you pick against a team that beat Kentucky twice?

Southeast Region

As usual, the Southeast is the toughest region top to bottom. Top seed Kansas should survive, but the other teams in the top half of the bracket are in for some battles. Maryland could have its hands full with College of Charleston, and Arizona, well, is Arizona.

The bottom half looks to favor Duke, but any of these teams are capable of pulling the big upset. Well, maybe not Murray State.

Teams to Watch: The aforementioned College of Charleston is a wild card. Georgia came within a game of the Southeastern Conference title (yeah, so they got blown out in the final, so what?) and didn't get a third seed for nothing.

Big Upset: South Alabama over Arizona. U-S-A! U-S-A!

Sweet 16: Kansas, Duke, Georgia, Maryland.

Regional Champ: Kansas' inside game will overpower any other team in this region. Jayhawks to the Final Four.

Midwest Region

Despite losing their last game to Wisconsin (to the eternal delight of

Badger fans), Minnesota grabbed the top seed in the Midwest. They look good, but don't be fooled, folks: the Big 10 is a paper tiger.

The weak top seed, combined with some very good teams in the lower slots, make this a wide-open division.

Teams to Watch: Cincinnati was on the short list of contenders early in the season, as was Clemson. Either of these teams could make things interesting.

Big Upset: Hard to find one here. BU over Tulsa is the hometown pick, but don't hold your breath.

Sweet 16: Minnesota, UCLA, Cincinnati, Clemson.

Regional Champ: UCLA. Hard to believe a team that lost by 50-some points to Stanford would be in the Final Four, isn't it?

West Region

Once again, the West is the dumping ground for the good teams that just didn't fit in the other regions. Kentucky fans may be howling about having their team sent to the Left Coast, but they should quiet down when they realize that the Wildcats have an easy road to the regional final.

In the bottom half of the bracket, every basketball fan should be drooling over the potential matchup of Utah and Wake Forest in the Sweet 16. Finally, we will see who

the best player in the country is (Hint: It ain't Tim Duncan).

Teams to Watch: Stanford has been a team to watch ever since blowing out UCLA early in the season. Not that they've done much since.

Big Upset: Oklahoma over Stanford in the first round. Just because they're a Team to Watch doesn't mean you get to watch them win.

Sweet 16: Kentucky, Utah, Wake Forest, Boston College.

Regional Champ: Keith Van Horn might be able to get the Utes past Wake Forest, but it would take three of him to beat Kentucky. I don't think they'll be able to clone him in time.

We will be back with the Final Four overview after these words from our sponsor:

Zwicker (v.) — to succeed in a stylish manner; "North Carolina zwickered N.C. State last night."

Schrempf (v.) — to fail ignominiously; "Traylor really schrempled that free throw."

Final Four

SEC fans would love to see a third South Carolina-Kentucky matchup, just to see if the Gamecocks can win three in a row from the 'Cats. It's a nice thought, but Carolina has to get past Kansas first, and that's not gonna happen. Kentucky, on the other hand, has more than enough tools to beat the Bruins.

In the final, you can pick KU to win the championship and be right no matter who wins. However, EA Sports can't get off that easy. This game is a toss-up. Both teams have stars (Jacque Vaughn, Ron Mercer). Both teams have great coaches (Roy Williams, Rick Pitino). Kansas is 31-1, but Kentucky is the defending champ and playing its best.

Kansas is the more experienced team, but Kentucky knows how to win the big game. Kentucky is the deeper team and plays better defense, but Kansas has the tools to break the press.

In the end, the game will come down to Raef LaFrentz and Scot Pollard, the inside game that Kentucky has no answer for. It's a barnburner, but Kansas is Number One.

And that's that. Enjoy the games, and look for EA Sports to continue on an intermittent (read: when I remember to write it) basis throughout the term.



