

Urban to Step Down As Dean of Sloan Sch.

By Zareena Hussain
CONTRIBUTING EDITOR

Glen L. Urban will step down as Dean of the Sloan School of Management on June 30. After a year-long sabbatical, Urban will return to MIT to do research on trust-based marketing on the World Wide Web and teach a new course on creativity.

Urban became dean of Sloan five years ago, succeeding Lester R. Thurow, who helped build Sloan's reputation as one of the nation's premier business schools.

When he became dean, Urban still saw room for the school to evolve. His ideas included improving course content and student satisfaction, increasing the size of the school, increasing ties between Sloan and the rest of the Institute, and making Sloan one of top business schools in the world.

"My philosophy on this dean's job is that it should be viewed as part of a relay race, not a marathon," Urban said in a letter announcing his departure. "Lester Thurow passed the baton to me in 1993 and after five years, I feel we have substantially accomplished the initiatives set out in my five year plan."

After 19 months under Urban, Sloan rose to first place in the U.S.

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AJAI BHARADWAJ—THE TECH

Patrick Dannen '98 makes his winning throw in the shot put on Saturday. MIT won the meet, beating out local rival Tufts University.

Carter Announces New Funding in UA Speech

By Jennifer Chung
STAFF REPORTER

Undergraduate Association President Dedric A. Carter '98 delivered this year's State of the UA Address on Monday, announcing a new \$40,000 grant for student activities, praising UA committees, and calling for a commitment to keep moving forward.

Carter announced that the UA has "been able to secure another year of funding from the provost in the form of a second special grant," which will be allocated to student activities. Last year Provost Joel Moses PhD '67 gave the UA and the Graduate Student Council \$40,000 to distribute to student activities.

"These additional funds are essential to the smooth operation of student activities for another year," said Carter. Carter thanked Moses and others in the administration for allowing the grant.

The money will be divided between the funding boards of the UA and the Graduate Student Council. The division will be exactly the same as the division of the last \$40,000, Carter said. The UA received \$32,000 of the previous grant and the GSC \$8,000.

Student groups will be able to request a portion of the funds through the UA Finance Board by February 16, Carter said. He said that the new \$40,000 grant was a good start, but called for an additional \$500,000 in student activities funding over the next five years.

"We cannot stop with a \$40,000,

we must make the student activities endowment a reality," Carter said, pointing out that MIT ranks 19th among its "peer institutions" in student activities funding.

After the speech, Carter said that although the provost's office had given two special grants for student groups, he didn't expect it to happen regularly. "I don't think that the provost will do this again," he said.

Instead, he said that the UA was working with Moses to reform activities funding. "We need to get above the current meagre level of funding," Carter said.

'A return to first principles'

One of the running themes through Carter's address was the idea of a return to first principles, "a bold new step that examines our aims in light of our anchors."

Throughout his address, Carter also cautioned the audience to keep working. "Do not sit on your laurels and look at what you have accomplished," Carter said, "because there is so much more to do."

Carter recognized critics who said that the UA needed to do a great deal more over the next term. "In the grand scheme of all that we have to accomplish to get to a nearly perfect student government, we have only scratched the surface," he said.

However, he said, "our committees are more active and more effective than they have been in at least the last 5 years." He said

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Keyser Discusses Hacks, Culture at TBP Lecture

By Jennifer Chung
STAFF REPORTER

Samuel J. Keyser a professor of linguistics and special assistant to the provost, kicked off the second semester of the Tau Beta Pi Leonardo da Vinci Dinner Lecture Series with an lecture on MIT student culture entitled "What does IHTFP really mean?", with opening remarks by President Charles M. Vest.

Throughout his twenty-one years at MIT, Keyser has had keen interest in MIT student culture, said Guang-Ien Cheng G, the TBP Scholarship Chair, who introduced Keyser.

Keyser, started his talk, entitled with "a very quick walk through hackdom". "Everybody loves hacks," said Keyser. "I mean, there's something very fetching about them."

One of Keyser's earliest examples of a hack involved placing a Model T on the roof of East

Campus in 1925. Later, students thought it would be fun to one-up that by coaxing a cow onto a roof. They discovered that although cows will willingly climb up stairs, they will refuse to climb down them, he said.

In the same vein students placed a plastic cow (stolen from the Hilltop Steak House) on the great dome, which may or may not have been easier to take down. (The cow, now on display at the MIT Museum, has since been granted a mortarboard in honor of its time at MIT.) The Objects-on-the-Dome series has spawned various other hacks, including the infamous police car on the dome and a phone booth which rang as soon as a police officer reached it.

Keyser's favorite hack, also on display at the MIT Museum, was a 1985 List Visual Arts Center "exhibit" entitled "No Knife," in which hackers set up bogus artwork by "James A. Tetazoo" outside of a new art exhibit.

For many years, the fraternity Alpha Tau Omega got free advertising during Residence and Orientation Week, when the Sheraton hotel across the river would only light the letters "ATO" in its name, "because they were afraid that kids would break the other letters," said Keyser.

Another oft-told hack involved a disruption at a Harvard-Yale football game. During halftime, a weather balloon inflated and exploded.

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AIR Editor Shares Scientific Humor

By Naveen Sunkavally
ASSOCIATE OPINION EDITOR

Last Thursday, a small throng of onlookers, some more interested in chucking paper airplanes than listening, gathered in room 10-250 to hear a talk by Marc Abrams, editor of *The Annals of Improbable Research*.

Annals, which Abrams called the *Mad* magazine of science, is also responsible for putting on the Ig Nobel Prize ceremonies each October.

The evening's activities, which were sponsored by the Lecture Series Committee and the MIT Press, included a slides slide show depicting the humor typical of *AIR*. There were also reprisals of several silly theatrical scenes first performed at the Ig Nobels last year.

The most prominent theme in the slides, which displayed real research proposals submitted to the magazine, was sexual innuendo. Slides ranged from a picture of Pamela Anderson Lee straddling Barney to shots of papers with titles like "Transmission of Gonorrhea Through an Inflatable Doll," and "Rectal Impaction Following Enema with Concrete Mix."

By far the best research topic was "Monitoring Electroejaculation in the Rhinoceros with Ultrasonography," an essay which began its commentary on the topic by noting that, "Electroejaculation is hard to perform on a rhinoceros."

Topics soon veered away from sex and towards lunacy. "Spectral Receptance Properties of French Fries," "Rewarming Hypothermic Animals with Microwaves," and "Teaching Independence to

Lemmings," popped up as research topics. They were joined by projects such as "The Taxonomy of Barney," and "Infectious Diseases in Bricks."

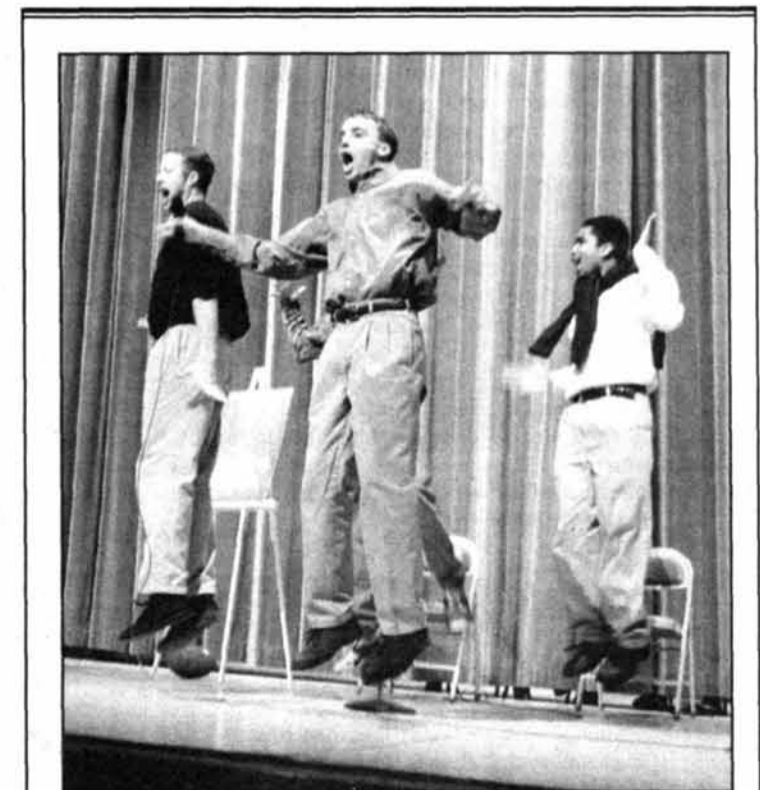
One research essay focused on "Chicken Plucking as a Measure of Wind Speed," and was written by Bernard Vonnegut, Kurt Vonnegut's brother. A slide showing a picture of Mars taken by the Hubble telescope showed a picture of Satan

grinning.

