

Men's Hockey Wins Conference Championship

MIT's
Oldest and Largest
Newspaper



The Weather

Today: Overcast, 47°F (8°C)
Tonight: Clouding up, 32°F (0°C)
Tomorrow: Rainy, windy, 20°F (-7°C)
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Volume 119, Number 9

Cambridge, Massachusetts 02139

Tuesday, March 2, 1999

Raytheon President Speaks of Innovation

By Steve Hoberman
STAFF REPORTER

Daniel Burnham, the president and CEO of Raytheon Company, spoke yesterday at the Industry Leaders in Technology and Management Lecture Series.

Burnham's talk, entitled "Achieving Prosperity through Technology, Growth, Productivity and Culture Change," focused on the importance of creating a productive and innovative corporate culture.

"I came here today to talk to technologists about culture," said Burnham. He explained that the culture of an organization is crucial to its success. "Business culture is not an oxymoron," he said. "Business reflects the deepest biological and cultural impulses of life."

Culture is especially important at a giant like Raytheon, where many employees have worked for other companies. "Cultural component is vitally important, especially when building teams of people from different organizations."

Burnham also emphasized the importance of open mindedness. "The first rule is to focus on the cus-

tomers," he said. Burnham admitted that this advice seems obvious, but warned that "You can very quickly get delinked from the external world" after working for years within a corporation. "Lead the technology, not the other way around," he said.

Raytheon linked to MIT

Burnham mentioned Raytheon's "strong historicities" to the Institute. The late Vannevar Bush '16 was one of Raytheon's founders, and it was Raytheon that built and sold MIT's radar innovations to the British and American governments. "Let me officially thank MIT for that," said Burnham.

Burnham also emphasized his company's reliance on new blood.

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EECS Head Discusses Department's Future

By Rima Arnaout
ASSOCIATE NEWS EDITOR

After five weeks as Head of the Department of Electrical Engineering and Computer Science,



Anna K. Benefiel '00 hosts a game show designed to make contestants Joe Cirello '01 and Bernard Levin '00 during the Chorallaries Concert in Bad Taste midnight Saturday in 10-250.

Professor John V. Guttag outlined several changes he plans to make to integrate the EECS department and build relationships with industries while increasing focus on computer science.

Guttag is working to hire five to seven new faculty members within the year. Guttag said that all the new faculty will hold at least associate professor positions at MIT and that some in more senior positions.

Filling the new positions will give Guttag the opportunity to shift focus onto computer science and shape the future of the EECS department. "A very important question is, 'what should the department do twenty years from now?'" Guttag said.

"The department needs to be

rebalanced a bit" in the favor of computer science, Guttag said. "There's an imbalance between the interests of the faculty and the interests of the students," and that's "a message that will impact our hiring."

"The easiest thing to do would be to hire faculty a lot like our current faculty members" in technical interests and education, he said. Instead, the department foresees hiring slightly more computer science faculty than electrical engineering science faculty, but this is due partly to a faster turnaround of MIT's computer science faculty. "Many more of the younger computer science people have left [MIT] for industry," Guttag said.

Through the hiring process,

Guttag hopes to broaden EECS interests and connections by hiring faculty whose backgrounds and research interests transcend the traditional boundaries between computer science and electrical engineering. "These distinctions [between electrical engineering and computer science] are going to be very blurry," Guttag said.

Guttag noted that last year, for example, the department "hired a medical doctor... because applications in health care will become increasingly important" in the fields of electrical engineering and computer science.

Officially, Guttag makes the hiring decisions, but unofficially, he

Guttag, Page 11

MIT Chess Team Finishes Third At National Meet, Porter Named MVP

By Kevin R. Lang
ASSOCIATE NEWS EDITOR

The MIT Chess Team defeated over two hundred teams to finish first among college teams and third overall at the recent U.S. Amateur Team Championship East.

Team member and U.S. Chess Federation Master Ryan W. Porter '01 was named Most Valuable Player for winning five matches and forcing a draw in his sixth. Second board John A. Vioria '00, also a USCF Master, went undefeated and clinched MIT's victory with a win in the final round.

"I'm surprised that we tied for third overall because USATCE's field big name players," Vioria said. He noted that Federation

Internationale des Echecs [FIDE] World Champion Anatoly Karpov competed in last year's tournament. "Our team was deep on paper but we were all pretty rusty, so I'm happy we pulled it off," Vioria said.

Five students competed in the tournament, which was held over Presidents' Day weekend in Parsippany, New Jersey. Team Captain Geoffrey M. Gelman '99, Anthony R. Chatelain G, Soulaymane Kachani G, Vioria and Porter competed against players ranging from children to international grandmasters.

MIT places first among colleges

The MIT players defeated three

teams from Harvard University, four from Boston University, and a team from Princeton University. Overall, 233 teams competed.

"This is probably the last year that Chatelain and myself will be here. So it was great to end our MIT careers this way," Gelman said. "I believe that the rest of the team will continue to return to this tournament on an annual basis." This was MIT's second year competing in the tournament.

Despite the stiff competition and repeated six-hour matches, team members said they enjoyed the tournament. "The tournament was a lot of fun, perhaps one of the most fun

Chess, Page 17



AGNES BORSZEKI—THE TECH

Dancer Aniruddha Knight performs in the Bala Ensemble concert Saturday evening in Little Kresge Theater. The show was sponsored by MITHAS and the New England Hindu Temple.

Seven out of a total of 52 candidates running for UA office attend yesterday's "Meet the Candidates" Study Break.

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The Tech takes a look at the history of MIT's Brass Rat since its creation in 1930.

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WORLD & NATION

Nigerian President-Elect Vows to Work for Democracy

LOS ANGELES TIMES

ABUJA, NIGERIA

Despite reports of election fraud, Nigeria's newly elected president proclaimed Monday that he will build democracy after years of disastrous military rule.

Olusegun Obasanjo, a 61-year-old retired general, was officially declared the winner of Saturday's balloting. The Independent National Electoral Commission said he captured 63 percent of the vote to defeat rival Olu Falae and become Nigeria's first civilian president in 15 years.

Obasanjo ran Nigeria from 1976 to 1979 before voluntarily handing over power to civilian rule.

Surrounded by well-wishers in a hotel room in Abuja, the capital, Obasanjo pledged to nurture democracy.

"Election is not the end of democracy," Obasanjo said. "Election is just one important event in the process, and democracy under my own leadership will continue."

Reform Candidates Winning Big in Iran

THE WASHINGTON POST

TEHRAN, IRAN

Reformers allied with moderate President Mohammed Khatemi have won a convincing victory in Iranian municipal elections, according to preliminary results made public Monday. Analysts say the outcome should strengthen the country's budding movement toward democracy and assist the president's struggle against conservative clerics.

Newspapers here reported that with 20 million of an estimated 25 million votes counted from Friday's balloting, Khatemi's supporters appear to have won most council seats in cities and villages throughout the country. In Tehran, an important barometer because of its size and political clout, allies of the president were expected to win as many as 12 of 15 local seats.

One apparent winner in the city was Abdollah Nouri, a liberal cleric who was stripped of a Cabinet position last year in a battle with conservatives. Others headed for election included two presidential advisers, the sister of a newspaper editor who was jailed last year by conservative press critics and Mohammed Ibrahim Zawday, a leader of the Iranian students who occupied the U.S. Embassy in 1979 but who is now allied with Iran's reform movement.

Senate Majority Leader Criticizes International Olympic Committee

THE WASHINGTON POST

NEW YORK

Former Senate Majority Leader George Mitchell Monday criticized the International Olympic Committee for a lack of openness and ethical control and accused the organization of tolerating a culture of gift-giving that is "potentially illegal and inevitably corrupt" in the third major report on the Salt Lake City Olympic scandal.

Urging reform at all levels of the Olympic movement, a five-member ethics panel led by Mitchell and appointed by the U.S. Olympic Committee recommended sweeping changes to IOC operations and governance and took aim at what it called a "flourishing" culture of impropriety.

"The credibility of the Olympic movement has been gravely damaged and reform must occur," Mitchell said.

The release of the Mitchell report issued under the auspices of the world's most influential national Olympic committee comes at a crucial juncture for the embattled IOC, which has suspended five members and accepted the resignations of four more tied to the scandal.

U.S. Aircraft Bomb Iraq In Largest Strike of Campaign

By Dana Priest

THE WASHINGTON POST

WASHINGTON

U.S. warplanes dropped more than 30 laser-guided bombs Monday on military targets in northern Iraq, the largest one-day strike in what has become a low-grade air war designed to destroy Iraq's air defense system while attracting as little attention as possible from Washington's Arab allies.

Since President Clinton gave pilots more flexibility to attack Iraq's air defense system at the end of January, allied planes enforcing U.S.-imposed no-fly zones in the north and south of Iraq have substantially increased the number of bombs they have dropped and have added to the target list, according to U.S. administration and Pentagon officials.

"Absolutely this is an escalation," said one government official who has been briefed on the operation.

Pentagon officials, who have declined repeatedly to give anything but the sketchiest details about the almost daily attacks, have said the pilots are only responding to Iraqi attempts to shoot down the U.S. and British planes that patrol the no-fly

zone. The zone covers 60 percent of the country and is not recognized by Iraq.

"We responded to attacks upon our aircraft by targeting those facilities that allowed the Iraqi forces to place our pilots in jeopardy," Defense Secretary William Cohen said Monday when asked about an air attack over the weekend that Iraq says interrupted the flow of oil through its main oil pipeline.

But senior officials acknowledge that at times the artillery fire or radar used to target planes from the ground is so far from allied pilots that it is not even detected by them, but only by satellites and other high-flying aircraft employed by the United States to monitor Iraq.

Another official said the United States has a list of air defense system targets, and suggested that allied aircraft are flying in the vicinity of the particular missile launchers, radar trucks and communications relay links that they would like to destroy. After Iraqi forces fire anti-aircraft artillery or turn on radar to target a particular aircraft, allied planes launch a strike against the target.

The United States has pursued a this low-grade aerial bombardment since the Desert Fox offensive

against Iraq ended in December because it is the only military course of action that a war-weary Congress and the Gulf Arab countries will agree to, senior officials say. "An attack against Iraq's air defense system is what sustains the coalition," said one senior administration official. "These aircraft are based in countries that would be broadly sensitive" to a larger, more public war against Iraq.

On Jan. 26, U.S. officials announced that U.S. warplanes no longer had to limit their attacks to the missile and artillery batteries that are targeting them or to the particular Iraqi aircraft that were darting in and out of the no-fly zone. "Our response need not simply be against the particular source of the violation," explained Sandy Berger, the president's national security adviser. "But our response as appropriate will be against any of the air defense system that we think makes us vulnerable."

Since then, the lopsided war has escalated considerably. Of the 86 laser-guided bombs that U.S. warplanes have dropped in northern Iraq since the end of Desert Fox, 66 were dropped since Jan. 30, according to defense briefing documents

Microsoft, Justice Department Near Possible Settlement Deal

By Jube Shiver Jr.

LOS ANGELES TIMES

WASHINGTON

As the government's antitrust trial against Microsoft Corp. enters a lengthy recess after 64 days of testimony, experts say the software giant's near-disastrous defense has made the prospect of a settlement increasingly likely.

The government and Microsoft publicly reject any notion that they are interested in negotiating. But both sides — while vowing to appeal any decision against them all the way to the U.S. Supreme Court — are under pressure to talk as they confront a crucial month-and-a-half recess during which they will assess their options and prepare for the trial's end game.

Legal experts and officials close

to the government and Microsoft say it is in the both parties' interests to negotiate. It seems increasingly likely, these experts say, that U.S. District Judge Thomas Penfield Jackson will uphold at least some of the government's antitrust charges — a move that could make the software giant more vulnerable to costly private antitrust lawsuits that could drag on for years.

"This case started because the government wanted more than Microsoft wanted to give ... but Microsoft may be more willing to talk" now given their poor trial performance, said Harry First, an antitrust professor at New York University Law School.

Even ardent Microsoft supporters — such as University of Virginia economist David E. Mills

— say the company has suffered "embarrassing events" in court that could push it to the negotiating table. "It's always possible that somebody will come up with an exit strategy that will be agreeable," Mills said, adding such an outcome would be preferable to a ruling that places Draconian regulatory restrictions on Microsoft.

"I think there's going to be some kind of compromise because right now the cards look stacked against Microsoft," said Jonathan Haller, a technology industry expert for Current Analyst, a Sterling, Va., financial consulting company. "They are going to have to pay a fine or give competitors access to their code and back off on their aggressive industry practices" in order to placate the government.

WEATHER

Weather Marches On

Greg Lawson

STAFF METEOROLOGIST

There is a strong upper level cut-off low above the surface low to our northwest. The surface low has already occluded, is producing measurable precipitation, and is moving northeastward. The upper level cyclone's winds are strong enough to be felt here at the surface, and they are blowing favorably to have brought some of the drier air to our southwest up into the system. This has in effect protected us from rain this morning, whereas only a hundred miles or so to our north, west, and east they are receiving rain. Some of the cloudiness will diminish as the day progresses.

We cannot expect to be so lucky this whole week however. After a brief period of relatively clear skies due to the huge high pressure center to our southeast just off the east coast, a fast approaching short wave from the mid-west will clobber us with some precipitation Wednesday evening on into early Thursday afternoon. It may be cold enough when the precip begins to see some snow, but it will certainly trail off into rain. The short wave shows the potential to really deepen as it crosses the US. This could mean we will receive fairly heavy rain and gusty winds. After its passage, the clouds will clear up slowly and we will be left with a pleasant period beneath high pressure.

Tuesday: Overcast then clearing. Moderate westerly winds. High 47°F (8°C).

Tuesday Night: Clear then clouding up. Winds shift to southerly. Low 32°F (0°C).

Wednesday: Steadily increasing clouds during day. Winds pick up and shift to southwesterly. Precipitation beginning in the evening. Perhaps snow at first but definitely ending in rain, heavy at times. High 50°F (10°C). Low 38°F (3°C).

Thursday: Rain tailing off late morning/early afternoon. Clouds slowly dissipate. High in the mid 40's (6 to 8°C).

Friday Outlook: Partly cloudy. High in the mid 40s (6 to 8°C).