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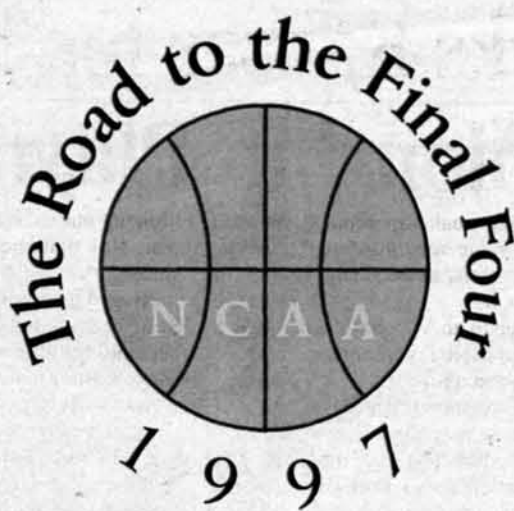
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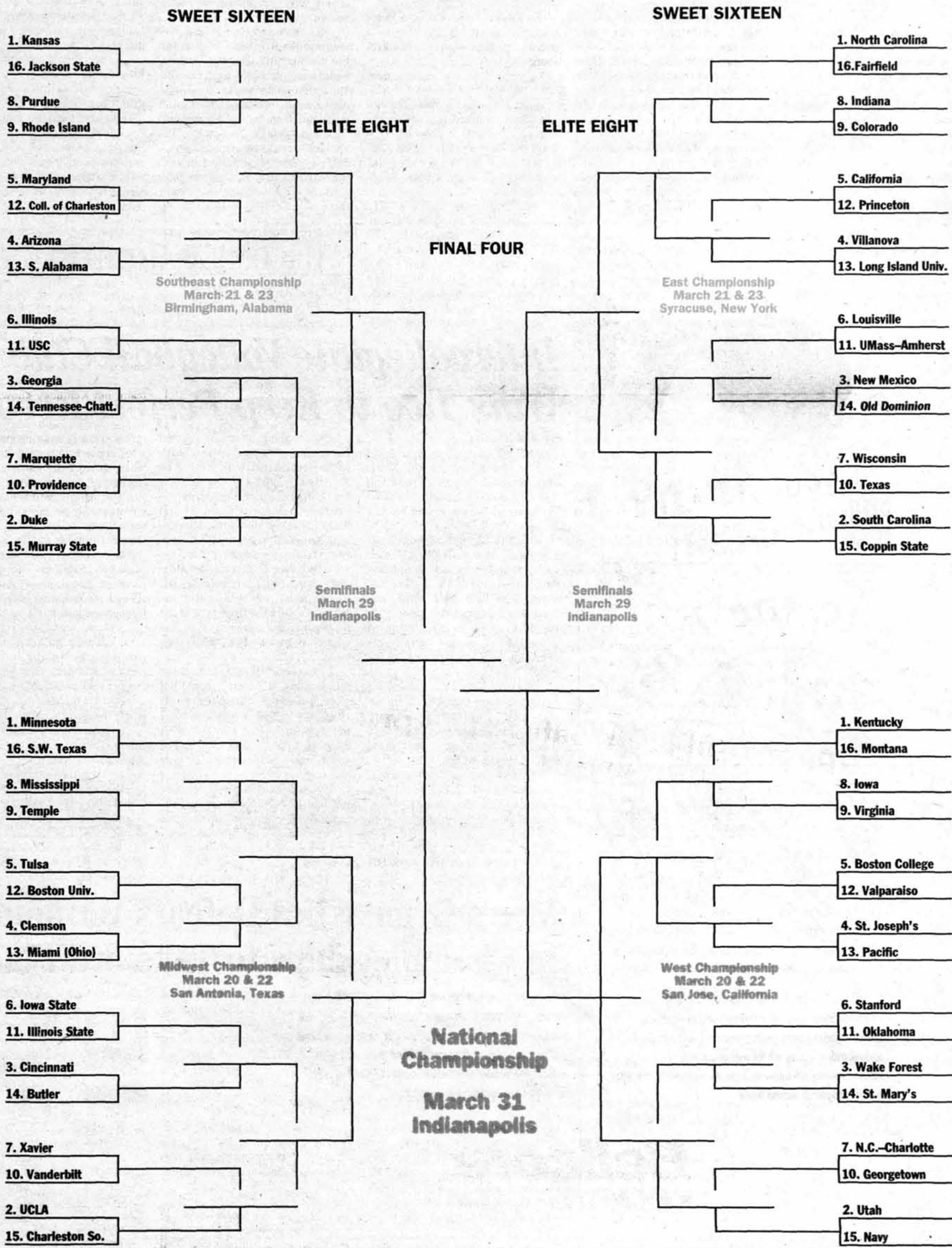
We recommend awarding 1 point for every first-round game correct, 2 for the Sweet 16, 4 for the Elite Eight, 7 for the Final Four, 11 for the semi-finals, and 16 for the Championship. Make the total number of points in the Championship game the tiebreaker if necessary. See who takes it all.