Another crowd favorite was a slide showing the odds that certain famous people could be the Antichrist. Nelson Mandela received a 8.4×10^{11} to 1 odds, while Bill Gates got an 8 to 5 rating.

The evening also included some snippets from plays performed at

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KEVIN SIMMONDS—TECHNIQUE

Robert W. Marcato G, Jeremy S. Lueck '99, and Richard S. Thompkins '98 perform the skit *Boston Institute of Rap* at the AEPH Live show on Saturday night.

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WORLD & NATION

Naturalization Overhaul Planned

LOS ANGELES TIMES

WASHINGTON

Clinton administration officials plan to unveil a blueprint for overhauling the nation's naturalization process Monday, noting that at least 369 people naturalized during an aggressive 1996 citizenship drive had criminal convictions that should have made them ineligible.

The new system, developed after a yearlong study by outside experts, would help reduce fraud, cut wait times and boost customer service, according to administration officials familiar with the plan. The total price tag for the new system remains unclear, but most of the cost would be covered by citizenship application fees, which are scheduled to jump from \$95 to more than \$200 later this year.

According to the Coopers' blueprint, prospective citizens would begin with an "eligibility work sheet" to determine basic qualifications. Under the old system, applicants sometimes went through the entire process even though they did not meet such simple requirements as the five-year residency rule.

They would take an English and civics test early in the process rather than at the end, and the results would be entered electronically into INS computers. Only after passing the test would prospective citizens get an application, have their fingerprints examined by the FBI, and be scheduled for an interview.

Throughout the process, applicants could check their status through the Internet or a telephone touch-tone voice-mail system. At every stage, they would be required to give two fingerprints; a digital photograph would also be used at the interview to prevent fraud.

Applicants would receive an appointment for the final interview in the mail and would be able to choose between getting naturalized right after the interview or waiting for a group ceremony, as is the current practice.

Clinton Urges Social Security Reform in Speech at Georgetown

THE WASHINGTON POST

WASHINGTON

In a speech to a large audience of students at Georgetown University here, President Clinton said that looming budget surpluses — projected to total \$1 trillion over the coming decade — will provide a unique opportunity to preserve Social Security for baby boomers and young people, who are skeptical the system will be there when they retire.

"This fiscal crisis in Social Security affects every generation," Clinton said. "We now know that the Social Security trust fund's fine for another few decades. But if it gets in trouble and we don't deal with it, then it not only affects the generation of the baby boomers (but) ... raises the question of whether they will have enough to live on by unfairly burdening their children."

Clinton told the students that his call for walling off future surpluses from spending and tax cuts until Congress and the administration can agree to a long-term solution to financing Social Security "should be the driving principle of this year's work" in Congress. "Do not have a tax cut," he said. "Do not have a spending program that deals with that surplus."

An administration task force is reviewing scores of proposals for fixing Social Security, but the White House is not inclined to float its own proposal until the regional hearings are over. Although experts say the Social Security trust fund won't run out of money until 2030, when baby boomer retirees overwhelm the system, Clinton said he would press for congressional action on long-term legislation.

Flamingos Wade as Peru Weeps

THE WASHINGTON POST

ICA, PERU

Peruvian fishermen were the ones who coined the term El Niño — the boy-child — because it often begins to manifest itself around Christmas. For the most superstitious here, El Niño appears to be seeking revenge on the nation that first spoke its name.

Scientists have flocked here to observe the effects. Rains have turned the country's largest desert into an instant Eden where flamingos wade in pools of water. Prairie grass and brilliant wildflowers are blooming where once there was nothing more than dunes and scrub. The higher-than-average water temperatures — about 10 degrees above normal near the coast — have driven away some kinds of fish that used to provide food for sea lions and seagulls, whose corpses litter the beaches.

Parts of the Nazca Lines, immense and ancient figures scrawled in the desert near here, have been scribbled out by the hand of El Niño. In some towns, societies of people are living on roofs above inundated streets. Reports of mudslides and flash floods have gripped the nation.

Experts say this year's El Niño is worse than the vicious one in 1983, when hundreds died and Peru's economy plummeted 13 percent. With an estimated three months more to go, El Niño 1998 already has killed 112 people here; 80 more are missing, and hundreds of thousands of homes have been destroyed or flooded.

WEATHER

Glancing Blow

NATIONAL WEATHER SERVICE

Today: Sunny. Variable winds less than 10 mph slowly increasing to 10 to 15 mph and shifting to the southeast. High 38°F (3°C).

Tonight: Mostly clear. Low 30°F (-1°C).

Wednesday: Windy with rain developing. May begin as a brief period of snow or sleet. High 47°F (7°C). Low 35°F (2°C).

Thursday: Windy with rain. High 45°F (6°C). Low 40°F (4°C).

U.S. Will Send More Troops To Kuwait to Deal with Iraq

By Paul Richter

LOS ANGELES TIMES

KUWAIT

U.S. commanders sought Monday to send as many as 3,000 more ground troops and a big shipment of gas masks to this anxious nation, where Defense Secretary William S. Cohen stopped on his swing through the Persian Gulf to build support for possible airstrikes against Iraq.

The troops, based in Fort Hood, Texas, would give U.S. forces almost a brigade of infantry in Kuwait when they arrive in the next week to 10 days. Added to 1,500 soldiers now in Kuwait and 2,200 Marines en route, the latest proposed deployment would bring to almost 6,700 the total of ground troops in the region.

The goal is to "discourage any creative thinking on [Iraqi President Saddam Hussein's] part" about attacking his southern neighbor, which he invaded in 1990, if the United States and its allies unleash an air campaign against the regime in Baghdad to compel it to allow unrestricted U.N. weapons inspections, a senior U.S. military official said.

After meetings among Cohen, the Kuwaiti emir and Kuwait's defense chiefs, a U.S. official said the administration had agreed to send a "substantial" supply of gas masks to this city, which has grown increasingly nervous about a possible Iraqi chemical or biological attack.

Cohen has been considering requests from several gulf states and Israel for equipment and medical supplies that might be needed if

there were an attack by Baghdad, which is believed capable of loading its few remaining "Scud" missiles with chemical or germ-warfare payloads.

He has not yet decided on Gen. Anthony Zinni's request for more troops. But since the U.S.-Iraq standoff began last fall, Cohen has approved nearly all requests for troops or materiel, a senior U.S. military official said.

The plans to bolster the Kuwait ground forces came four days after the Pentagon said it would send a Marine Amphibious Ready Group with 2,200 ground troops on four ships to the gulf to deter an Iraqi attack and help in any coastal rescue missions.

Monday's military developments occurred even as lawmakers in Washington slowed their rush to approve a nonbinding resolution supporting President Clinton, if he employs military force against Hussein, and new confusion dogged Russian President Boris N. Yeltsin and U.N. Secretary-General Kofi Annan about Annan's possible peacemaking role in the Iraqi standoff.