Situation for Noon Eastern Standard Time, Tuesday, March 2, 1999



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	--- Trough	Showers *	☁ Fog
L Low Pressure	— Warm Front	Light * ▽	⚡ Thunderstorm
S Hurricane	▲ Cold Front	Moderate ** ▽	☁ Haze
	— Occluded Front	Heavy *** ▽	
		Snow * ▽	
		Rain * ▽	

Compiled by MIT Meteorology Staff and The Tech

Albright Gets Chilly Welcome From Chinese As Talks Start

By Bob Drogin
LOS ANGELES TIMES

BEIJING
Chinese Foreign Minister Tang Jiaxuan never stopped smiling, but when he and visiting U.S. Secretary of State Madeleine Albright met with reporters Monday, part of his opening statement was downright chilly.

"A handful of anti-China elements within the United States are going all out to interfere with and obstruct the normal development of China-U.S. relations," Tang said. Their actions, he added, "are doomed to failure."

Tang did not elaborate. Albright, after glancing warily at her aides clustered along the wall, did not immediately respond. But the message was clear at the opening round of Albright's two days of meetings with China's top leaders: After two successful summits between President Clinton and Chinese

President Jiang Zemin in 1997 and 1998, the honeymoon is over.

Last week alone, the Clinton administration rejected the proposed sale by a U.S. company of a \$450 million satellite communications system to China, delivered a report to Congress warning that a "substantial" buildup of Chinese missiles was under way near Taiwan, and issued a scathing State Department report on China's mounting human rights abuses.

China, in turn, gave no sign of easing the political crackdown it launched last December with a dramatic series of arrests, show trials and prison sentences. On Friday, as Albright was en route here, China detained dissident Wu Yilong and sentenced pro-democracy advocate Peng Ming to 18 months in a labor camp.

In response to questions, Albright expressed "great concern"

about the crackdown. But she said Washington was not considering reversing course and linking China's progress on human rights with trade policy because "we actually make better progress in both when they are not linked."

James P. Rubin, the State Department spokesman, said Albright gave a far more spirited critique of China's human rights policies during her meeting with Tang, and subsequent 70-minute discussion with Chinese Premier Zhu Rongji. She will meet President Jiang Tuesday.

"On human rights, the discussions were forceful, tough and there wasn't a lot of agreement," Rubin said. He said Albright denied "some hidden conspiracy in the United States" against China, but added that "most Americans" were concerned about Chinese policies on human rights and missile proliferation.

Israel Finds its Options Limited In Southern Lebanon Clashes

By Tracy Wilkinson
LOS ANGELES TIMES

JERUSALEM
With elections ahead of them and a graveyard of failed Lebanon policies behind them, senior Israeli officials must tread carefully as they strike back at Hezbollah guerrillas waging a war of attrition against the Jewish state.

Military and political constraints are so far dictating a cautious response to an upsurge in Hezbollah ambushes that killed seven Israelis in less than a week, including the Israeli army's highest-ranking commander in southern Lebanon.

Prime Minister Benjamin Netanyahu and his senior Cabinet ministers and military aides announced on Sunday night a "land, sea and air" campaign to deliver harsh retaliation to the Syrian-

backed Islamic forces. The retaliation, while fierce and swift, has also been limited in scope.

The problem facing Netanyahu is twofold, and has left the government without clear options.

Israel's occupation of a nine-mile strip of southern Lebanon is supposed to protect civilians in adjacent northern Israel from Hezbollah attacks. But for more than 20 years, no government has been able to extricate itself from southern Lebanon. And with a close election for prime minister and parliament scheduled for May 17, the time does not seem ripe for courageous — and politically risky — initiatives.

Netanyahu often acts in a way that is not wholly predictable. But a range of analysts and officials said Monday that it was unlikely he would launch an all-out military

offensive as he fights for re-election, in part because of chances such an action would backfire.

Former Prime Minister Shimon Peres of the Labor Party opened the so-called Grapes of Wrath campaign in southern Lebanon just weeks before the 1996 election. Fighting ended in the calamitous shelling of a refugee camp, killing scores of Lebanese civilians. And Peres narrowly lost the election after Israeli Arabs and some traditional leftist supporters abandoned him in disgust.

Lebanon was a sticky trap that sucked Peres in. Netanyahu undoubtedly keeps that experience in mind. Although his political constituency is far more hawkish than Peres' and would not reject a show of military might per se, a high body count would be equally unsettling for Netanyahu voters.

Opposition Parties May Unite in Mexican Presidential Race

LOS ANGELES TIMES

MEXICO CITY

Struggling to end the ruling party's unbroken 70-year grip on presidential power, Mexico's two main opposition parties plunged into debate Monday on a surprise proposal to choose a single candidate for next year's election.

The idea came this past weekend from Mexico City Mayor Cuauhtemoc Cardenas, the likely nominee of the left-wing Democratic Revolution Party, or PRD. Cardenas called on all opposition parties to organize a winner-take-all primary for a candidate to challenge the ruling Institutional Revolutionary Party, or PRI.

Cardenas tacitly recognized the possibility that his party and the right-wing National Action Party, or PAN, would split the opposition vote once again, allowing the ruling party to win yet another six-year presidential term. The PRI has won several governor's races in such circumstances over the past year.

Vicente Fox, the charismatic governor of Guanajuato state and probable PAN presidential candidate, said he was "more than willing" to enter serious discussions on the proposal. The two main opposition parties would have to put aside sharp policy differences. Several smaller parties also could join the alliance.

Breast Cancer Gene May Play Role in Prostate Cancer

LOS ANGELES TIMES

Researchers have discovered that a gene long associated with breast cancer also plays a role in advanced prostate cancer, the second-leading cause of cancer deaths in men.

Although the results, published in this month's edition of Nature Medicine, are based on animal studies, the findings could be good news for men with prostate cancer that has recurred and no longer responds to standard drug therapy.

It could also mean good news for Genentech, the San Francisco biotechnology company that produces Herceptin, a drug that won federal approval last year for use in 25 percent to 30 percent of advanced breast cancer patients — those whose tumors over-express a gene called HER2/neu.

University of California, Los Angeles, researchers, headed by Dr. Charles L. Sawyers, showed that the same gene, present in all normal tissue, is overexpressed in at least some advanced prostate tumors.

Based on that finding, Sawyers hopes that Herceptin may prove helpful for at least some men in the worst stages of the disease. "I think there is enough reason to plan clinical trials of Herceptin" in prostate cancer, Sawyers said. "I predict it will not work in everyone, only those that over-express the gene."

Genentech is considering such trials. "We are definitely looking at other indications for Herceptin, including prostate cancer," said spokesman Neal Cohen.

Last year, an estimated 184,500 men were diagnosed with prostate cancer, according to the American Cancer Society; the disease claimed 39,200 lives, surpassed only by lung cancer in men's cancer deaths.

Treatment typically involves removal of the prostate gland or bombarding it with radiation.



The MIT Graduate Student Council

office: Walker Memorial, 50-220 (above the Muddy)
phone: 253-2195
website: www.mit.edu/activities/gsc
email: gsc-request@mit.edu

arc

gcm

march

Professional Development Seminar Series
Wednesdays 3:30-5:00 PM
Hulsizer Room, Ashdown

- 3/3** Oral Presentations
Lori Breslow
- 3/10** Written Communication
Steve Strang
- 3/17** Conflict Resolution and Negotiation
Kate Baty

Call for Nominations

Details for the Teaching Awards, Perkins Awards for Graduate Advising, the Sizer Award for contributions to MIT education and the Horton Award for student groups will be available next week on the GSC website and will be mass-mailed to graduate students. Nominations for these awards will be accepted until March 19, 1999.

Jazz Wednesday Nights
@ the Muddy Charles Pub!
Walker Memorial
(50-120)



Officer Nominations for 1999-2000 will begin at the General Council Meeting tomorrow, March 3

and will remain open until Tues., March 30. Elections will be held on Wed., April 7. For more information, see www.mit.edu/activities/gsc/About/Roles/roles/html

activities

Muddy Social



Thursday March 4 @ 5PM
Free Pizza & low priced beverages!
Proper ID required.

- 2** academics research and careers (arc) meeting *
- 3** professional development series 3:30-5:00, Hulsizer Room, Ashdown
general council meeting*
officer nominations begin
- 4** muddy social! free pizza! 5PM-7PM @ the muddy charles pub (50-120)
- 8** activities meeting at the muddy *
- 9** publications and publicity meeting *
- 10** professional development series 3:30-5:00, Hulsizer Room, Ashdown
- 11** housing and community affairs meeting *
alcohol policy reform meeting
- 15** funding appeals due

* @ 5:30 in 50-220 (above the muddy)
All graduate students are welcome. Food is provided.

OPINION

McGann/Nemzer for UAP/VP

Undergraduate elections represent the best chance for the majority of undergraduates on campus to influence student government. This year, *The Tech* endorses Matthew L. McGann '00 and Lex Nemzer '00 for the respective positions of

Editorial

Undergraduate Association President and Vice President. This year's contest represents a battle between two visions of the UA. The Kartik M. Mani '00/Rita H. Lin '00 ticket emphasizes a vague idea of fostering campus community through increased social opportunities and programming, while the McGann/Nemzer ticket relies on the abilities of the two candidates to act as advocates for students to the administration. This year demands an activist UA to represent and guide students through the dramatic changes that have occurred over the past year and a half.

We believe that the McGann/Nemzer ticket will represent a more activist voice on campus while at the same time working with administrators to effect real change. McGann has served on multiple committees and knows the ins and outs of the administrative process; Nemzer was a significant force behind the orange ribbon campaign.

While the orange ribbon campaign didn't make effective change on campus, it was activism, and some activism is better than no activism at all. The Mani/Lin ticket seems indecisive

and lost on the central issues of alcohol policy and undergraduate housing. Mani and Lin seem satisfied to succumb to the ways of the administration rather than to question its decisions.

McGann and Nemzer also seem better prepared to handle another important issue: student funding. McGann's position as treasurer of Association of Student Activities gives him and inside view of how funding works within the UA, and we believe he can better create a more equitable funding distribution to student groups than the Mani/Lin ticket.

To the credit of Mani and Lin, they have been involved extensively in encouraging social activity on campus — through, for instance, Spring Weekend, — and both have experience procuring funds from the Institute for these activities, but we believe that promoting social activity is not the real responsibility of the Undergraduate Association. *The Tech* agrees with the McGann/Nemzer ticket that the UA should distribute money to groups in order to foster group social activities rather than taking money to spend on a single event.

The choice of candidates this year is a choice between a social UA and a student advocacy UA. *The Tech* believes that this particular year, student advocacy, representation in key issues transforming the Institute, takes precedence to fun. We believe that McGann/Nemzer ticket will best change the UA into such a student advocacy group.

Letters To The Editor

In Defense Of Capital Punishment

I must respond to Michael J. Ring's column of Feb. 23, "Barbarism Made Legal." Therein Ring suggests the death penalty is a "vestige of barbarism" long abandoned by "civilized nations." Indeed, in its origin, the Hammurabi mentality described by Ring once implemented methods now viewed as fairly draconian. I submit, however, that the Code of Hammurabi was not an attempt to incite barbarism but rather to civilize a more barbaric people.

Today we have parted with the large measure of such law. We do not burglarize the house of a thief. We do not rape a rapist. Instead we've seen fit to apply what the justice system considers to be the fit degree of punishment warranted by the crime, while not exacting the same act on the criminal. Many of us will maintain, though, that for certain

transgressions, specifically murder, there exists no such range of punishments from which to choose.

Ring will enter here and argue that death-for-death violates an inalienable right of the accused and convicted. Instead, he suggests, lobby for life-without-parole legislation. I must assume Ring thought briefly of the Declaration of Independence in stating his inalienable-rights argument. In that same spirit, I suggest that said document was also correct in citing liberty as such a right. Yet Mr. Ring would support the infringement of this most fundamental right and incarcerate a criminal for life. Here I must side with Patrick Henry: "Is life so dear... as to be purchased at the price of chains and slavery? Forbid it, Almighty God! ...but as for me, give me liberty or give me death."

I subscribe to this call even today and suggest I would do so as a criminal. What is life without liberty? Unacceptable at best. So, car-

rying through with Ring's logic might leave one with a substantial dilemma. The faction of us mentioned before offer an answer: The criminal who so grievously encroaches upon another's basic right to life summarily and completely forfeits his right to the same.

The argument will persist that capital punishment is too costly to maintain. So, spend our lobbying funds to push for appropriate amendments, allowing the courts to order the death penalty in cases of confessed guilt or uncontestable evidence. Fight these lawsuits brought by such offenders claiming their right to cable television has been violated.

It is not the job of society to rehabilitate offenders or endear itself to them. Society's job is to protect the law-abiding by ridding itself of the grossly criminally inclined. Let us punish according to the crime. Let us justly rid ourselves of those who so blatantly infringe on the truly inalienable right of others.

Garrett M. Craddock '00.



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In Praise of Sport Utility Vehicles

And now, a word from Detroit on the latest cultural innovation

Eric J. Plosky

Ignore the alarmist outcry of tree-hugging environmentalists; forget the punditry of knee-jerkers driving Honda Civics; dismiss the overblown rhetoric of Consumer advocates: SUVs — sport-utility vehicles — are great. Transportation's future is not in plastic-bodied minicars or battery-powered golf-carts, nor even in *Star Trek*-style transporters. No, it is the SUV, an eight-thousand-pound behemoth of steel and chrome, that will transport us, nine at a time, safely, comfortably and stylishly into the new millennium and beyond.

Sure, it's often a climb to get into an SUV. Hey, you're climbing to a new level of driving! Once you're inside, visibility is great — you're eye-level with traffic lights (great for the color-blind!). Acceleration is top-notch; almost all SUVs these days are capable of 60 mph. And despite vicious rumors to the contrary calling SUVs "unstoppable," it usually takes less than a quarter-mile to bring one of these rolling Fort Knoxes to a halt.

Handling is impeccable, but of course it doesn't really matter — just run over what you can't avoid! The ride is smooth and luxurious; with enough leather-like vinyl slathered liberally throughout the interior, you can almost forget the very slight trucklike clangor and the gentle bouncing erroneously described as "bone-jarring." There's room for you and up to eight of your friends, with space to spare for luggage, golf clubs, skis, snowshoes, and an entire dog-sled team. Or you can carry a whole baseball team, including the coaching staff, the batboys and the groundskeepers!