SOUTHEAST

EAST

MIDWEST

WEST



SPORTS

Hockey Places Second in Championship Playoffs

By Hana Ohkawa
STAFF REPORTER

The men's ice hockey team finished second in the 1997 North East Collegiate Hockey Association Championship playoffs.

The team fell short of winning the championship with a close loss to the dreaded Central Connecticut State University Blue Devils on March 2.

The day before, the team upset a local powerhouse, Bryant College. On Feb. 28, the Engineers upended Johnson and Wales University in double overtime.

MIT is bedeviled by CCSU, 3-2

The team's game against CCSU was their third in three days. MIT and CCSU have a long rivalry. The Blue Devils were the only team to beat the Engineers twice last season. In their two meetings this season, MIT lost 6-5 and tied 2-2. CCSU has been particularly adept at shutting down the MIT power play.

Though both teams came out of the locker rooms determined and enthusiastic, the Engineers seemed a little tired from their two hard-fought victories. CCSU definitely had the edge in the first period. Midway through the period, CCSU standout Steve Roberts scored, with a textbook tip-in.

CCSU then had two nearly consecutive penalties, one for hitting after the whistle, the other for checking from behind. The Blue Devils played a man-down formation that the Engineers had not seen this season. MIT was unable to adjust and score on either penalty.

MIT rallied in the second, with a goal by John Rae '99, off an assist by Buddy Webb '97, to tie the score at 1-1. The Engineers had another power play opportunity with eight minutes remaining in the second but were again unable to convert.

Shortly after, veteran defenseman Steve Schlueter '97 was called for hitting after the whistle. Schlueter and a Blue Devil player were skating full speed down the ice, chasing a possibly iced puck. Not sure that icing would be called,

Schlueter lined up to check the Blue Devil player. By the time the whistle was blown, Schlueter was unable to stop.

This penalty proved costly: without lead defenseman Schlueter, the short-handed Engineers were extremely vulnerable. CCSU scored four seconds into the penalty, taking a 2-1 lead. A few minutes later, Rae was sent to the box, and CCSU again scored on the power play, putting them ahead 3-1.

The Engineers were discouraged but not yet defeated. Halfway through the third period, Greg Donaldson '00 scored a power play goal to cut the CCSU lead to one, 3-2. MIT fought valiantly, but CCSU did an excellent job of putting up a defensive wall. At the buzzer CCSU prevailed 3-2.

Though the playoffs ended in defeat, the Engineers impressed everyone with their determination and high quality play. CCSU Head Coach Dave Roberts said, "MIT deserves a ton of credit."

"Coming in a third seed and beating two top powers ... they have a lot to be proud of, and we're just happy we could squeak by," Roberts said.

Head Coach Keller was gracious in defeat. "I'm extremely proud of the way we played these three days, in three one-goal games. We beat what the [American Collegiate Hockey Association] considers the best team in the region," he said. "If there's an MVP for the tournament I would have to say it should be John Zehren ['99]. He played an outstanding tournament and saved the game against Johnson and Wales."