In Kuwait, U.S. officials said the added infantry units they are seeking would be deployed at Camp Doha, where the Army has amassed a cache of ready, emergency materiel — from tanks to armored personnel carriers to small arms. The two units would join a battalion that has training at Camp Doha in an exercise dubbed "Intrinsic Action."

The added ground troops would round out a force that already includes about 30,000 military per-

sonnel, two aircraft carrier battle groups and 400 warplanes. More than 500,000 troops were present in 1991 when a U.S.-led force repelled Hussein's invasion of Kuwait.

On Capitol Hill, Republican leaders still expect overwhelming approval of a resolution endorsing U.S. military action against Iraq. But Republicans also signaled Monday that they feel less urgency for a swift vote. Instead, there is a growing desire for a full discussion of U.S. short- and long-term options on Iraq.

Senate Majority Leader Trent Lott who had appeared eager for Congress to act — said he now favors taking more time to deal with the Iraq situation.

A nonbinding Senate resolution backing military strikes could come up for a vote this week, Lott said. House leaders say they will take up the matter after the Senate acts. Congressional leaders say they are working closely with the White House on the timing of the votes.

While Lott talked about nonmilitary approaches, one of the Senate's best-known veterans, Sen. John McCain, R-Ariz., called for a series of decisive military strikes.

"The only viable military option is to inflict serious damage on the Iraqi Republican Guard and destroy the compounds and 'palaces' Saddam has sought to protect," he said on the Senate floor. "Ineffectual cruise missile and airstrikes such as characterized past punitive actions, particularly in 1996 when 27 cruise missiles were launched against largely insignificant targets, will once again prove counterproductive," said McCain.

Lewinsky Scheduled to Appear Before Grand Jury Thursday

By Peter Baker and Susan Schmidt

THE WASHINGTON POST

WASHINGTON

Independent counsel Kenneth W. Starr has summoned former White House aide Monica S. Lewinsky to appear before a Washington grand jury on Thursday, forcing a climax to long and fruitless talks over whether she would voluntarily testify against President Clinton in exchange for immunity from prosecution.

A lawyer for Lewinsky, 24, confirmed the scheduled appearance Monday, but said he planned to file a motion in federal court as early as Tuesday seeking to quash the subpoena ordering her testimony. If that does not succeed, Lewinsky already has indicated that she would refuse to answer questions by invoking her Fifth Amendment right against self-incrimination.

At that point, Starr has the option of compelling her to testify anyway by asking a judge to grant her limited immunity that would bar prosecutors from using her statements to the grand jury against her but still leave her vulnerable to criminal charges based on other evidence. Lewinsky would face a contempt citation and jail if she still refused to testify about whether she had a sexual relationship with Clinton and whether he urged her to lie about it under oath.

The move to bring Lewinsky before the grand jury signalled that Starr apparently has lost patience with the young woman and her lawyers and seems less likely to ever bring her aboard as a cooperating witness. Three weeks of failed negotiations over a cooperation agreement that would give her full

immunity have degenerated into angry recriminations between Starr's office and Lewinsky's lawyers.

"She is not going to jail," her attorney, William H. Ginsburg, vowed in a telephone interview Monday. "Nobody's going to run over her constitutional rights. Nobody's going to abuse her. I'm not going to let that happen."

Even if she testifies against her will, Lewinsky could be a damaging witness against Clinton. In a proffer to prosecutors describing how she would testify if granted the full immunity she had sought, Lewinsky acknowledged a sexual relationship with the president, directly contradicting his denials both in public and under oath in the Paula Jones case, according to sources familiar with the document.

That alone could expose Clinton to a possible perjury charge. Less clear, though, is how useful Lewinsky's testimony would be for Starr in building a case of subornation perjury or obstruction of justice against Clinton or his close friend, Washington attorney Vernon E. Jordan Jr., who helped Lewinsky find a job while she was considering how to respond to Jones' lawyers herself. Lewinsky swore out a Jan. 7 affidavit denying a liaison with Clinton just as she was offered a public relations job by Revlon facilitated by Jordan.

The sources have said Lewinsky said no one urged her to lie about an affair; however, she also said she was encouraged to offer versions of events that were not true.

Ginsburg said he held out little hope for an amicable deal with Starr. "We've had no conversation since last Monday," he said. "I

would think we're heading to court."

Along with his quash motion, Ginsburg said he plans to file a motion intended to enforce what he insisted is an immunity offer made by the prosecutor last week; Starr's office does not recognize that as a binding agreement. Ginsburg said he and Lewinsky would return to Washington between Wednesday and Friday.

If she is forced to appear before the grand jury and pleads the Fifth, Starr could go ahead and prosecute her, possibly for perjury or subornation of perjury. If instead he gives her limited immunity and she repudiates the Jan. 7 affidavit, several people knowledgeable about Clinton's legal strategy have said the president's attorneys are prepared to attack Lewinsky's credibility.

In addition to changing her story, they note that Ginsburg has suggested in television interviews that Lewinsky sometimes may embellish or oversell and they plan to find other witnesses who would question her veracity. They also intend to point out any contradictions between her grand jury testimony and the secretly recorded stories she told her onetime friend, Linda R. Tripp.

To avoid relying entirely on Lewinsky, Starr and his investigators have been seeking other witnesses and physical evidence to try to corroborate Lewinsky's taped discussions. In the weeks during which prosecutors have been seeking Lewinsky's cooperation, they have obtained the testimony of several important witnesses who might back up aspects of the story Lewinsky told on the Tripp tapes.

Clinton Will Endorse Tobacco Bill With \$1.50 Cigarette Tax

By Sandra Torry and John F. Harris
THE WASHINGTON POST

WASHINGTON

The White House has decided to embrace a tough tobacco settlement bill that would impose a \$1.50-per-pack tax on cigarettes over the next three years and give the tobacco industry little of the protection from lawsuits it has been seeking.

Vice President Gore is scheduled to attend a news conference Wednesday where the bill will be formally unveiled, signaling the administration's support for legislation that would raise cigarette taxes far faster than envisioned by the president's budget.

The administration's blessing of the bill, written by a Senate Democratic task force led by Sen. Kent Conrad, D-N.D., would begin to set the parameters of the Senate debate on the complex and explo-

sive issue of a national tobacco settlement policy. Two bills introduced by Republican senators call for far smaller payments from the tobacco industry and give the industry broader protection from the massive lawsuits it is facing.

Conrad "had a choice between pushing something partisan or pushing something that had a chance of passage, and they chose the former," said one Democratic source. It's "disappointing" that they "are trying to make this a partisan issue, and ... it's not a step forward toward passing a bill this year."

Conrad was set to present the bill to Democratic senators at their weekly caucus Tuesday and has been working to rally support for the bill beyond the 21-member tobacco task force, according to Senate sources.

The bill treats the tobacco industry more harshly than the proposed

June 20 settlement between the industry, state attorneys general and trial lawyers. For instance, the industry is seeking a ban on future lawsuits by small groups of individuals or huge classes of smokers. But the Conrad bill would settle only suits brought by government entities, such as the more than 40 cases filed by state attorneys general, according to a summary of the bill.

Conrad's bill also gives the Food and Drug Administration wide-ranging authority to regulate tobacco products — broader authority than in the June 20 deal or Republican legislation. It penalizes the industry harshly if it fails to meet targets to reduce youth smoking by 65 percent in 10 years.

For the administration, it is critical that tobacco legislation pass. Clinton views passage of a comprehensive settlement as an achievement that would burnish his legacy.

Pre-Election Denial In Donation Case Shown as False in Report

By Alan C. Miller and Glenn F. Bunting
LOS ANGELES TIMES

WASHINGTON

White House officials are fearing embarrassing disclosures regarding Yogesh K. Gandhi, a California entrepreneur who had donated a whopping \$325,000 to attend a fund-raising dinner at which he gave President Clinton a bust of the legendary Mahatma Gandhi in an unusual presentation with foreign visitors.