SUVs are safe. In accidents between cars and SUVs, it's usually the car that bears the brunt of the damage. For maximum safety, SUVs' bumpers are designed to deflect cars under the wheels in the event of a collision. No need to worry about two SUVs colliding; all modern designs incorporate a safety feature known as the "roll-over." Recent media reports have incorrectly assumed that SUV roll-overs were accidental — not so! The roll-over feature can only be activated during emergency situations, by turning the steering wheel at least 10 degrees; the SUV then pitches over and barrels safely off the road and away from a potentially dodgy situation. For added safety, a roll-over can only be executed while the transmission is in "Drive," "Reverse," or "Park."

SUVs help reduce our dependence on renewable, nonpolluting energy sources. Gasoline is at its lowest inflation-adjusted price ever, so OPEC-trained automotive engineers, who always try to take advantage of bargains, have deliberately designed fuel economy to be between 4 and 7 miles per gal-

lon of (premium) unleaded. Remember that federal regulations require us to disregard fuel-consumption standards that apply to regular cars. One other feature — the standard 47-gallon fuel tank doubles as a self-destruct device, as featured by Stone Phillips and Jane Pauley, on "Dateline NBC." No wonder militaries and governments around the world choose SUVs for secure transport of generals, dignitaries and mucky-mucks.

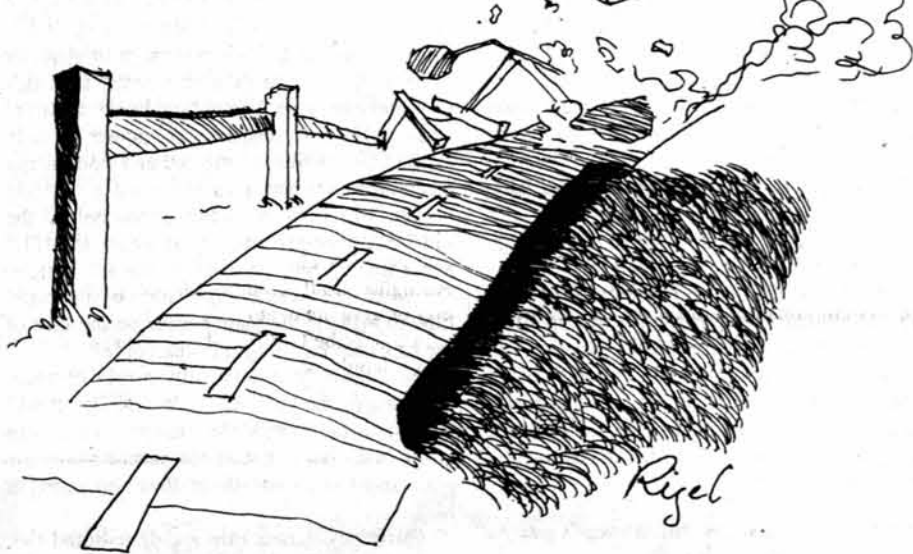
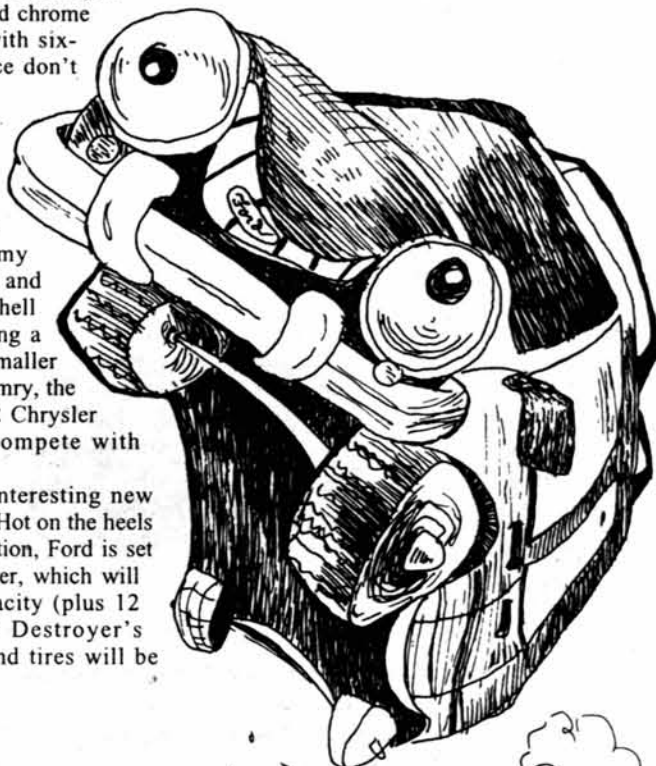
In a style-conscious world, SUVs make a fashion statement. It doesn't matter if you can haul an entire football team unless you can do it with panache, and chrome and brass-plated SUVs with sixteen-inch ground clearance don't disappoint.

Drivers of these tarted-up trucks manage to convey several messages at once — "I'm all business," "I'm cool" (increasingly, "I'm cooler than my schmuck of a neighbor"), and sometimes even "Get the hell out of my way; I'm driving a freaking huge vehicle." Smaller cars such as the Toyota Camry, the Ford Taurus and the 1972 Chrysler Imperial simply can't compete with SUVs on style.

Look for even more interesting new trends in the 2000 models. Hot on the heels of its Explorer and Expedition, Ford is set to introduce the Executioner, which will have a 23-passenger capacity (plus 12 standees). The Lincoln Destroyer's bumpers, door handles and tires will be

ornamented with sterling silver and 22-karat gold. You'll need a stepladder to get into the new Chevy Mammoth, and an elevator to board the Nissan 4RunnerEater. Snuggle into the velvet-and-shag upholstery of the 2000 GMC Bloated, Stupid Monster for three minutes while waiting for it to work its leisurely way to highway speed.

Oh, and keep your wallet open. Gas prices are on the rise, fuel economy is still on its stylish way down and the 2000 Guzzler is heading for your driveway.



The Birthday Blues

Guest Column
Jeff Roberts

While I write this, it is February 28, 1999. Yesterday our nation's First Daughter, Chelsea Clinton, celebrated her 19th birthday. So did I. Okay, I don't know if "celebrate" is the proper term in my case. Chelsea and her family went on a ski vacation to Utah, shacking in the house of affluent Hollywood executive Jeffrey Katzenberg. I stayed at MIT's own Baker House, drinking Moxie and eating rapidly melting ice cream cake. The only trip I took was a journey on the Blue Line to look at some desolate marshlands near Suffolk Downs, just to feel like I was taking some sort of vacation of my own. Of course, I had to think smaller in scale. She's staying there all weekend until Tuesday. I have problem sets to do, and classes on Monday. So a few hours of celebration is all I get.

This Chelsea thing has been getting on my nerves for the past six years. It reached its climax last year when we turned eighteen. I was sitting on my couch watching the NBC Nightly News after another thrilling day at school, and right at the end came the

The only trip I took was a journey on the Blue Line to look at some desolate marshlands near Suffolk Downs, just to feel like I was taking some sort of vacation of my own.

hard-hitting news that Chelsea decided to skip school to spend the day in New York City to party all night at some swanky night club. I guess one thing that bugged me was that she was in college and I was still in high school. Her birthday was announced on national news, and my moment of fame was when the morning announcements ended "and if you see Jeff Roberts today, make sure you wish him a happy birthday." I still think it would have been great if NBC reported "Chelsea took the opportunity of her adulthood to purchase cigars and pornographic videos" which, in the minimetropolis of Pittsfield, was the only thrill in becoming an adult.

How important are birthdays, anyway? I guess it depends on how important you are. I mean, for months leading up to Jesus Christ's birthday, everyone goes nuts! Okay, maybe that's a bad example. Let's think of something a little closer to home. People used to think that President Washington and President Lincoln were both so important that on their birthdays everyone should get a day off from work. Later people decided that we should just get one day off to celebrate both of their birthdays (which also both just happened to be in the month of February). Did their individual importances just get cut in half? And it gets worse; now we celebrate the birthdays of all of our Presidents on that same day. So I have to celebrate Bill Clinton's birthday in addition to Chelsea's. Both in the same month, too.

This brings up another interesting point. How important can birthdays really be if so many people share them? It's likely that at least one person reading this has the same birthday as Chelsea and I, so why is our birthday so special if that guy (or gal) has it too?

I guess I'm implying that something which is shared can't be special to any one particular person. That, of course, isn't true. Love is the best example. I guess sharing isn't so bad, anyway. I mean, when my friends and family wish me a happy birthday, they don't list Chelsea and all the other people born that day as well. Just me. It lets me know that people care. And if Chelsea gets to go out and have all the fun that she can, when you get right down to it, she can't get any more out of it than a feeling that people care. So her birthday really isn't any better than mine. Well, there is the skiing, of course. I wish I were skiing. I'll be bitter at her about that. But I'm allowed to be bitter on my birthday.

Sorry, Chelsea. Nothing personal.

Building Trust and Confidence

Michael J. Ring

In groundbreaking local elections held Friday, the people of Iran went to the polls to elect over 200,000 local officials in cities and towns across the nation. Early returns as of Saturday night showed moderate allies of President Mohammed Khatami were leading in several key cities. Such a victory would be important for the president, whose reform attempts have been stymied by conservative influences in other branches of government. A victory for the reformers at the local levels would also give them needed momentum going into next year's parliamentary elections, where Khatami and his supporters hope to reverse the current majority held by Islamic hard-liners. Such a result would help thaw the icy relations between Washington and Tehran.

Of course, events in Iran mark only half the battle. An equally important question is how our policy wonks in Foggy Bottom will respond to these latest developments. Probably they will express guarded optimism on these latest developments, and nothing more. Unfortunately such a response, to which the United States has resorted after every outreach by Iran, could only stifle any hope of extended dialogue and détente between the United States and Iran.

The next move in American-Iranian relations rests on this side of the Atlantic, and it is timely for the United States to seek a formal

dialogue with the government of Iran. After a 1998 interview with CNN during which President Khatami praised the United States for its freedom and tolerance, hopes were high for an amelioration of relations between his nation and ours.

Indeed, some limited exchanges of journalists and athletes have taken place, and have been very successful. But beyond that, little has come of Khatami's invitation for a greater dialogue. There are no official diplomatic relations between the United States and Iran. No U.S. embassy or consulate can be found in that nation. Trade embargoes severely restrict U.S. exports to a potentially lucrative market and only lend credence to hard-line Iranians, who argue the United States is trying to isolate and crush their nation. Normal trade is banned, and the Clinton administration has responded to an Iranian request for U.S. grain and foodstuffs by twiddling its thumbs and sitting on the request.

The U.S. State Department has not started or followed through on major initiatives with the Islamic Republic. To them, it is as though the nation of Iran does not even exist. And in fact, the United States would rather pretend that Iran did not exist. After all, Iranian revolutionaries proved a major embarrassment to us in 1979, and they did hold American citizens as hostage. But after decades of America imposing the pro-Western Shah on the Iranian people, was the Iranians reaction really that surprising or irrational?

Two decades out, however, the only image of Iran most U.S. foreign policy officials can conjure is that of the 1979 revolution, even as we normalize relations with other formerly hostile nations such as Vietnam. Unfortunately for the State Department, Iran is out there, and it has a rightful role to be a

big player in the Middle East. With 67 million inhabitants and the rich oil and mineral deposits, Iran has both the physical and human resources to be a modern nation with significant regional influence.

Last year, I argued in this space that the United States should normalize relations with Iran ["Changing the U.S. Policy Tune," January 14, 1998]. I then argued it is in the United States' strategic interest to seek greater ties with Iran. I then wrote such actions would cut the mistrust between Washington and Tehran and allow the United States to exert more internal influence in the nation to help Khatami and his reformist allies and seek greater human rights and liberties within the nation.

All those arguments remain true today. But an examination of world events over the past year demonstrates creating positive relations with Iran is now even more important to the United States. Simple geography should indicate why: Iran sits between three of the world's most unstable states: Iraq, Afghanistan, and Pakistan. With Saddam still entrenched in Iraq, the Taliban causing chaos in Afghanistan, and the acquisition of nuclear capability by Pakistan, Southwest Asia continues to be a treacherous corner of the world. Allying ourselves with Iran provides a strong axis to counter these threats to stability.

The typical State Department response to the Iranian elections would be a non-response. Unfortunately, more drastic action is needed to ameliorate relations between the two nations. These opportunities will not last forever, and the United States must act soon to show trust and confidence in Iranian relations before this window closes and relations are frozen anew.



FEATURES

Brass Rat Tradition

Anecdotes and Historic Moments Define the Class Ring

By Jennifer Chung

NEWS EDITOR

Some claim that it is the most recognizable ring in the world, second only to the Super Bowl ring. If not, it can at least claim the title of the most recognizable college ring in the nation. There is, arguably, no ring quite so popular or so distinct as MIT's Brass Rat.

The Brass Rat has a long, rich history dating back to the early 20th century. Before 1927, MIT did not have a class ring. The leaders of the class of 1927, however, decided to begin a tradition, patterning their ring after those used by some military academies. These rings included a semi-precious stone in their ring, and idea of including a stone stuck for the next two years. The engravings on each ring, however, differed significantly between years.

The idea of having a more standardized jeweled ring was first proposed in 1929 when C. Brigham Allen '29, the president of the Class of 1929, appointed the Standard Ring Committee to investigate the idea of producing such a ring. The committee quickly dropped the idea, however, because they believed that such a ring would be prohibitively expensive.

Instead, they proposed a new design that would feature, on the face of the ring, either an engraved image of MIT's mascot—the beaver—or an engraved image of the Great Dome. The Institute Committee, a precursor of the Undergraduate Association, deciding that "many schools had domes somewhat similar to Technology's," and that it would be better to place a unique image on the face of the ring. They suggested that the dome image be moved to the sides of the ring.

Having plotted out the future course of what would come to be known as the Brass Rat, the Class of 1929's Standard Ring Committee set about the task of having one made. Unfortunately, it was too late in the year to produce anything besides a report recommending that the Institute commission a Standard Ring.