The team received a trophy for being the tournament's runner-up finisher. The trophy is on display at the Johnson Athletics Center.

MIT defeats Bryant College

The Engineers defeated Bryant College, the New England Conference regular season champions to enter the conference championship game. The last meeting between these two teams ended in a 1-1 tie, a tribute to the skills of both goalies. In contrast to Johnson and

Wales, the Bryant Bulldogs did not have any stars but did have good depth.

Rae continued to be the most casualty-producing weapon in the MIT arsenal. His goal in the first period gave MIT a 1-0 lead which they took into the locker room.

A component of Bryant's offensive strategy was to slap shot the puck at the goal instead of dumping it into the zone. As a result, there were many shots taken from near the blue line. Inexplicably, during the second period, one of these shots wedged its way through Zehren's pads and dribbled into the net, tying the score at one.

Rae scored again in the second period to give MIT a 2-1 lead going into the third. Bryant tied the score minutes later.

Donaldson broke the tie with six minutes remaining, off a terrific pass from defenseman Jim Goodman G.

MIT has double-overtime win

The Johnson and Wales Griffins are the top-ranked team from the region and will represent New England in the ACHA Playoffs. They also boast the number one scorer in the league, wing Mark Deveau.

The Engineers took an early lead. Just three minutes into the game, MIT wing Jonathan Bennett '98 found the five hole with a slap shot from the right side. The Griffins came right back, scoring two goals to take the lead, 2-1, with 6:14 left in the period.

Just 14 seconds later, MIT

defenseman Schlueter found wing Rae in the open, who scored the first of his four goals. Only 13 seconds after Rae's goal, Engineer center Tetsu Inada '97 put a slap shot in the upper left corner to give MIT a 3-2 lead.

Two minutes later, the Griffins tied the score with a well-placed wrist shot. The back and forth continued with another Rae goal just 30 seconds later. Rae shot over a Griffin defenseman who was sliding skate-first towards him and placed the puck in the upper right corner.

The Engineers held the 4-3 lead until five minutes into the second period, when the Griffins scored again. The score remained tied at four until MIT center Donaldson scored with one minute left in the period.

MIT increased their lead to 6-4 with another Rae goal a minute into the third period. But the Griffins began to rally. Head Coach Lou Izzi started to play only two lines, improving the quality of the Griffin play and making the Engineers' third line vulnerable to attack.

This strategy proved effective. Midway through the third period, the Griffins scored a power play goal, heart-breakingly with only three seconds left on the penalty.

Four minutes later, the Griffins tied the score, with a shot to the far side getting over a diving Rae, and slipping past goalie Zehren.

The score remained tied at six in spite of multiple scoring chances for both sides. Then, with less than 30 seconds left in regulation play, Deveau had a breakaway.

Alone against Zehren, Deveau chose to go glove side. Zehren snatched the puck from the air and showed the referee, the fans, and Deveau that the puck was in his possession and that MIT was still alive.

As play went into sudden-death overtime, the tension in the arena was palpable. The diving bodies, hard hits, and fast skating showed that both teams were giving their all. Neither team was able to score in the five-minute overtime period, so the game went into double overtime.

As the second overtime period began, the shouts of the fans had reached a fever pitch. Rae already had a hat trick, and the team knew he had a hot hand this night.

Rae had the puck in front of the net. He shot the puck, it bounced off a defenseman's skate, hit the goalie in the chest, rolled over his shoulder, and crossed the goal line. MIT won, 7-6.

UPCOMING HOME EVENTS

Thursday, March 13

Men's Tennis vs. Boston College, 3 p.m.

Intercollegiate Volleyball Club Wins Two to Keep Perfect Record

By Rad Roberts

TEAM MEMBER

The intercollegiate volleyball club extended its perfect record to 7-0 by defeating Eastern Nazarene College and Boston University last week.