White House and Democratic officials denied any connection between the enormous donation and the presidential ceremony. But newly obtained documents and interviews indicate that those statements were false and that key officials knew before the Nov. 5 election that Gandhi had offered the

money directly in exchange for arranging the presentation.

The records reveal for the first time how administration and party officials gave misleading accounts that helped deflect criticism of Clinton within days of the election. The documents shed new light on a debate within the White House and the Democratic National Committee over whether to return Gandhi's donation following news accounts that he had testified in court that he had no U.S. assets and owed California \$10,000 in back taxes.

The DNC cut a refund check for \$325,000 to Gandhi on Oct. 25, 1996. But it did not give back his contribution until Nov. 6 — the day after Clinton was re-elected.

Only two weeks before the election, then-White House special counsel Mark D. Fabiani said in an

interview that the Gandhi award and the \$325,000 donation were not connected. "I don't think there's any relationship at all that we've seen," he said.

At the same time, a Democratic Party spokeswoman said Gandhi unexpectedly brought the life-sized bust to a May 13, 1996, fund-raiser and arranged the ceremony with Clinton on the spot.

"He talked to no one about the presentation in advance," the DNC's Amy Weiss Tobe told The Times on Oct. 24, 1996. "The first the DNC knew of him wanting to present this to the president was at the dinner."

In fact, DNC fund-raisers John Huang and Yah Lin "Charlie" Trie knew days in advance Gandhi was coming to Washington to orchestrate the award presentation.

Storm Finishes Old California Oak

LOS ANGELES TIMES

LOS ANGELES

During the storm the old tree died, and on Sunday the people came to mourn. It was as if a relative or close friend had passed away, suddenly, unexpectedly.

Onlookers stared in disbelief and some cried at the remains of the Lang Oak, seven stories high, believed to be 1,000 years old, the grandfather of the city's oaks. The tree toppled to its death Saturday night, a victim of pounding rains.

A botanical treasure lovingly preserved off the busy concrete strip of Ventura Boulevard in the San Fernando Valley area of Los Angeles, the tree in recent decades had escaped drought and a developer's plans to bulldoze it and, with the help of nearby residents, appeared to be fighting off a deadly bacterial infection. Over the course of a millennium, it had endured wildfires, earthquakes, floods and other disasters.

"In all the years, we felt this would not be the way it'd fall apart," said Bob Kennedy, the chief forester for the Los Angeles Public Works Department. For 23 years, Kennedy cared for the tree, a California live oak, which was declared a state historic and cultural monument in 1963. In the next week, Kennedy said, biologists will slice a piece of the trunk and count the tree's rings.

As he spoke, a team of workers, one in a cherry picker, used saws to hack away at the Lang Oak's branches. Tractors hauled off people-sized pieces.

Those chunks will be going to storage, Kennedy said, to protect them from thieves while it's decided what to do with the tree's remains. Kennedy thinks some should go to schools. But all that will be figured out later, he said, "when things calm down."

Punishing rains had weighed down the oak's branches and softened the soil around its trunk. The combination made the tree too top heavy to stand.

Worm Breaks Temperature Record

THE WASHINGTON POST

In the Olympics of heat tolerance, a sea worm with a perpetually poached rear end has shattered a record formerly held by a desert ant.

More than a mile deep in the Pacific, west of Costa Rica, the Pompeii worm exists happily with its bottom simmering at 176 degrees Fahrenheit, almost hot enough to boil water, while its front end remains constantly chilled in water only 72 degrees F, a team led by molecular biologist Craig S. Cary of the University of Delaware reports in the Feb. 5 issue of Nature.

No other known higher-order animal is capable of surviving sustained exposure to such heat, and none is known to endure so wide a range of temperatures along its length, Cary said.

Bacteria are known to thrive at temperatures above 235 degrees F. (Water boils at 212 degrees F., at sea level pressures.) But among more complex organisms, the champ had been the Sahara Desert ant, which forages under a blazing midday sun in 131-degree heat. At temperatures hotter than that, it was thought, the fancy cellular machinery of higher animals becomes their Achilles heel, Cary said.

It could be the worms' coating of fuzzy bacteria that enables them virtually to sit on a hot plate all day, Cary speculated. It may be that the bacteria are insulating the worms in some way, producing protective enzymes that could lead to new drugs and other products, he said.



Graduate Student Council

Walker Memorial, 50-220 (617)253-2195 gsc-request@mit.edu www.mit.edu/activities/gsc



Night on the Town
at Rhythm and Spice

Caribbean Food and Music
Thursday, February 19th
Meet at the GSC office at 9:00 pm

FEBRUARY

- 11 Activities Meeting *
- 12 Extracurricular Activities and Athletics Meeting *
- 19 Housing and Community Affairs Meeting *
- 24 My Stint in DC: Externship Feedback *
- 26 Academics, Research, and Careers Meeting *

MARCH

- 3 MCP Board of Governors Meeting *
- 4 General Council Mtg. *

* at 5:30 PM in Rm. 50-220. All graduate students are welcome. Food is provided.

OPINION

Unify Registration Lotteries

Lotteries help determine who gets into many oversubscribed classes. Students who want to take management, physical education, and Humanities, Arts, and Social Sciences Distribution classes must enter lotteries. Also, traditionally

Editorial

oversubscribed classes like Introduction to Experimental Biology (7.02) and Design and Manufacturing I (2.007) conduct special lotteries. Given how important they are, it is regrettable that they are not more organized and uniform.

The lotteries have different deadlines and varied formats. The deadline for the HASS-D lottery was moved to January 20 this year. However, the Sloan School of Management holds all of its lotteries in early December, well before the required date for pre-registration. Multiple dates make the system more confusing than it should be and make it difficult for students to choose their classes. All the lotteries should run on the same schedule, allowing people to pick all their classes at one time.

The HASS-D lottery schedule is far more reasonable than the schedule for the Sloan School lottery. Students who want to take management classes should not be penalized for not having their schedules fully mapped out by Dec. 17. There is no advantage, for students nor faculty, in having the makeup of all lotteried classes determined more than two weeks in advance of pre-registration day.

Other lottery systems also need to be overhauled. The physical education lottery is not currently available on the World Wide Web. Athena access is required to run the lottery program. It should be possible for students to enter all the electronic lotteries from a single location on the Web. This would speed up the registration process and make registration easier for students who aren't on campus. Students should also be able to

view the results of all lottery from the web instead of having to sort through mail, execute programs on Athena, and check web pages.

The present lottery system also fails to address the standard problem that crops up every registration day: not everyone who pre-registers for a given class ends up taking it, even if he or she is lotteried into that class. As a result, even in oversubscribed classes with lotteries, there are spaces open after students complete their registration. There is no uniform system for assigning these remaining places in the class; the registrar's office generally leaves it up to the individual professor to approve students' requests to add the class.

This has unfortunate consequences. Students line up outside professors' offices and mob lecturers before class, hoping to be among the first to get their cards signed. The decision about which students get to take a class is often quite arbitrary — it all depends on which students are the fastest, luckiest, or pushiest. Many professors hold their own lotteries, which are often less organized and less fair than those held by the registrar's office. Finally, many professors don't even know how many slots are open in their classes. The current, careless system makes extra work for both students and faculty.

On registration day, students should be allowed to enter second-chance lotteries for oversubscribed classes. This lottery would allocate the spaces vacated by students who were lotteried into an oversubscribed class but who chose not to take it. These lotteries should be run by the registrar's office, to ensure that they are fair and uniform.

MIT's current system lottery is disorganized, difficult to use, and unfair. An integrated lottery system would go a long way toward eliminating the profound problems with the current, jury-rigged system.

The Texas Cattle Industry Image vs Reality



Opinion Policy

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

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

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days before the date of publication.

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

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“What About the Dardanelles?”