The Standard Ring Committee also developed a set of criteria for a standard ring, which it gave to a number of jewelers. The jewelers were then invited to propose ring designs and compete for the final ring contract.

"Three years of class rings [sic] had shown that the students wanted a ring which was not an imitation of the common college ring, one that had no stone, and one that was moderately light in weight," the committee's report

read. The committee decided that the ring should contain a beaver on its face and that "the top of the ring must be square in shape."

The first Brass Rat was sold the following spring to the class 1930. The design was created by Bates and Klinke Co. of Attleboro, Massachusetts. The price of the original 1930 ring, according to an advertisement, was between \$7.50 and \$19.50, varying in price based on the metal being used to cast the ring. By 1940, prices ranged from \$5.00 to \$23.00, with options for several metals and numerous sizes.

Through its early years, the Brass Rat continued to follow a standard design. The only

ed loudly when the Class of 1981 ring Committee proposed that they replace the twigs within the beaver's paws with a tree trunk. The issue was contentious enough that a member of the ring committee resigned over the dispute, claiming that the change had been "railroaded through," according to an article published in *The Tech* that year. The situation was resolved through polling of the sophomore class.

Many students were also angered when members of the class of 1992 suggested that the brass rat would have a reference to Christopher Columbus (the year 1992 coincided with the 500th anniversary of his landing in



Its design pictured here, MIT's first Brass Rat was commissioned in 1930.

change from year to year was the graduation date of the senior class. Class ring committees took responsibility for distributing brass rats, but not for the ring's design.

In 1940, the Senior Ring Committee suggested that the Brass Rat be redesigned. After much discussion and polling, however, the idea was dropped.

It was only in 1963 that the Standard Ring disbanded, according to a story in the August/September 1992 issue of *Technology Review*. Class committees, which took responsibility for the ring, remained faithful to the original standard, making only minor alterations in ring design from year to year. The tradition finally ended in 1975, when "classes started fussing with the beaver, making it bigger, fatter, more beaver-like; the old one was more rat-like," said Alumni Association President Bill Hecht '61.

Brass rat has gnawed at the student body

Some Brass Rat traditions were harder to change than others. In 1978, students protest-

America).

Class ring committees have lately made more dramatic changes to the brass rat, often asserting the individualities of their class or attempting to make their ring better than that of a previous year. The radical brass rat of the class of 1989, for instance, contained not only an owl (to represent the Athena computing environment) but also featured a "buddy beaver...to represent all those who helped the graduate through their four years at MIT," according to one *Technology Review* article. For what what was the first and possibly only time in history, the main beaver on the face of the ring also faced right instead of left.

No matter how drastically a ring committee changes the basic class ring design, it will be impossible to hide the intrinsic symbolism of the brass rat — a icon representing both the pain and the camaraderie that characterize MIT.

Currently, Brass rats are distributed two years after an undergraduate arrives at MIT, signaling the half-way point in the student's

time here. The sophomores in Class of 2001 will premiere their class ring this Saturday.

The popularity of the brass rat is perhaps unparalleled at other universities. In some years, over 90 percent of students in a class have purchased a class ring.

The fame of the MIT class ring — whose colloquial rodent nickname has been used for decades — has led to endless anecdotes, while the ubiquity of the brass rat has given it an instant association with MIT.

Not uncommon are the chance encounters between former MIT students by virtue of the ring's presence; the brass rat acts as a special symbol, the sign of membership in the exclusive club of people who have toiled through four years at MIT. "I've been in the Tokyo subway, and someone recognized my rat, and I recognized his rat," Hecht said. "I literally — two weeks ago — was behind someone in the class of 1933 in the 'supermarket,'" he said. Hecht did not realize that the person was a fellow alumnus before he noticed the telltale creature on the stranger's finger.

Alumni who have returned to speak at MIT have often held their brass rats aloft triumphantly, to the cheering of an attentive crowd. When Astronaut Kenneth D. Cameron '78 spoke at the Institute in 1996, he presented to President Charles M. Vest a paper-weight-size version of a brass rat, one he took into space and into the Russian space station Mir. In one memorable hack, unknown MIT students welded a Brass Rat to the finger of John Harvard's statue in Harvard Yard.

Over the the course of several years, myths have developed about the Brass Rat. One superstition claims that if a student prominently displays his or her brass rat during a job interview, the chances of getting that job increase dramatically. Even the direction in which the ring is worn is steeped in tradition. MIT lore states that undergraduates who own brass rats must wear the rings with the beaver engraving facing the student, so that the Beaver will shit on them. Upon graduation, the new alumni turns the ring to the other side so that the beaver shits on the world. This tradition faded when rings began to feature etchings of the Boston and Cambridge skylines. Now, MIT students look out at the world, while graduates look back at MIT.

Spotlight of the Week

Eta Kappa Nu Women's Initiative

By Aaron D. Mihalik

In hopes of encouraging young women to pursue careers in electrical engineering and computer science, MIT's chapter of Eta Kappa Nu, the national EECS honor society, has launched the Women's Initiative — a program in which MIT women majoring in Course VI visit high schools nationwide educating those students about what it is like to study in EECS.

"In the spring of 1998, Microsoft approached HKN and challenged them to come up with ways to encourage women in EECS," said Lauren B. Fletcher '99, director for the Women's Initiative Program. A committee of HKN students then proposed that MIT women could visit high schools and make presentations to introduce EECS to the students. "The idea was that high school students would easily be able to identify with the MIT women as students," Fletcher said. Microsoft approved funding for the program.

At MIT, HKN's activities include providing Course VI students with resources such as *The Underground Guide to Course VI*, a tutoring program, and a Big Sib program.

The Women's Initiative was advertised to a conference of high school math and science teachers over the summer. Ten schools were originally selected that represented a variety of geographical regions. In each region, participants made presentations at several high schools. They spoke with students in their classes, at after school club meetings, during their lunch break, and in study hall.

Overall, the Women's Initiative made about 70 presentations at 40 high schools and reached nearly 2,000 students.

"The presentations were designed to be interactive discussions about engineering and women in engineering," Fletcher said. "We wanted the

students to feel that they were learning something and having fun at the same time."

Fletcher explained that the objectives of the presentations were to "explain what engineering and EECS are about, show that many interdisciplinary applications exist within EECS, demonstrate that EECS can be fun and creative, and show that women are capable of excelling in and enjoying EECS."

Currently the program is visiting schools in the Boston area, including a trip to Dorchester High School tomorrow. They are hoping to expand the project to involve more MIT students and additional high schools, and will hold an information session toward the end of the term to recruit new participants.



VIEWPOINT

This week's question:

What courses should be added to or dropped from the GIRs?

"Drop 5.11. [It] should be eliminated, because it is so badly taught."

Liyun Li '99, Course VII

"Drop requiring HASS-Ds to be in different areas. People who want to study something in depth get screwed over. GIRs are still important though."

Ania C. Busza '99, Courses VII and IX

"Drop the writing and swimming requirements. They are useless and boring."

Qiao Du '02, Courses VI and XV

"Add 18.03. It's required for graduate and medical school anyways."

Bani M. Azari '00, Course VII

"Add 1.00 or 6.001. It's as important as biology and chemistry."

Andrew S. Duggan '99, Course VI

"Add 8.022. It's good material, and we should make freshmen suffer."

Orton T. Huang '01, Course VI

"Add an ethics class. There are no ethics in the business world."

Matthew W. Lee '00, Course VI

"Add a history class. MIT needs to expand more on the HASS-D stuff."

Victor K. Mallet '02, Course X

"Add more flexibility to the GIRs. We should give people more options, such as computer programming classes."

Matthew L. McGann '00, Course XVIII

"I wouldn't change anything. The classes provide an education everyone in a technical field should know."

Andrew B. Greytak '00, Course V

Compiled by Eric Sit

TechCalendar

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

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

Thursday's Events

- 12:00 p.m. — **MIT Chapel Concert. The Fenway Trombone Duo.** Brian Troiano and Jonathan Baker, tenor and bass trombone. Works by Cornette, Bordogni, Shostakovich, and Blazhevich. Chapel.
- 4:00 p.m. — **The Development of the AMD-K7 Multimedia x86 Processor.** Fred Weber, Advanced MicroDevices. MTL VLSI Seminar Series. Refreshments in lobby of room 34-101 at 3:30 p.m. Room 34-101.
- 4:30 p.m. — **Macro-Scale Gas Bearing Experiments for the MIT Micro-Engine Project.** Mr. D. J. Orr, MIT/GTL. Gas Turbine Seminar Series. Refreshments 4:15 p.m. Room 31-161.
- 6:30 p.m. — **Certainty of Context.** Joseph M. Noero, architect, Washington University, St. Louis. Architecture Lecture Series. Room 10-250.

Wednesday's Events

- 11:00 a.m. — **Lightwave Micromachines.** Randy Giles, Lucent Technologies, Bell Laboratories. EECS /RLE - Optics & Quantum Electronics Seminar Series. Room 36-428.
- 12:00 p.m. — **The Role of the Secretary in Military Justice.** Professor Sheila Widnall, MIT, and former Secretary of the Air Force. Sponsored by Security Studies Program. Room E38-615.
- 3:30 p.m. — **Lecture on Communication for Professionals: Oral Presentations.** Lori Breslow, MIT. Professional Development Series. Ashdown House, Hulsizer. Sponsor: GSC.

Thursday's Events

- 4:00 p.m. — **Managing Inventory Under Customer Service Level Requirements.** Yashan Wang, Assistant Professor of Management Science, MIT. Refreshments to follow in Room E40-106. Room E40-298. Sponsor: ORC.
- 4:15 p.m. — **The Central Artery/Tunnel Project.** Dr. Fred Salvucci, MIT. Physics Colloquium. Refreshments in Room 4-339 at 3:45 pm. Room 10-250.

Friday's Events

- 3:00 p.m. — **Self-Assembling Inorganic-Organic Composites and Porous Oxides.** Brad Chmelka, University of CA, Santa Barbara, Department of Chemical Engineering. Reception held before seminars at 2:45 p.m. Room 66-110.
- 3:00 p.m. — **Nanorobotics.** Aristides Requicha, Laboratory for Molecular Robotics, University of Southern California. Room 3-270. Sponsor: Wurtman Lab.
- 3:30 p.m. — **How Sandcastles Fall.** Thomas C. Halsey, Exxon Research and Engineering, N.J. Refreshments. Room 1-350. Sponsor: Engineering & Environmental Mechanics Group with Engineering & Environmental Mechanics Group.
- 8:00 p.m. — **Concert Band.** John Corley, director. Kresge Auditorium.

Saturday's Events

- 2:00 p.m. — **You Oughta Be in Pictures.** Join MIT's Student Cable Group for the next general meeting. Learn how you can get involved in television production. 9-026. Sponsor: Student Cable Group / MITV.
- 7:00 p.m. — **Annual MIT Figure Skating Exhibition.** Come to the free annual show by students, alumni, and guests in the MIT Figure Skating Club. Johnson Athletic Center. Sponsor: Figure Skating Club.

Monday's Events

- 4:00 p.m. — **How Physics Made in Japan [and Elsewhere] Becomes Local, Global, and Universal.** Sharon Traweek, University of California, Los Angeles. Program in Science, Technology, and Society 1999 Spring Colloquia. Room E51-095.
- 4:00 p.m. — **Hand and Brains: Haptics in Real and Virtual Worlds.** Prof. Mandayam Srinivasan, MIT Touch Lab, Dept of Mechanical Engineering and RLE. MIT-EECS 1999 Spring Semester Colloquium Series. Refreshments served at 3:45 p.m. Room 34-101.
- 5:00 p.m. — **Advanced Music Performance Recital.** Adeline Leong '00, piano. Bartok, Ostinato, Schubert, Liszt. Killian Hall.

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Nud

Few Attend UA 'Meet the Candidates' Study Break

By Kristen Landino
STAFF REPORTER

Few candidates, and even fewer students showed up for the Undergraduate Association's "Meet the Candidates" Study Break held yesterday in the Burton-Conner Dining Hall.

The event was publicized as a chance to meet the candidates running for UA and class offices in the upcoming elections to be held by electronic ballot next week.

"It's difficult to get students to be interested in the UA candidates,

especially with their busy schedules. The UA, just like any other student group, would greatly benefit if its restrictive policy on food was lifted for such events," said Matt L. McGann '00, a candidate for UA president.

In total, only seven candidates out of a total of 52 running for various offices were present for the study break, however, the number of students present to query candidates was equally low.

"I came to meet the candidates and learn more about the issues fac-

ing the UA. In general, I think the UA is doing a good job of addressing the current problems facing students. One thing I'd like to see happen is greater cooperation and interaction between the UA and the IFC," said Aneal Krishnan '02, a member of the Junior Interfraternity Council who attended the study break.

Some of the candidates that were present for the study break included Paige Hopewell '02 and Geeta Napal '02 who are running for Class of 2002 social chairs.

"We hope to prevent the lack of social interaction and increased stress associated with the first year on grades by implementing more activities and parties that people will get excited about and want to participate in," Napal said.

Also running for Class of 2002 social chairs are Alison Neizmik '02 and Vanessa Li '02.

"We want to encourage freshmen to get out and meet each other. It is so easy to get bogged down at MIT with work," said Neizmik.

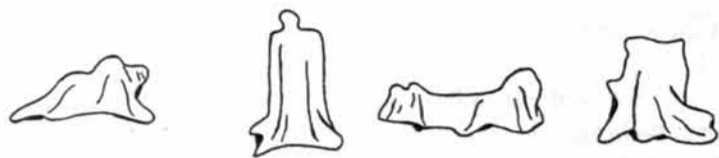
Jenifer Li '02, a candidate for

the UA Financial Board, felt that this position would be "an interesting way to get involved with the UA."

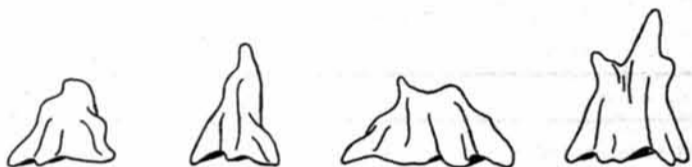
"I have prior experience handling finances in high school and I thought this position would allow me to become involved with the UA in a positive way," Li said.

Current UA President Paul Oppold '99 declined to comment on the lack of candidates in attendance.