Tuesday's match against ENC was relatively uneventful. The IVC easily rolled to victory in the first two games, 15-2, 15-2. Flawless hitting from Parry Husbands G and six diving digs from Brian Rexing G fueled the IVC fire. In the third game, the IVC second string barely eked out a 17-16 win to seal the match, 3-0.

Thursday night IVC squared off against division rival BU to vie for the New England Collegiate Volleyball League eastern division title. Both teams were undefeated coming into the match.

IVC came out very strong, jumping ahead 11-1 in the first game with tough serving and blocking. Tom Klemas G intimidated BU with middle blocks and hits, allowing Mitch Price G to score on many single blocks. IVC held off a weak BU rally to win the first game, 15-6.

BU stepped up in the second game, but IVC answered with increased intensity as well. Rad Roberts G scored key hits to end a few long rallies and made diving saves on defense with a zest that lifted his team. Husbands, Klemas, and Price all scored effectively behind deft setting by Koji Asari G.

In the face of this power and a few controversial referee calls, BU lost its poise. IVC easily won the second game, 15-7. However, in the third game BU capitalized on less aggressive play by IVC, rebounding to win 15-12.

IVC came alive again in the fourth game. BU simply could not score against the solid IVC defense. Husbands logged several outstanding digs, and Gene van Buren G, Roberto Leon G, Roberts, Asari, and Klemas hustled to save many broken plays.

Hitters Price, Husbands, Klemas, Roberts, John Modzelewski '98, and Steve Seele G pounded away at the BU defense, and IVC scored a decisive 15-4 win to clinch the match, 3-1.

Against BU, IVC played with

great intensity and camaraderie. The IVC bench helped keep the spirits of their team high throughout the match.

The aging IVC graduate students showed their poise and maturity, by completing the match with almost no errors. Husbands and Price registered blistering hitting percentages of .517 and .608 to lead the IVC offense. In addition, newer players Jim Fleming G and Modzelewski both had a few thunderous kills in the middle.

Veteran setter Asari guided the IVC offense with his usual fire. Strong serving and blocking by Asari, Roberts, Husbands, and Klemas kept BU off balance for most of the match.

If IVC can maintain the level of play it reached in the BU match, the team should have an excellent chance of winning the 1997 NECVL championships in April.

IVC will scrimmage against arch rival the University of New Hampshire today. The final IVC home division match is against Boston College on Monday, March 17 at 7:30 p.m. in the DuPont Gymnasium.

Men's Gymnastics Defeats Vermont In Championships to Take 3rd Place

By Raymond Szeto

TEAM MEMBER

The men's gymnastics team won third place at the New England Gymnastics Championships held at Springfield College on Saturday, March 1.

The Engineers started the day in fourth place behind the University of Massachusetts at Amherst, Springfield College, and the University of Vermont. By the end of the third of six events, the Engineers jumped in front of UVM to capture an elusive third place with only 87.85 points, barely ahead of UVM's 87.00.

The last three remaining events

were a struggle for the Engineers to hold on their lead. On the fourth event, UVM challenged MIT and finishes with a one-point advantage to bring UVM to a 0.10 point lead over MIT, 120.70-120.60. With only two events left to compete, the third-place trophy was still within reach of both teams.

The Engineers, not willing to give up a beautiful victory in such a close race, pulled together and gave outstanding performances in the final events. The Engineers were able to secure their victory with an outstanding 32.650 on the parallel bars, off the all-time team record is 32.750. The team scored a new team-record

of 30.300 on the high bars, bringing MIT's final total to 183.650.

Individual team members also won several distinctions. John Olsson '00 won fifth place on the high bar (8.35) and sixth on the parallel bars (8.75). Co-captain Andy Lobban '97 won sixth on the high bar (8.25) and seventh on the still rings (8.15).

The gymnastics season ended with this last competition. The Engineers were selected to compete in the U.S.A. Nationals and the Eastern Collegiate Athletic Championships but are unable to attend this year because of financial reasons.



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