A Historical Battle Tells Against Air Strikes On Iraq

Anders Hove

On February 25, 1915, the British Navy opened up its bombardment of the Turkish forts along the Dardanelles. The British line of command fervently believed that the Dardanelles could be forced, and Istanbul captured, “by ships alone,” to use First Lord of the Admiralty Winston S. Churchill’s expression at the time. While the commander at the scene of battle, Admiral Sackville Carden, ordered minesweepers to clear the Narrows for his ships, the Admiralty and Foreign Office were giddily preparing for the imminent conquest of Turkey.

By all accounts Turkey’s surrender did seem imminent: Intelligence reports indicated that ammunition at the forts along the straits was down to a mere handful of shells, and that the forts themselves were undermined by ill-trained, ill-armed troops. “I’ll go through tomorrow! Tomorrow!” bragged First Sea Lord John Arbuthnot Fisher upon reading these reports.

The British weren’t the only ones confident of Turkey’s defeat. The Turkish government ordered its capital evacuated, and began preparing for a forced retreat into the Asian hinterland. Bridges were mined and government documents destroyed. A mass exodus of civilians had already begun.

But it was not to be. After just over a week of naval bombardment and minesweeping, the effort to take the straits by means of naval operations was doomed. Ship after ship struck mines and went to the bottom, with horrendous loss of life. Admiral Carden was replaced after what appeared to be a nervous breakdown, and his successor, Admiral John de Robeck, widely believed to be a man of the most resolute character, also showed signs of spent nerves. The attack was called off. In London, members of the War Cabinet scrambled for political cover, firmly denying they had ever thought the Dardanelles could be forced by ships alone.

Meanwhile, the Turks sought assistance from the Germans, reinforced the peninsula, and returned their government to the Sublime Porte in Istanbul. Britain’s attempt to force Turkey’s surrender by ships alone was over.

The Dardanelles attack was doomed in part by tactical errors and a lack of resolve. But the fundamental problem had been identified earlier by General Ian Hamilton: Ships cannot occupy territory, and they cannot by themselves compel the enemy’s political capitulation.

The State and Defense Departments would do well to learn the lesson of the Dardanelles. The United States and its allies stand prepared to strike Iraq with a force of nearly one thousand aircraft equipped with the most sophisticated ordnance ever invented. Cruise missiles have shown themselves able to inflict relatively precise damage on targets hundreds of miles distant. The record of the Gulf War shows that aircraft have the capacity to inflict horrendous damage on Iraq’s infrastructure.

Let the record also show, however, that previous air strikes have not brought about any form of political capitulation from Iraq. In the Gulf War, ground forces were required to take Kuwait. Since then, No-Fly Zones and isolated air strikes have impelled — but not forced — Iraqi President Saddam Hussein to make temporary concessions. But those con-



The British line of command fervently believed that the Dardanelles could be forced, and Istanbul captured, “by ships alone.”

cessions have proven remarkably easy to withdraw once the threat of air strikes has receded.

We have every reason to believe that as long as Saddam Hussein remains in power, Iraq will continue to work on weapons of mass destruction. Thus, as long as he remains in power, the United States will remain committed to conducting inspections in Iraqi territory. In the Arab world, the continual violation of Iraq’s sovereignty on the part of the United States and its allies is, if not an insult, at least a source of discomfort. As long as Saddam Hussein remains in power, the sanctions will remain in force,

American relations with Arab and European countries, not to mention Russia, will be strained, and the world will be deprived of economically-crucial oil reserves. Last but not least, as long as the current policy remains in force, the Iraqi people continue to suffer.

There are only three ways to avoid these unpleasant eventualities, and all three are political: first, Saddam Hussein could open his country once and for all to unconditional inspections, cooperate fully with them, and never harass inspectors again; second, the United States could withdraw its insistence upon inspections; or third, the government of Iraq could change, one way or the other.

At present, there are few who would point to the first two possibilities as in any way likely. While Russia and France may urge some sort of compromise between the two, indefinite continuation of sanctions and temporary accession to U.S. demands would seem to be the outcome if that course is followed.

Despite the unpalatable nature of this outcome, the United States has been slow to look toward the third option: removing Saddam Hussein from power. After all, President Bush called a halt to the Gulf War after 100 hours of ground fighting. Ground troops were removed and victory was declared, and indeed, we had liberated Kuwait and no other objectives were on the table. It was only later that protecting the Kurds and Southern Iraqis came to the fore, and by that time policy inertia had already set in.

There is also the issue of the Gulf War alliance: Would our erstwhile allies support a push to take out Saddam? The diplomatic situation is doubtful at best, with France and Russia objecting to even air strikes.

Given the lack of coalition support and dearth of ground forces, the United States is rapidly falling back on the air strike option. This time, Defense Secretary Cohen tells us, it strikes will be massive, comprehensive, and overwhelming.

The Dardanelles lesson tells against such a strategy. Air strikes cannot occupy territory, and they cannot force a permanent political capitulation. At the end of the day, Iraq may back down, allow inspections for a while, and once the pressure disappears we’ll be right back where we started. A few years will pass, and the coalition will be weaker than ever.

A shooting war, as unseemly and perfidious it may seem after so many years of putting up with Iraq’s shenanigans, may be the best option we have left. After all, our objectives have changed since the Gulf War. Ultimately, our goal is not just to see Iraq destroy its weapons, but to stand down and remove our forces from the region. These objectives cannot be reached by air strikes alone.

more equitable to allow MEng students to make use of campus housing.

There is another reason to allow MEng students to use graduate housing. The MEng degree, at least in Course VI, allows students to finish their requirements earlier than students working towards a Masters of Science degree. The minor burden that MEng students place on the graduate housing system is offset by the fact that MIT will spend less on their educational expenses for an identical benefit to the student. It also seems foolhardy to deny housing to the graduate students who will use it for the least amount of time.

Also, pushing MEng students out of Institute housing would alienate them significantly. An MIT senior has spent almost four years of his or her life contributing to the community and footing the Institute’s bill through major tuition payments. Kicking these students out of the dormitory system would leave them with a bitter taste in their mouths, and this may have a strong, negative impact on those individuals’ donations as alumni.

Providing MEng students campus housing is the only sensible thing to do. Not only does this benefit support the efficiency and validity of the MEng degree, but it also helps many students cope with the financial burden of paying tuition. Denying students the privilege of graduate housing would only serve to worsen student satisfaction and would cause significant harm to the Institute.

Root for The Boys of February

Dan Dunn

It is the second week of February. For most people, especially most MIT people, that doesn’t mean anything. But for baseball fans, it means that the season is finally beginning.

Pitchers and catchers are reporting to training camps all across the Sun Belt. A couple of weeks after that, the positional players start working out. And then exhibition season begins, and just as soon ends.

When you look at it that way, the first week of April seems just around the corner.

What does the start of the season mean? More *SportsCenter* to watch. More box scores to pore over. Media books and stat sheets. It means a green world of peanuts, leather, and cheers.

Baseball fans have endured the last few months by participating in the “hot stove league.” That’s where you sit next to the woodstove and discuss what trades should or shouldn’t have been made, what contracts should be offered and demanded, what could have been, and what is going to come next season. It passes the time between games, but the real thing is so much better.

For me, there are few things as thrilling as the first game of the season. I walk through the underground bunkers of hotdog, pretzels, and souvenir shacks. I walk up the stairs, and step into a sunny world that takes my breath away.

The grass is far greener than any lawn ever was. The infield is closer than on TV. The Green Monster looms over the scene, with its vintage, manually-operated scoreboard. The air smells of vendors’ foodstuffs. The crowd murmurs and yells around me. It is an experience for all of the senses.

If you have never been to Fenway Park, or worse yet, a baseball game, you have to go at least once. Fenway is a gem, and there are none greater. Not going to Fenway is like skipping the Grand Canyon when you are already within a mile.