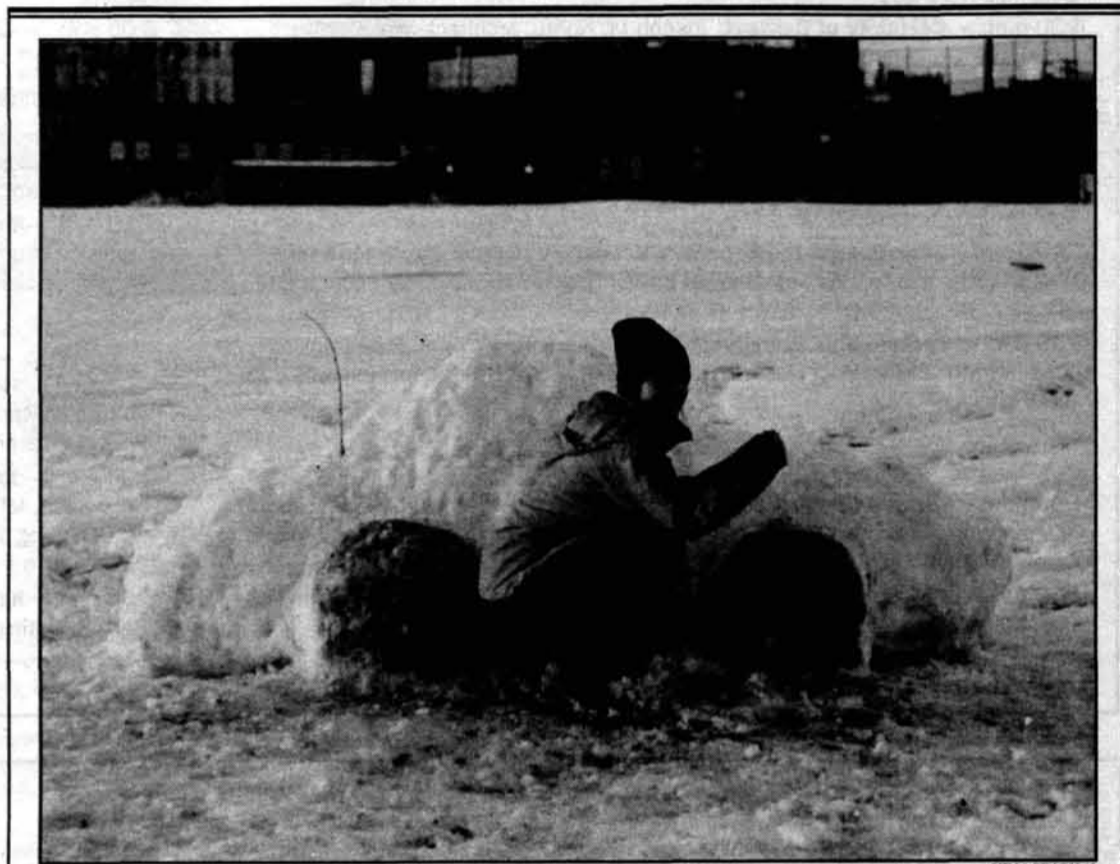
Candidates not present at this UA function could not be reached for comment.



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Law Schools Pledge to Ban Prejudiced Recruiters

FROM UNIVERSITY WIRE

The 162 institutions belonging to the American Association of Law Schools, including Stanford, have pledged to bar campus employment recruiters who discriminate by sexual orientation.

Short Takes

Students at these same institutions receive millions of dollars in Perkin's loans and work-study annually, aid which is tied to a congressional demand to allow the military to recruit on campus.

These two policies conflict, because the military, which will not hire openly gay individuals, violates the nondiscrimination policies of the law schools. Thus law schools are forced to choose between their nondiscrimination policies and aid for their students.

The policy "forces schools to pick between two disadvantaged groups: those who are denied career opportunities solely on the basis of sexual orientation and those who depend on financial aid to pursue a professional education," said Stanford Law Prof. Deborah Rhode, former president of the American Association of Law Schools.

As detailed in Friday's article, Stanford Law School has used a number of different tactics to avoid making a direct decision. But Stanford is not alone in its attempts to subvert the linkage of aid to military recruitment, a linkage spelled out in congressional legislation known as the Solomon Amendment.

In addition to localized efforts at schools like Stanford, various organizations and political leaders are conducting a national campaign to repeal all or part of the amendment.

As at Stanford, most law schools have to face the direct dilemma of how to react to the congressionally-mandated imposition of military recruiters.

Few law schools have come out in direct defiance of the amendment, which was adopted in 1996. One of the few that has is New York University Law School. The school, which has outright refused to allow military recruiters on campus, has not had its federal funding adversely affected, according to the Chronicle of

Higher Education.

Most law schools have taken the middle road, however, allowing some measure of military recruiting on campus but making clear their displeasure and taking compensatory actions to support gay and lesbian students.

Harvard Law School, for example, will allow the recruiters on campus but will not allow them the use of its career development center.

At Stanford, the Law School has adopted a policy that requires a minimum level of student interest before allowing recruiters to interview on its facilities.

According to Law School Dean Paul Brest, "we simply haven't had the interest," and thus military recruiters have been turned away without the school invoking the nondiscrimination policy.

The American Association of Law Schools, which claims about 90 percent of American law schools as members, allows schools to make exceptions to its nondiscrimination policy to comply

with the amendment. But it urges schools that do so "to be sensitive to the need for creative and effective amelioration strategies," including posting signs and letters that state that the schools do not condone the military's policy and supporting gay and lesbian forums and student groups.

Reps. Tom Campbell (R-Calif.) and Barney Frank (D-Mass.) are proposing an amendment that would repeal the portion of the amendment that denies financial aid to schools that bar military recruiting on campus.

"A student ought not be denied financial assistance just because of the military's policy," said Campbell, a Stanford law professor.

Alan Drexel, former president of Outlaw, Stanford Law Students for Lesbian, Gay and Bisexual Equality, agreed that "we were making victims of students that happened to attend institutions that took a principled stand."

The Campbell-Frank Amendment would allow for the

return of the financial aid portion of the federal funding for schools that turn away military recruiters but would leave in place other restrictions. Universities that turn away the military would continue to be denied non-financial aid funding like Defense Department grants.

"One can argue more persuasively that if the Stanford Physics Department wants to accept funding, it has to allow recruiting, but you can't make the same argument for student financial aid," Campbell said.

By taking this middle approach, the amendment is, in Campbell's words, "a rifle shot rather than an assault weapon."

Campbell has high hopes for the amendment, which will be introduced with the Defense Department Authorization bill next month.

"I've been talking to a number of moderate Republicans, and there's a lot of support out there, because this supports universities," Campbell said.

Students and faculty around the

country are taking an active approach in support of congressional efforts to overturn the Solomon Amendment, from filing lawsuits to bringing in speakers to sending letters.

"The success of such legislation is likely to depend on the legal profession's ability to inspire broad-based support from within and without the bar," Rhode said.

[The Stanford Daily, March 1 1999]

Nobel Laureate from Berkeley dies

Glenn Seaborg, the Nobel Prize-winning former UC Berkeley chancellor whose scientific discoveries effectively changed the history of the 20th century, died Thursday night. He was 86.

The renowned professor, whose discovery of plutonium led to the construction of the atomic bomb, was convalescing in his Lafayette home after suffering a stroke in August. He fell ill during a conference in Boston, Mass., where he

Short Takes, Page <None>



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INFORMATION SESSION - Wednesday, March 10th
 • 6:00pm, Room 8-105

ON-CAMPUS RECRUITING - Thursday, March 11th

Contact: Courtney Sarno: csarno@scient.com



AGNES BORSZEKI - THE TECH

Lakshmi Knight, daughter of the legendary Bharata Natyam dancer Balasaraswati presents "Varnam," a classical narrative solo dance during the Bala Ensemble's performance on Saturday. This dance provides an opportunity to exhibit the beauty of pure dance, alternated with lyrical passages in which the dancer interprets the poetic text through mimetic dance, using gestures and facial expression.

EECS to Reinforce Ties With Industry, Rethink Curriculum

Guttag, from Page 1

said, the whole faculty is involved in the hiring process, which consists of a two-day interview for each of the roughly forty candidates. "We rely heavily on young faculty to help us find the hot new people in the field," Guttag said.

The influx of so many new faculty members within a relatively short time presents the possibility for discontinuity in the department. "We need to set up a fairly careful way to set the new faculty to be a success" at MIT, Guttag said.

EECS to build ties with industry

In addition to hiring new faculty, Guttag also plans to restructure the EECS department by forming stronger relationships between the EECS department and leading industries.

"We need to rethink the way we interact with industry," Guttag said of the EECS department. "Historically, the connection with industry has been achieved through the VI-A program... but today it's not sufficient." Course VI-A is the department's industry internship program.

"We need to be more aggressive bringing people [from companies] to give talks and maybe even teach classes" so that students get exposure to the applications of electrical engineering and computer science, Guttag said.

Guttag said that the department needs to expose students to what goes on at smaller companies in response to increasing interest among Course VI students in joining small companies upon graduation.

"We need to find ways to let students find out about what goes on at smaller companies, perhaps by bringing entrepreneurs on campus," Guttag said.

Guttag proposed a program that would operate specifically through the EECS department. Companies

would agree to provide lectures or workshops at MIT in EECS-related fields and in return get an edge on recruiting MIT students fresh after the completion of their degrees.

The EECS department's efforts at building connections with industry should be designed to be complementary to MIT's career services, Guttag said, leveraging the department's expertise to address the specific needs of EECS majors. Guttag said that the plan would not disrupt any existing agreements between industry and the Institute, saying that he did not want "step on any toes."

Associate Department Head Rafael L. Reif will assume primary responsibility for establishing relationships with leading companies, and according to Guttag, a relationship-building program should be put together by the Fall of 1999.

Curricular redesign planned

Guttag also hopes to redesign certain aspects of the Course VI curriculum, with that effort being led by Associate Department Head Tomas Lozano-Perez '73.

"We'll be looking hard at the common core," Guttag said. The department is in the process of revising some of the more stale courses, according to Guttag, such

as Circuits and Electronics (6.002).

"We need to think about residential education," Guttag said. The tools now used in teaching, he noticed, "are the same tools people have used for hundreds of years." Guttag hopes to explore the use of interactive learning tools to better address students' growing interest in Course VI.

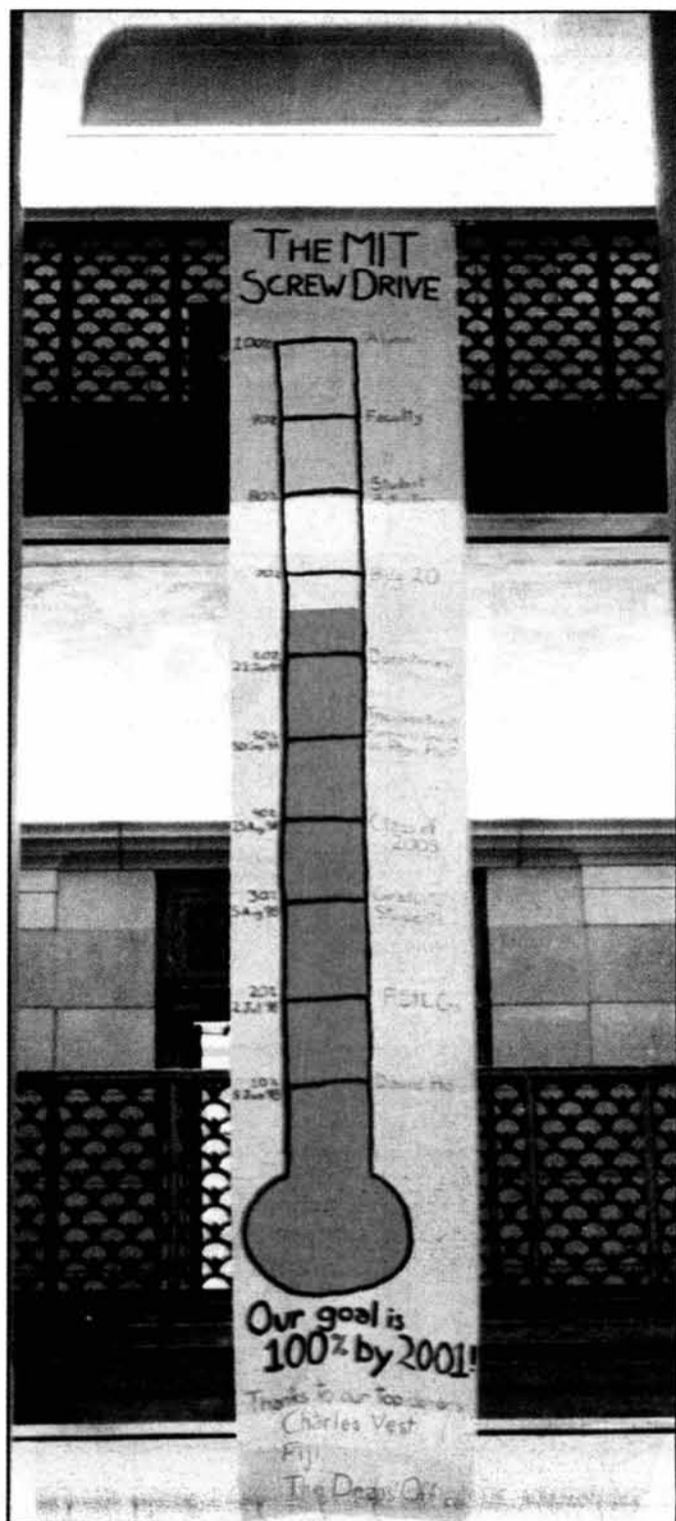
Typically, just below 300 students major in Course VI each year, but that figure is rising the class of 2001 has 360 Course VI majors.

Some changes yet to be determined

The structure for implementing these changes is still at an early stage, where ideas from faculty are organized by a loose committee system. Reif will organize input from the electrical engineers, while Lozano-Perez will do the same for the computer science faculty. Guttag will chair a third committee to oversee them.

Armed with suggestions from the faculty, Guttag and the associate department heads will then propose programs for connection-building and curriculum development.