I am not just a baseball fan. I am a Red Sox fan, one of the diehard caliber — I even subscribe to *Diehard* magazine. There are bigger fans than me, but you have to look for them. Almost every year I predict, “This is the year!” This year, I can even defend the statement.

The Red Sox bought themselves some serious starting pitching with National League Cy Young winner Pedro Martinez. The bullpen has improved dramatically, because of the subtraction of Heathcliff “The Arsonist” Slocumb, if for no other reason.

The infield is one of the best in baseball, from Valentin to Garciparra to Frye to Vaughn. The outfield is our weakest part, but Buford and O’Leary are a great starting point. When you add it all up — a mere \$50 million.

Last week I went to Fenway and bought my first installment of tickets. I spent almost \$400, and that covers me until June 3. I bought tickets for eight games, with between two and six tickets for each game. I figure that I am doing my part to defray the team’s annual outlays.

I make these bulk purchases a few times every season. I send out some e-mail about my extra tickets a few days beforehand, wait for responses, and meet before the game for dinner. I get to see a lot of games and I get to spend time with my friends.

I only buy bleacher seats, the cheap ones. They are a little farther away from the plate, but they feel just as close to the field. The best part about the bleachers is the people you sit with. They are not the boring suits, out to entertain a client. The crowd is raucous and into the game, and not afraid to voice its opinion.

If you have never gone to a game, Patriots Day is a great choice. It is the only 11 a.m. start in baseball. The game is almost always over before 2 p.m. Then you just walk a few hundred yards down to Kenmore Square and watch the Boston Marathon.

So, all you fans out there, take heart. The beginning is close. The rest of you, hang on and listen to us cheer, because this year is the year. And if you have never gone to a game, give me a call. I have a few extra tickets.

An Appropriate Designation

MEng Students Deserve Their Status as Graduate Students

Venkatesh Satish

Recently, there has been discussion in *The Tech’s* pages about the Master of Engineering degree and its implications for student life at the Institute. In particular, Brett Altschul ’99 commented in a column [“Mastering an Undergrad Program”] that MEng students should not be classified as graduate students and suggested that undergraduates deciding to pursue the MEng degree be housed off campus.

Altschul argued that the structure of the MEng degree shows that it is only an extension of an undergraduate program and that it is not a valid graduate degree. He cited the fact that many MEng students attain their degrees simultaneously to illustrate his point further. He also claims that providing housing for these students places an unnecessary burden on the graduate housing system and deprives “real graduate students” of campus housing.

This point of view, which is shared by a growing number of students, concerns me because it ignores some key facts and is based, to a degree, on unsubstantiated generalizations. As a senior in the Department of Electrical Engineering and Computer Science, I have learned a great deal about this department’s MEng program from informational sessions and the various personal situations of my peers.

While it is true the MEng degree is not a garden variety graduate degree, it certainly is a graduate experience in that it requires students to take advanced courses and write a thesis. The initial philosophy behind the program was that it would integrate the undergraduate and graduate curricula, give students more flexibility in choosing courses, and allow for greater efficiency in the use of department resources.

Unfortunately, the Institute’s policies prevent many Course VI students from earning their bachelor’s degree on time without sacrificing the efficiency gain. For example, earning the bachelor’s would force some students to meet all of their graduate requirements after earning the undergraduate degree. This explains the large number of students who choose to earn the bachelor’s and master’s degrees simultaneously.

In addition, forcing students out of campus housing after four years may seem equitable from a certain perspective, but there are a host of other issues that need to be considered. For example, many MEng students pay tuition, and the cost of renting an apartment may prove to be an excessive financial burden. Most other graduate students have assistantships that cover tuition and offer funds to cover costs of living. The EECs department notes that MEng students are often at a disadvantage when it comes to securing an assistantship. Considering this burden, it does seem

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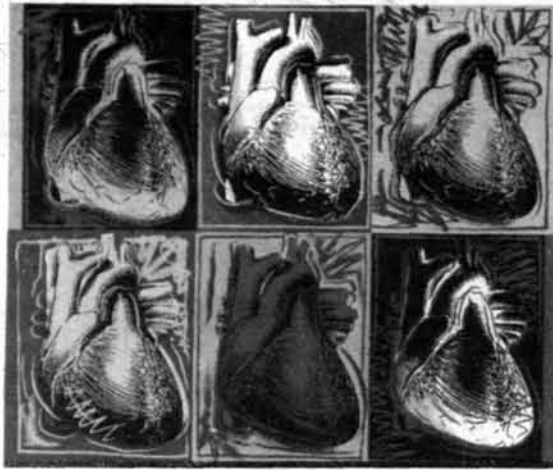
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Information

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Find Free Love and Valentine's at www.studentadvantage.com/qpid Impress your sweethearts, friends and family with Internet savvy! And at the same time win a romantic trip for two to Paris!

The deadline to apply for on campus summer and fall 98-99 vacancies in family and single graduate student apartments and dormitories is 5:00PM on Friday, February 27, 1998. On March 1, 1998 there will be a housing lottery for the 98-99 academic year. Applications are available in Graduate Housing in E32-133, and must be returned by the deadline to the same office. Any questions, call 3-5148.

TUTORS WANTED! The BELL Foundation is recruiting outstanding college and graduate students to work as paid tutors in our after school program. If you want to help Black children excel, contact us at 868-1000 x220.

On campus representative needed to distribute to labs etc. catalogs for MIT vendor of tools, industrial and shop equipment. No selling required. Details, Eddie, 617-492-6666, Fax 617-242-8067, edcalling@aol.com.

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

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MIT OCSA
On-Campus Interview Date:
March 2, 1998



GSC Meeting Minutes

At their Feb. 4 meeting, the Graduate Student Council met to hear reports from the GSC Funding Board and other committees.

The Funding Board meeting took place on Feb. 3. The Board awarded approximately \$11,000 to about 30 student groups.

The Orientation Committee reported that a proposal to revamp the Graduate Orientation picnic has been submitted to Senior Associate Dean for Graduate Education Isaac M. Colbert.

Planning has also begun for the fourth annual Formal Ball, which will be held on the cruise ship *Spirit of Boston* this year.

The Housing and Community Affairs Committee announced new class ring prices for the spring semester, following three years of negotiations. Prices will now be similar to undergraduate ring prices.

The HCA Committee also started an initiative to investigate the benefits of the MIT credit union over commercial banks.

The Academics, Research, and Careers Committee reported a successful first Independent Activities Period Externship program. Also, the second application period of the Travel Grant program closed Friday, Feb. 6.

The GSC passed two resolutions at the meeting. The first resolution established an alcohol policy for the GSC. It states that "the GSC should not attempt to ban alcohol use for the members of the graduate community that are of legal drinking age. However, GSC events and policies should encourage responsibility while consuming alcohol." The second resolution encourages diversity at the graduate level.

A new resolution was offered, opposing the placement of graduate resident tutors in Fraternities, Sororities, and Independent Living Groups until the responsibilities of the position are more clearly defined. A vote on that resolution will take place at the next general meeting.

The text of all the resolutions is available at the GSC web site at <http://www.mit.edu/~gsc>.

Nominations for next year's officers will open at the next Council meeting on March 4, 1998.

SOURCE: GSC PRESIDENT GEOFFREY J. CORAM G

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ADRIANE CHAPMAN—THE TECH

Lauren Erb '01 and Elizabeth Krams '00 from the Women's Swim Team race Delta Upsilon and Number Six in the inner tube relay. "Race the Women's Swim Team" was held on Sunday as a fundraiser for the American Cancer Society.

Abrams Recalls Ig Nobel Foibles

Improbable, from Page 1

the Ig Nobel ceremonies. Actors performed two acts from "Il Combune Grosso." In this story, God, while trying to break his smoking addiction, creates the universe through the Big Bang with one last smoke of his cigar.

A scene from "Lament del Cockroach," was also performed. The musical centered on the efforts of various insects, played by sheepish audience members, to carry on their lineage when faced with approaching extinction by mating with a cockroach.

Abrams also recounted incidents that happened at previous Ig Nobel ceremonies. He mentioned how one man spent time feeding coffee beans to palm civets. He recovered the beans from their droppings and created the world's most expensive coffee. This "fresh, steaming coffee," called Luac, was fed to unsuspecting authentic Nobel Laureates at the Ig Nobels.

In another incident, Abram recounted how a man who had written a paper on "The Effect of Onions, Garlic, and Sour cream on the Appetite of Leeches," flung leeches to an audience at the Ig Nobels.

Another man apparently studied the life cycles and inner workings of cat ear mites by placing them in his own ear for a some months.

The evening on a surreal note with two strange people painted in silver holding lit flashlights above Abrams' head.

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Entree

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If you don't stop someone from driving drunk, who will? Do whatever it takes.

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This space donated by The Tech

Elaine Chew G performs Chinese and French piano music in "Impressions From The East," a concert held Monday evening in Killian Hall. The accompanying photographic exhibition, which features scenes from Beijing, will be in the Wiesner Student Art Gallery until Feb 28.



CORNELIA TSANG—THE TECH

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It can also help you reduce your weight.

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Eat plenty of fruits and vegetables rich in vitamins A and C—oranges, cantaloupe, strawberries, peaches, apricots, broccoli, cauliflower, brussel sprouts, cabbage. **Eat a high-fiber, low-fat diet that includes whole-grain breads and cereals such as oatmeal, bran and wheat. Eat lean meats, fish, skinned poultry and low-fat dairy products. Drink alcoholic beverages only in moderation.**
 For more information, call 1-800-ACS-2345.



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MIT Information Systems

Mac and PC Fans! Here's a Great Student Job at MIT

The Computing Help Desk is now hiring student consultants to provide telephone, walk-in, and on-line support for the MIT community during business hours (9-5). Training begins February 24th. A **mandatory orientation session** for interested candidates will be held from 5:15-6:45 PM on Tuesday, Feb 10th in room 3-190.

If You:

- ...are comfortable with...
 - Macintosh or DOS/Windows
 - some major applications and utilities
 - electronic mail
 - on-line resources
 - MITnet
- ...and you can...
 - communicate well
 - handle crisis situations
- ...and you enjoy...
 - working with people
 - teamwork
 - troubleshooting problems
 - getting to the bottom of things
- ...and you are...
 - reliable
 - bright
 - friendly
 - determined

The Job:

- ...includes 7 hours or more per week of:
 - troubleshooting cases over the phone
 - providing help for walk-in clients
 - attending weekly training meetings
 - developing on-line resources
 - mentoring new student consultants
 - TA-ing computer training classes at MIT
 - helping with equipment diagnosis
 - providing "housecalls" for clients
- Benefits include...
 - lots o' perks
 - competitive salary (starting at \$8.00/hr)
 - access to lots of equipment and software
 - a fun group of coworkers
 - attendance at local computer exhibitions parties!!!
- Preference will be given to those who can work mornings.

If you are interested in a position with us, please bring the following to the orientation session, and be ready to take a short technical test:

- 1.) Your name, contact info (phone numbers, address, etc.), and date of graduation.
- 2.) Names and phone numbers of at least 2 references. (preferably employers or faculty)
- 3.) Your up-to-date resume.

Direct any questions to Alicia Allen, helpsuper@mit.edu

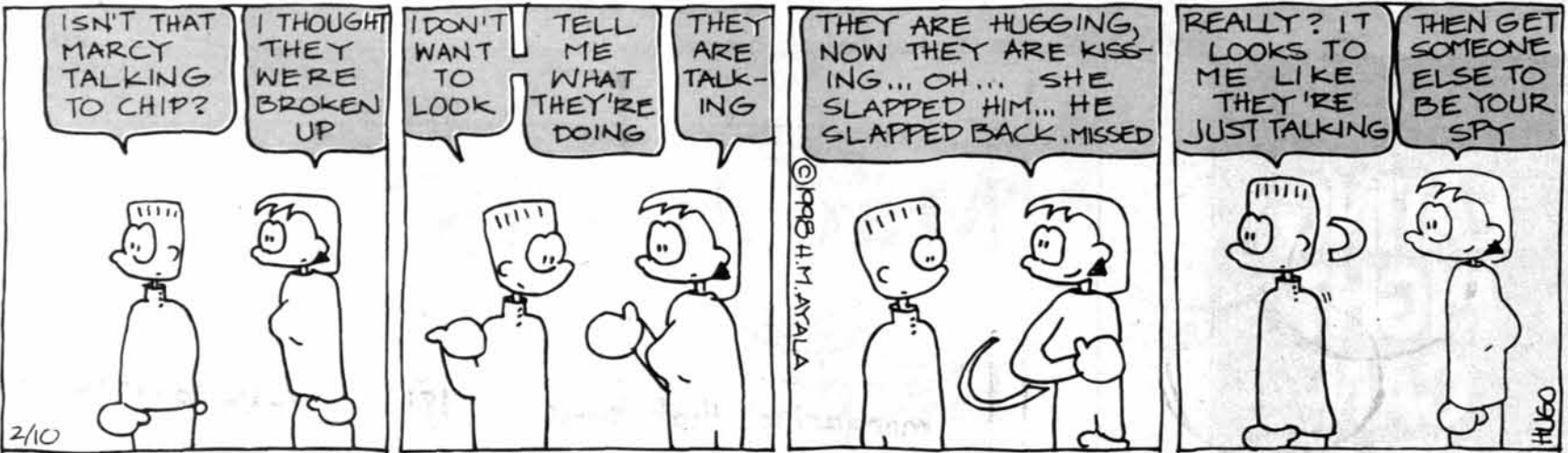
damned for life

by Jessica

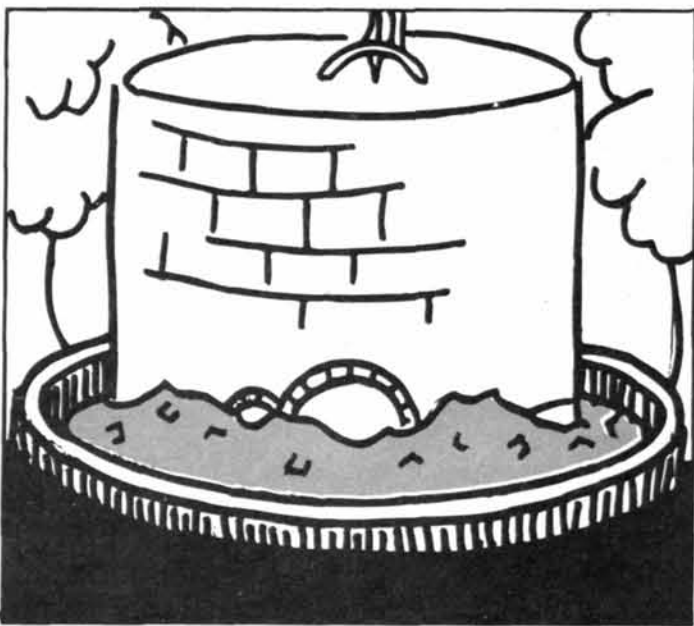


Off Course

by Hugo



Perhaps...



... Someone will fill the pot with Jello®...

By Jennifer DiMase



Want to see the full picture?

Join The Tech Production staff and read Dilbert® and the rest of the paper before your friends do! Stop by Room 483 of the Student Center or call us at 253-1541 and ask for Josh.