Further along in the planning process, Guttag will select a steering committee to work with the rough proposals and "start involving faculty and students," he said.



WAN YUSOF WAN MORSHIDI—THE TECH

Hackers put up a poster in Lobby 7 yesterday to voice their discontent with various MIT student groups, policies and administrative decisions.

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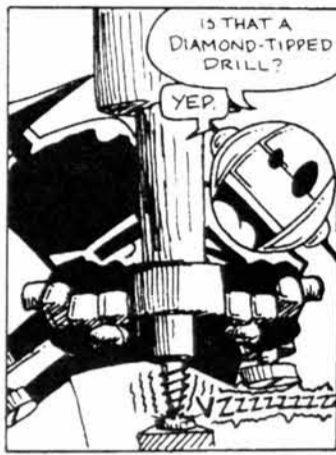
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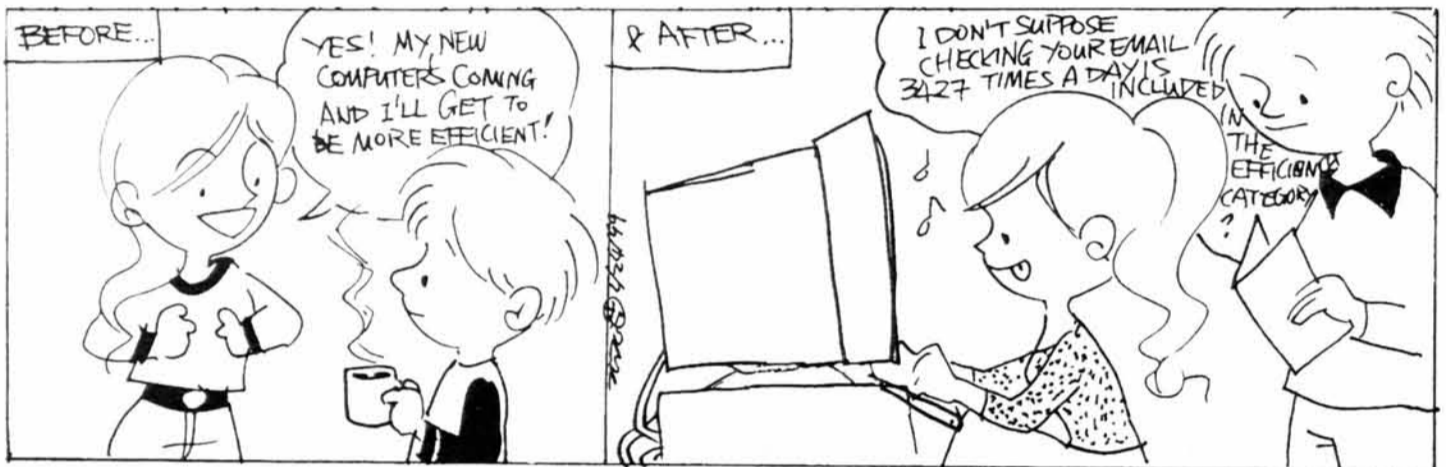
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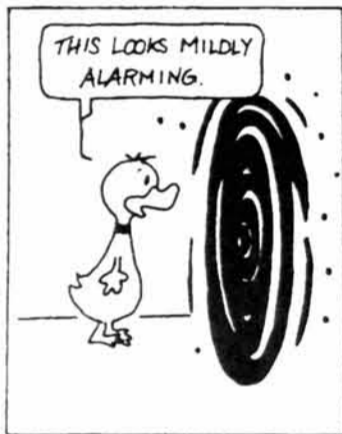
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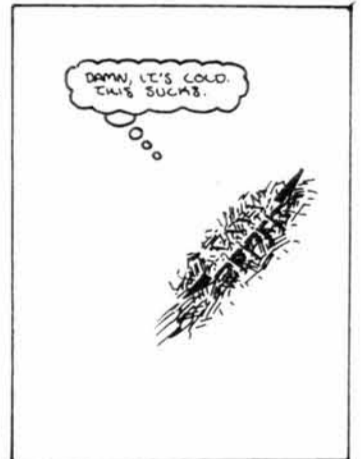
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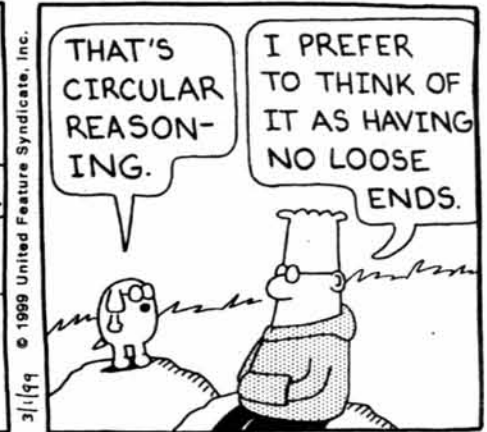
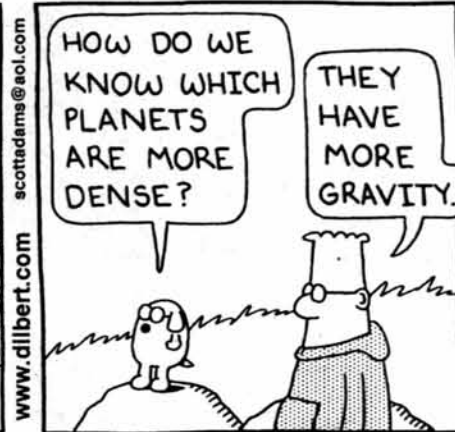
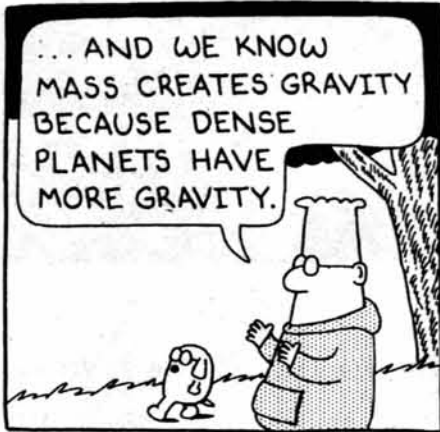
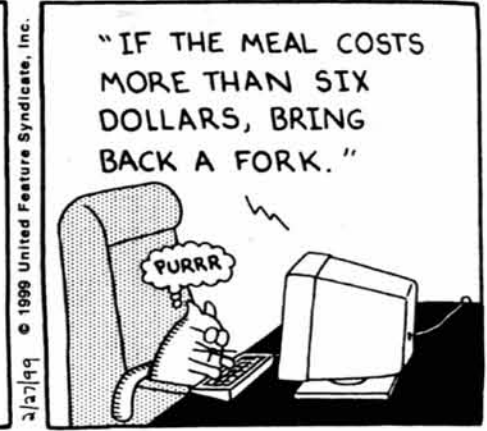
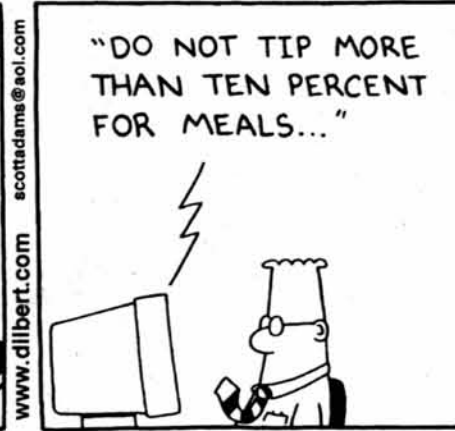
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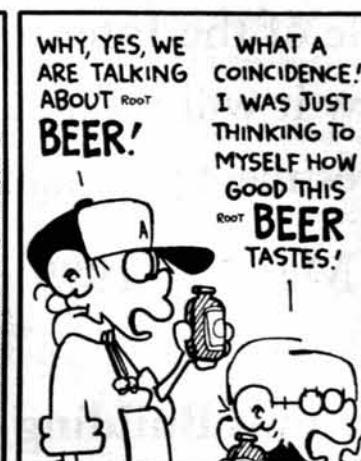
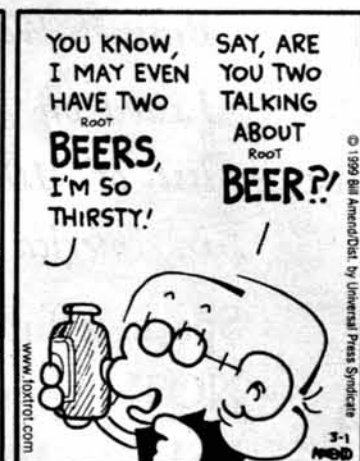
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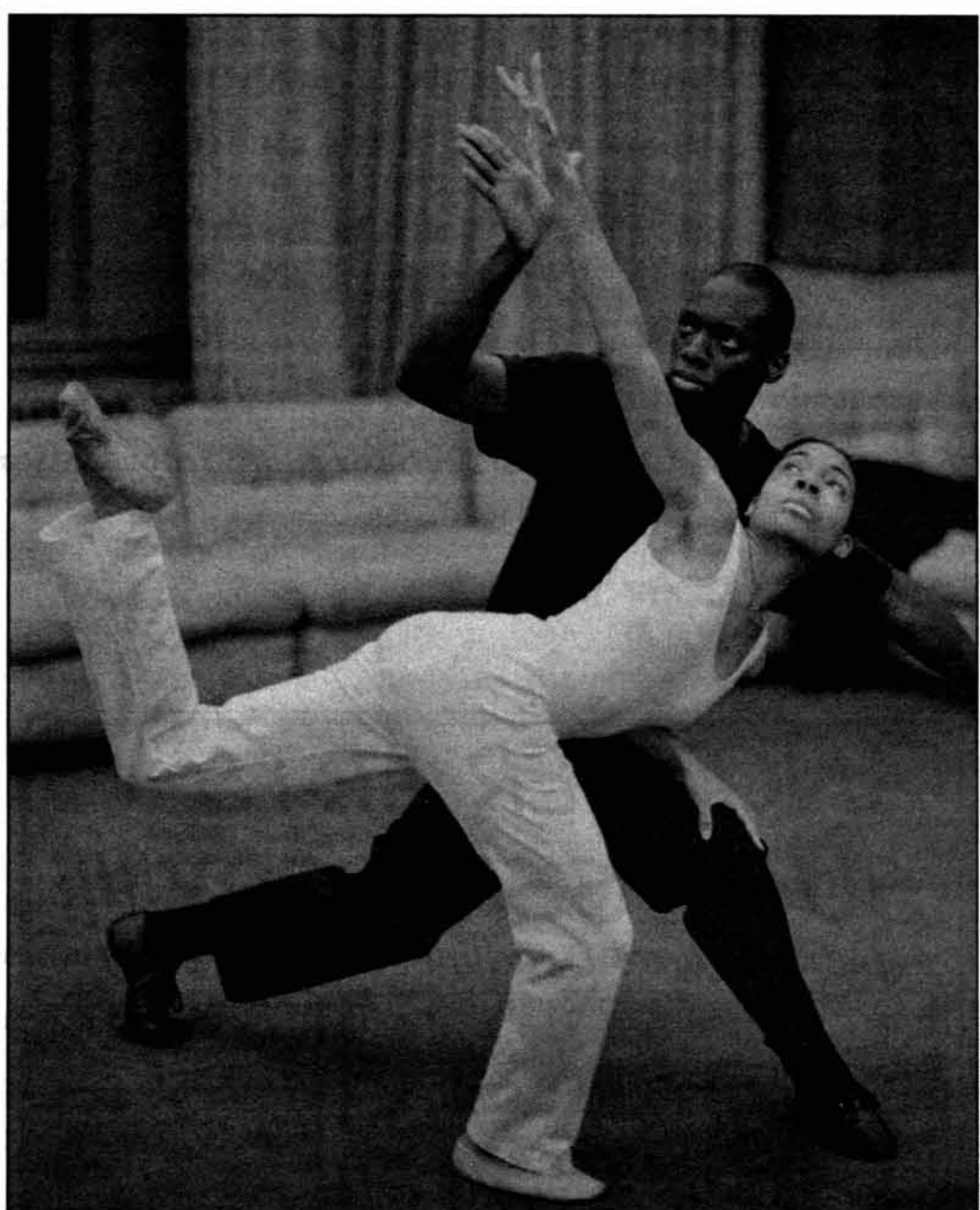
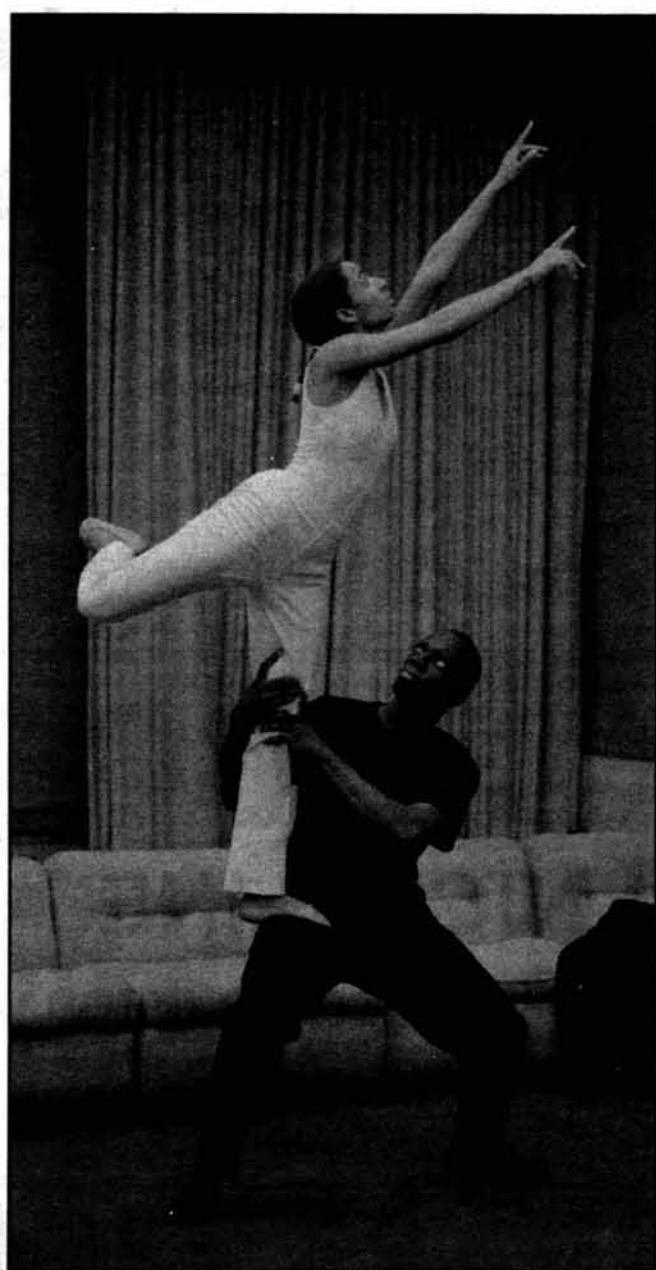
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GABOR CSANYI—THE TECH

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Food and Beverages will be served
INTERVIEWS will be held:
March 4, 1999

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1. 1998 Year-End Report: U.S. Dept. of Bogus Statistics

Burnham Arrived at Raytheon in 1998

Raytheon, from Page 1

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Burnham is a recent addition to Raytheon's Board of Directors, having arrived as the chief operating officer in 1998. Before this, he was vice president and president of different branches of AlliedSignal, another electronics defense company. Prior to joining AlliedSignal, Burnham held positions of increasing responsibility at The Carborundum Company from 1971 to 1982.

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Chess Team Players Enjoy Tournament

Chess, from Page 1

things I've done with MIT," Vioria said. "The players are still intense and want to win, but the atmosphere is much more social than other tournaments because of the team aspect and all of the side events."

Kachani said that this tournament, his first in the U.S., "was a delightful experience."

Gelman noted that "several teams sported international grandmasters, including former United States chess champions" despite the fact that this was an amateur tournament. "The only restriction on a team is that it must be an 'amateur' team, which means more or less that there must be at least one person who is not a chess master," Gelman said.

Two six-hour matches were held

each day of the three day tournament, and the MIT team won five of six including the last four. In each match, "four boards from each team play each other in four separate games. A team must score at 2.5 out of 4 to win the match," Gelman said. Half a point is awarded for games ending in draws, and a 2-2 tie results in a draw for the match. The MIT team brought five players to rotate each round.

Members of the MIT Chess Club were selected for the tournament based on challenge matches held beforehand. Kachani and Chatelain defeated higher ranked players in the club to qualify for the team.

The USATCE also featured lectures by international grandmasters and an exhibition match between the U.S. Women's Champion and a six-time U.S. Chess Champion.

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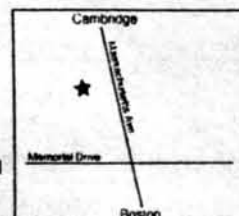
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Nobel Laureate, Former Berkeley Chancellor Dies

Short Takes, from Page 9

was being honored as one of the "Top 75 Contributors to the Chemical Enterprise" by the American Chemical Society.

Seaborg was the first living person to have an element on the periodic table named after him -- element 106, seaborgium -- and is considered a substantial part of UC Berkeley's identity.

"Glenn Seaborg gave his magnificent intellect to the world and his heart and soul to the University of California," said UC President Richard Atkinson, in a statement. "He once said that everything he achieved he owed to his association with UC. Few universities have been given so much in return."

During a career spanning more than five decades, Seaborg garnered international acclaim in the sciences, education and diplomacy. He made an indelible mark on the world with his contributions to the Manhattan Project, which resulted in the creation of the atomic bomb.

The discovery of 10 atomic elements, including berkelium and californium -- which were named in honor of the UC Berkeley campus -- are also credited to his career.

But Seaborg's contributions to the UC Berkeley campus reached beyond his scientific efforts. His efforts in education as well as his concern and interest in sports led him to help create the Pac-10 intercollegiate athletic conference.

"The world today has lost a great man of science," said UC Berkeley Chancellor Robert Berdahl, in a statement. "We have lost a revered member of our campus family. He embraced this place as his family, and for more than six decades he loved it as deeply as anyone could. Berkeley, in return, loved him with its whole heart."

Born on April 19, 1912 in the "isolated iron town" of Ishpeming, Mich., Seaborg grew up during the Depression in Los Angeles County. After attending high school in Watts, he earned an undergraduate degree in chemistry from UCLA in 1934. He later received a doctorate in chemistry from UC Berkeley.

"Graduate school at Berkeley was like a pilgrimage to scientific Mecca," Seaborg once said. "The chemists and physicists there were already legendary."

In 1951, Seaborg shared the Nobel Prize for chemistry with the late Edwin McMillan for research into the transuranium (heavier than uranium) elements. He has also served as president for both the American Association for the Advancement of Science and the American Chemical Society.

Seaborg's accolades are so numerous that his name appears in the Guinness Book of World Records for having the longest entry in "Who's Who in America."

His list of accomplishments stretches beyond the sciences and into education, environmental matters and public service.

He served as associate director-at-large of the Lawrence Berkeley National Laboratory, a UC Berkeley chemistry professor, cofounder and chair of the Lawrence Hall of Science and the first scientist to become chair of the Atomic Energy Commission -- the forerunner of the U.S. Department of Energy -- under the Kennedy, Johnson and Nixon presidential administrations.

"He always had his eye on the ball and knew what he was doing," said Al Ghiorso, an LBNL physicist and a long-time friend of Seaborg. "He wanted to get results."

If Berkeley was the foundation for nuclear chemistry, then Seaborg must have been the father, his col-

leagues said.

"When people thought of Berkeley, they thought of Glenn Seaborg," said Andrew Sessler, an LBNL physicist who once served as director of the lab.

Keeping meticulous notes, Seaborg was constantly mapping out strategies and writing books. Seaborg's work in chemistry and with the Atomic Energy Commission brought him national acclaim.

"He was instrumental in starting activities in nuclear chemistry because of his work with elements," Sessler said. "He was a strong force in nuclear chemistry."

Sessler described Seaborg as "balanced and not tied to a particular point of view." One of Seaborg's greatest strengths was his knack for handling administrative matters, because he was a strong at building a consensus and organizing an effort, he said.

"He had seen so much and been in so many situations," Sessler said. "If you were worried about something, he knew how to handle it, because he had probably been through the same thing 10 times."

Beyond his work as a renowned scientist, Seaborg contributed immensely to not only the UC Berkeley campus, but the entire UC system. He served as chancellor of the university from 1958 to 1961, as well as a university professor, a distinguished position entitling him a professor of chemistry at all nine UC campuses.

Seaborg was also levelheaded and found relaxation in watching football or playing golf among other sports, according to Ghiorso.

With his interest in sports, Seaborg served as faculty athletic representative in the 1950s and was partly responsible for the development of the Pac-10 confer-

ence to enhance athletics at the already academically-successful institution.

"On the Berkeley campus, I led what one writer called the 'revolt of the intellectuals' against the excesses of big-time college sports," Seaborg said. "Widespread recruiting violations broke up our old intercollegiate athletic association, and I helped redraw the rules that led to the formation of what is now the Pac-10 conference."

By creating the new conference, Seaborg allowed the UC Berkeley campus to prove that it could excel not only in academics, but also in athletics.

"Berkeley proved it was possible to combine athletic and academic excellence," he once wrote. "Ranked third nationally in academics, our teams won a conference championship in football and a national championship in basketball."

While Seaborg's groundbreaking research in the creation of plutonium and his role in the government's top-secret Manhattan Project led to the development of the atomic bomb during World War II, he later became a strong advocate of world peace. His advocacy against nuclear proliferation is an effort his son David, who lives in Walnut Creek, continues to stress today.

In 1963, Seaborg took a group of 10 distinguished researchers and scientists to the then-Soviet Union to study what was going on during the Cold War, Ghiorso said. He developed the Test Ban Treaty to curtail nuclear proliferation and helped make sure the treaty could go through, Ghiorso added.

"They travelled for a couple of weeks, and this was at the height of the Cold War," Ghiorso said. "Then Seaborg took us to the Embassy and then he told us why we had come and delineated to us what each of us would do. He dealt with the issue in depth and he accomplished a lot. It was his idea to have the comprehensive Test Ban Treaty."

Seaborg and his wife also helped set up a hiking trail behind the East Bay hills, which extends from Contra Costa County to the border of California. The couple has hiked across the trail.

"He did a lot where a lot of people wouldn't or couldn't," Ghiorso said.

Seaborg's brilliance was distinguishable early in his career, his colleagues said.

"He had to have a sense of what he was going to do early in his career at some point, seen as having tunnel vision," said Lee Schroeder, director of LBNL's nuclear physics division. "He had to have been aware of his position in history."

Seaborg maintained a captivating presence whether he was talking to a group of school-age children or to a symposium of scientists. At 6-feet, 5-inches tall, Seaborg was tall and slender. He struck those who met him as a regular person, but after speaking and interacting with him, people realized his great stature as a true visionary, Schroeder said.

"He had an enormous, broad range of accomplishments," Schroeder said. "One gets to meet few of those in a lifetime."

He is survived by his wife of 56 years, Helen Griggs Seaborg, whom he met at LBNL, and five of six children. His first child, Glenn Seaborg, died in 1997.

A memorial service in Seaborg's memory is expected to be announced soon.

[The Daily Californian, Mar. 1, 1999]

Yale alum loses in Nigerian election

Olu Falae, the current Nigerian finance minister, lost in his country's presidential race Sunday to front-runner Olusegun Obasanjo, a former military ruler seeking a civil-

ian comeback 20 years after giving up power.

But a claim of election misconduct cast a shadow over the vote, billed as a chance to restore democracy to Africa's most populous country.

Late last night, Obasanjo had captured 62 percent of the vote with 31 of Nigeria's 36 states and the federal capital reporting. The official results were not available at late last night.

One of Falae's top aides called the election "completely fixed." His accusation followed international observers' reports of ballot box-stuffing and other serious voting infractions.

"Our delegation members and others witnessed serious irregularities and overt electoral fraud in a number of states," said former U.S. President Jimmy Carter, who led a 60-person delegation of election observers.

But Carter added that "a saving factor was that there was no nationwide pattern to favor any one party."

Corruption and mismanagement have cost Nigeria billions of dollars of its massive oil wealth, leaving much of its infrastructure crumbling, with electricity and water service largely unknown in many cities.

The country has suffered for five years under the harsh dictatorial regime of Gen. Sani Abacha, and both Falae and Obasanjo were imprisoned under his reign as political dissenters. They were freed upon Abacha's death and the subsequent rise of a temporary pro-democratic regime, a regime that now makes way for Obasanjo's rule.

Even if Falae did not muster enough votes to win the presidency, Nigerians at Yale say it is a no-lose situation, a final step in their country's transition away from military control.

"Whether he or Obasanjo wins is not the point," said Frank Arasanyin, a native Nigerian and African studies lecturer. "Whoever is there is going to make a lot of basic changes in the status quo."

Arasanyin said the popular demand for change will be immutable.

"Given Nigeria's experience under Abacha's military regime," he said, "Any ruler who steps up to power will have to face a people who will not give up their demand for basic changes."

Though both candidates made similar pledges to tackle the country's major economic crisis, corruption and widespread poverty, Falae has been the underdog in the race since the start.

"Falae isn't as well known as Obasanjo," said Wiebe Boer, a Nigerian African studies graduate student born to missionary parents. "He was the finance minister who implemented a system that was either a total failure or a success depending on how you look at it."

Boer said he throws his support to Obasanjo.

"In Nigerian politics, he's the only military leader to hand over his rule to a civilian government," he said. "He was also the only one who didn't come to power in a coup."

Boer added that he admired Obasanjo's tenacity while in prison.

"For him to spend three and a half years in a Nigerian prison that's worse than hell," he said. "[Nelson] Mandela in South Africa could never have done that."

Arasanyin said he was very hopeful for Nigeria's future with Obasanjo at its helm, but he was still unsure of the prospect of having a former general as president.

"Most of us perceive this government as a way to try things out," he said. "And then to have a better perspective on the country's traditional problems. This is a wait and see period."

[Yale Daily News, Mar. 1, 1999]

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Engineers Travel To Utah For Nationals

Hockey, from Page 20

weapon, their power play, was ready to go to work. The first minute of the power play was slow as WPI played strong defense and did not allow MIT any opportunities. MIT was forced to regroup from their own end on a bad bounce on a pass back to the point. Defenseman Jim Goodman G found Rae streaking up the side boards with a quick pass that caught the two WPI forecheckers flat-footed. With Rae's speed and hands the outcome was all but assured. Rae side-stepped one of the two remaining defenders and

found Geller all alone in front of the net. Geller made no mistake and buried it in the back of the net to give MIT the overtime victory and the league championship.

With the win, the team is now off to play for the national championship in Salt Lake City. Their round robin bracket has them facing St. Louis University, University of California, Los Angeles, and the two time defending National Champions Life College. Hopefully they can advance to the semifinals where they could face teams like University of Michigan or Michigan State.

Men's Volleyball Defeated By New Paltz at Roger Williams Tourney

By Darius Jazayeri

TEAM MEMBER

In a successful week, the men's volleyball team defeated Daniel Webster College on Wednesday to qualify for the Roger Williams Tournament on Saturday. MIT lost to SUNY New Paltz in the semifinals of the playoffs.

The Engineers started Wednesday's match against Daniel Webster with a less experienced lineup, led by setter Daniel Levy '02, and outside hitters Bernard Ahyou '01, Angell Shieh '02, and middle hitter Nathaniel Sattler '02. The new lineup started the match a bit shaky, and MIT lost the first set 15-5. The Engineers then regrouped

with excellent passing by Ahyou, and hitting by Sattler to win the next two sets decisively 15-0 and 15-12. Daniel Webster then came back to win the fourth set 15-10 but then MIT then brought in several veteran players and won the fifth set 15-6.

On Saturday the Engineers travelled to Rhode Island for a tournament at Roger Williams University. MIT finished first in its pool by first defeating Ramapo College 3-2 and then Johnson and Wales University 3-0, whom they had lost to earlier in the season. The Engineers were led by the artful setting of Minpont Chien '00, who earned all-tournament honors for his play. Exceptional offense was provided

by middle hitter Ya-bing Chu '99, outside hitters Bob Moser '99 and Darius Jazayeri '00, and right side hitter Nikolaos Michalakis '01.

MIT then faced SUNY New Paltz in the semi-final round of the tournament. The Engineers, hurt by poor passing, got off to a slow start and lost the first two sets 15-7 and 16-14. MIT came back to win the third set 15-13, but again faced passing difficulties, and lost the fourth set 15-8, ending the Engineers day. SUNY New Paltz went on to win the tournament.

MIT, now 7-7, hosts Sacred Heart University on Wednesday, and plays a rematch against SUNY New Paltz at home on Friday.

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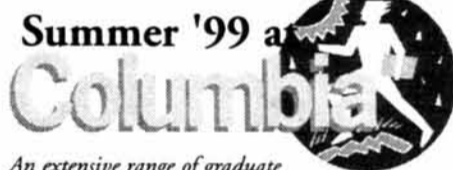
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Summer Session '99

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SPORTS

Men's Ice Hockey Takes Conference Championships

By John Rae and Jim Goodman
TEAM CAPTAINS

With three strong victories this week, the MIT ice hockey team was able to capture the New England College Hockey Association Championship. MIT entered the playoffs as the first seed with a 10-0-0 record in league play this season. The playoff format had the top four teams from each half of the league qualifying for the playoffs. The top seeded team from each bracket would play the lowest seeded team in the other bracket.

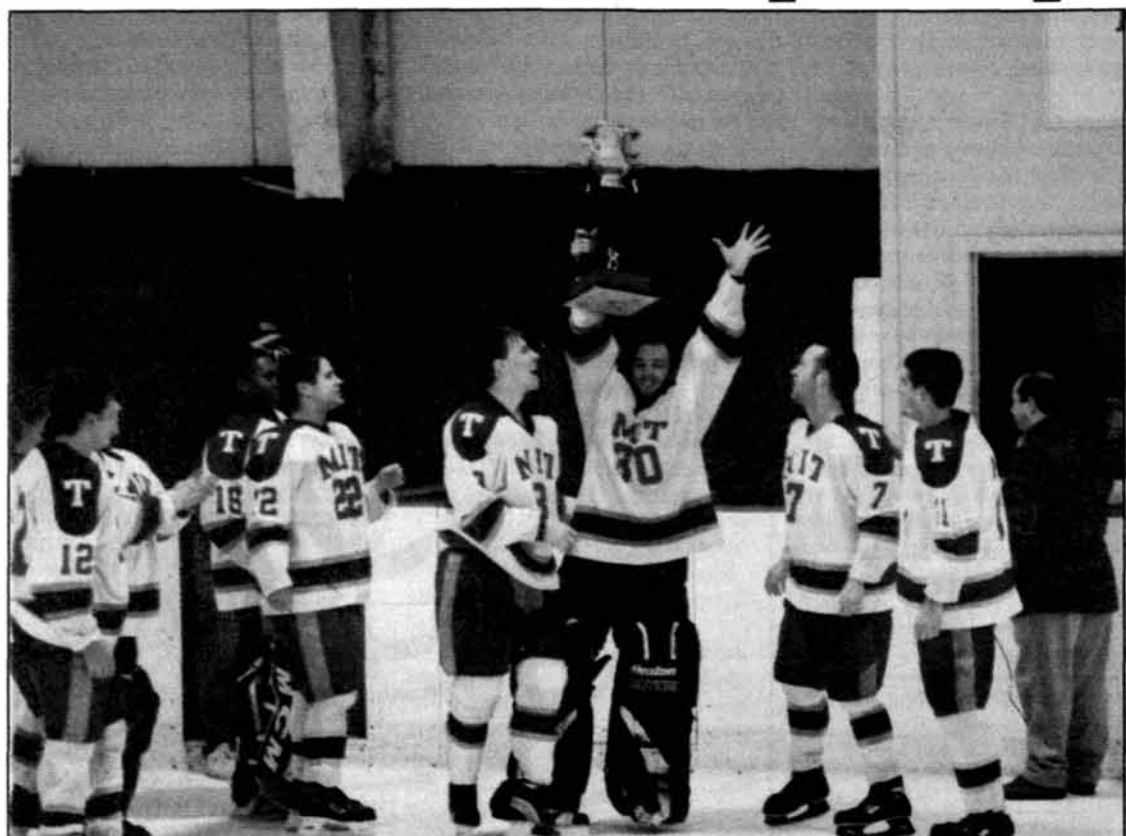
The first round of the playoffs took place Tuesday night at the Johnson arena. MIT played a strong Springfield college team. Earlier in the season MIT had defeated Springfield 5-1, but Springfield came into the playoffs with much more intensity than they had shown during the regular season. Springfield dominated the early portion of the game, but MIT was able to escape the early onslaught with some excellent goaltending by John Zehren '99. About ten minutes into the first period the momentum turned and MIT began to dominate the game. Two goals late in the first period sent MIT into the locker room with a comfortable lead. For the rest of the game MIT was unstoppable. Four goals by John Rae '99 and an amazing solo effort goal by J.D. McNally '01 pushed MIT way out in front and they never looked back, advancing to the next round of the playoffs with a 7-1 victory.

The semifinals looked like they were going to be very tough as MIT

had to face Franklin Pierce College. Franklin Pierce defeated Bates college 9-2 to advance to the semifinals and they were excited to face MIT. Franklin Pierce was the fifth ranked team in the northeast and only the top four teams were invited to the national tournament. They believed they deserved to go instead of MIT and they were determined to prove it in the playoffs. Franklin Pierce came out flying and jumped on MIT right at the start of the game with an early goal. Franklin Pierce continued to dominate the game for much of the first period, but as always Zehren kept MIT in the game. With time winding down in the first period, the Engineers were able to tie the game on a gritty goal by Mark Cappellari '01. Cappellari stole the puck behind the Franklin Pierce net and was able to fight his way in front and squeeze the puck by the goalie on his right side.

The second period proved to be MIT's best period of the game as they opened up the flood gates on Franklin Pierce to put the game out of reach. Less than a minute into the second MIT picked up their second goal of the night on a power play. This goal appeared to frustrate the Franklin Pierce players who then took several more penalties. MIT's power play was on fire as they scored twice more. With two more even strength goals, MIT walked off at the end of the second period with a 6-1 lead. The Engineers seemed to sit back on the lead in the third period, but was able to advance with a 6-2 victory.

The championship game had



MIT goalie John Zehren '99 triumphantly holds up the trophy after winning the NorthEast Collegiate Hockey Association Championship Sunday.

MIT facing Worcester Polytechnic Institute in a battle of the engineers. WPI has played MIT extremely tough in the past. The two schools split their last four matches. WPI was backboned by a tremendous goaltender who has had MIT's number for the past two seasons. For the second straight game, MIT fell

behind in the early minutes of the game. A WPI player was able to get open in front of the net and deflect in a pass from the corner to put WPI up 1-0. This time MIT was not able to bounce right back, and they ended the period down by a goal.

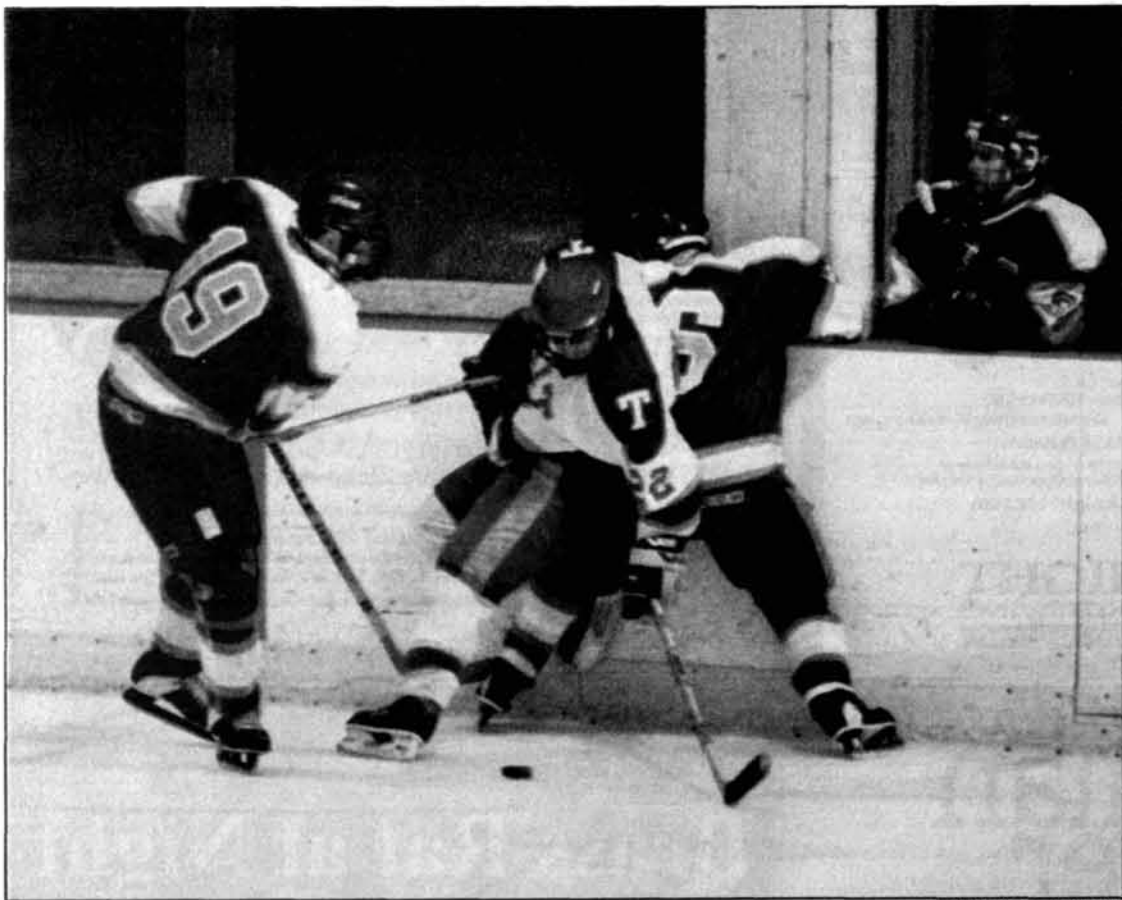
The beginning of the second period did not treat MIT well, as a WPI player broke through the MIT defense and scored on a partial break away. Down 2-0 the Engineers did not give up and were able to claw their way back into the game. MIT's first goal came from Rae on a brilliant pass by Brett McKeone G. Less than two minutes later MIT struck again on the power play. Avishai Geller '01 was able to walk out of the corner and beat the WPI goalie with a low shot. MIT took a couple of penalties that forced them to play shorthanded several times in the second period, but they were able to hold off the WPI attack and escape the second period with a 2-2 tie.

MIT fell behind again in the third period, as a WPI player was able to sneak a shot between goalie

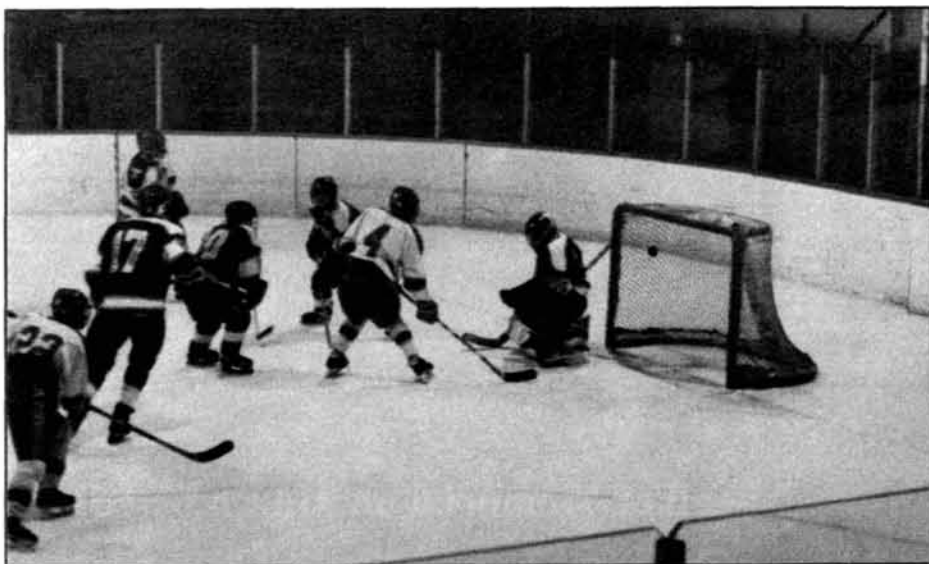
Zehren's legs. Down 3-2 late in the third period, it looked bad for MIT, but a tremendous individual effort by Geller allowed MIT to tie the game. Geller broke down the right side of the ice and was able to beat two defenders and walk to the front of the net. With three WPI players hooking him, Geller was able to get a shot off. The WPI goalie made the save but was completely out of position for the rebound, which Rae was able to tuck into the empty net. From that point on MIT was on fire. They had several excellent chances late in regulation, but were not able to beat the WPI goalie. With the score tied at 3-3 after regulation the game went into sudden death overtime.

The first opportunity of overtime was for WPI, but Zehren made the save with no trouble. After WPI's scoring chance MIT attacked with a vengeance. They controlled the play for nine minutes of overtime but were unable to get any great scoring chances until WPI took a penalty. MIT's best

Hockey, Page 19



Forward J. D. McNally '01 fights two opponents from Franklin Pierce College for control of the puck in Saturday's semi-final match. MIT won 6-2, advancing to the finals.



MIT's offensive line overpowers the goalie from Franklin Pierce College during Saturday's semi-final game at Northstar Youth Forum in Westborough.



MIT players scramble to control the puck and shoot past defenders from Worcester Polytechnical Institute during the Championship game Sunday. MIT triumphed 4-3 in sudden death overtime.

UPCOMING HOME EVENTS

Tuesday, March 2

Baseball vs. Brandeis University, 3:00 p.m.
Pistol vs. alumni and alumnae

Wednesday, March 3

Women's Lacrosse vs. Springfield College, 1:00 p.m.
Men's Tennis vs. Clark University, 1:00 p.m.

Thursday, March 4

Softball vs. Mount Holyoke College, 12:00, p.m.