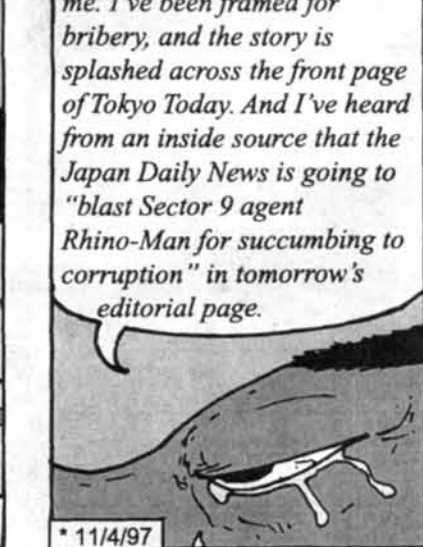


RHINO MAN



THE STORY SO FAR: When Rhino-Man found a mysterious briefcase full of money outside his home, he was unaware that he was being photographed. Now, those photos are gracing the newspapers, under the headline "Bribery"!

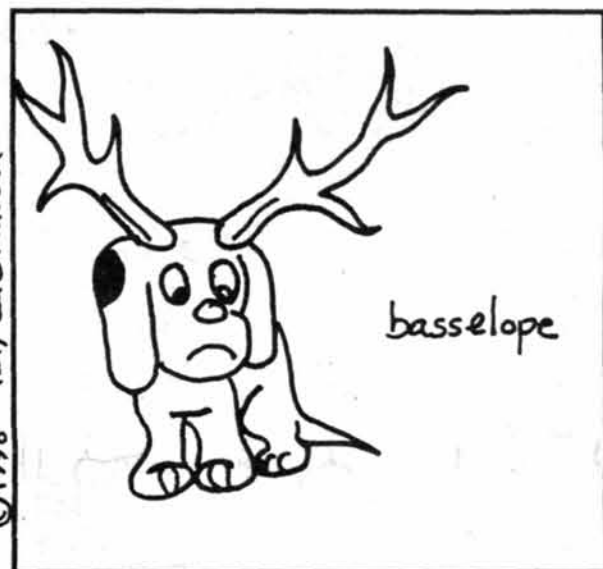
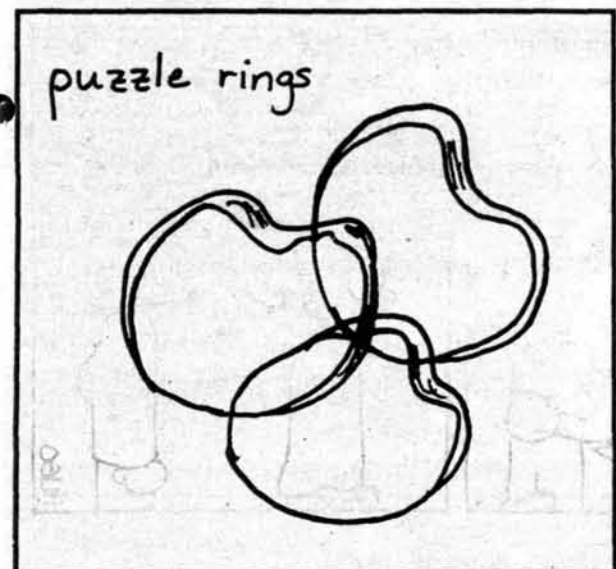
by Zachary Emig



Next Issue: The threat

Noun Poetry

by Katy-Cat



connection
vision
passion
intelligence
enable
results

even

in botswana.

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ACROSS

- 1 Gastropod
- 6 Jamaican music
- 9 Group
- 14 Other, Fr.
- 15 1 word question
- 16 Aghast
- 17 4 in a month
- 18 Masseur need
- 19 Take five
- 20 Rabbit's foot
- 22 Droop
- 24 Skim
- 26 Tape, abbr.
- 29 Not in the house
- 32 Texture
- 35 Before
- 36 Opal or diamond
- 38 Fastening brads
- 39 Chicks first home
- 40 Norma
- 41 King Cole
- 42 Pad again
- 45 Historical period
- 46 Mortification
- 48 Resolute
- 50 Palindromic vehicle for Andretti
- 52 In one's right mind
- 53 Salk Institute architect
- 54 High school math subj.
- 56 Perched
- 57 Gardening tool
- 61 Promise
- 63 Recorder

- 68 Sanctuary
- 69 Peron
- 70 "The Cream"
- 71 Put forth
- 72 Stool pigeon
- 73 Of the kidney

DOWN

- 1 Cutting tool
- 2 17th letter
- 3 Utah Indian
- 4 Anger
- 5 Hopelessness
- 6 Place 3rd
- 7 Japanese fish
- 8 Picks
- 9 Good deal
- 10 Mature
- 11 Himalayan resort
- Naini
- 12 IRS employee
- 13 Spell
- 21 Conjunction
- 23 Play part
- 24 Disgraces
- 25 Levine's "band"
- 27 Liège, e.g.
- 28 Popeye's catalyst
- 29 Madame Butterfly, e.g.
- 30 Pushed
- 31 Bird
- 32 Smudge
- 33 Peruvian animal
- 34 Methyl acetate, for one

by Anthony R. Salas

- 37 Aural organ
- 43 Organization of Dr.'s
- 44 Non-related topic
- 46 Spread out
- 47 Lays 39-Across
- 49 Society page word
- 51 Alias
- 55 Finished
- 56 Police paramilitary unit
- 57 Pronoun
- 58 Romana
- 59 Road, abbr.
- 60 German article
- 62 Many 39-Across's
- 64 Beer variety
- 65 Safety or straight
- 66 Greek letter
- 67 Confederate Gen.

PUZZLE SOLUTIONS

T	V	N	E	R	R	E	A	T	R	A	T	E	R	E	X	E	R
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Trivia Corner Presidential nominees

According to the U.S. Constitution, only a "natural born citizen" of the United States may become president. In 1968, George Romney, founder of American Motors Corp. and then governor of Michigan, unsuccessfully sought the Republican nomination for president. Though born in Mexico, Romney's claim to be a "natural born citizen" went unchallenged because he was a U.S. citizen from birth — his Mormon

parents were U.S. citizens who had fled religious persecution in their own country.

Who was the last major-party presidential nominee who was not born in any state of the U.S.A.?

This week's winners will each win two LSC movie tickets and one large tub of popcorn, courtesy of LSC.

Showing this weekend:

Friday 7:30 p.m. in Room 10-250

The Odd Couple
Friday 7 and 10 p.m., Sunday 7 p.m.
in Room 26-100

The Game
Saturday 7 and 10 p.m., Sunday 10 p.m.
in Room 26-100

A Life Less Ordinary

Send your answer to trivia@the-tech.mit.edu by 3 p.m. Wednesday. Two random drawings from all of the correct entries will be held to determine this week's two winners.

This feature was brought to you by the CAC Program Board. Today's factoids are by the MIT Quiz Bowl team. Members of the quiz bowl team are not eligible.

Turn the page for more comics.

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Thurs-Fri • Mar 5 & 6
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Our on-campus interview date at MIT/Wellesley is Monday, March 16th. Submit your résumé, including GPA (3.6 or above) and SAT score (1400 or higher) to MIT Career Services by noon on Monday, March 2nd. For additional information, contact us at:



Free Internet E-mail

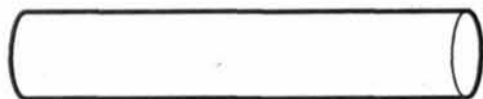
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HOW WOULD YOU SOLVE THIS ONE?

1

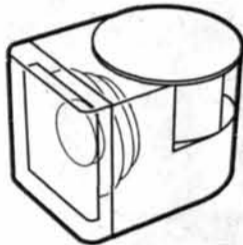
FIT THIS TUBE



- 4" long.
- 3/4" inside diameter.
- This tube will serve as a loud-speaker port.
- The cross-sectional area must remain within 2.5%.

2

INTO THIS ENCLOSURE



- 2 1/4" H x 2 1/4" W x 3 3/16" D.
- The port – along with the transducer – must be fully enclosed in this space.

3

WITH THESE CONSIDERATIONS

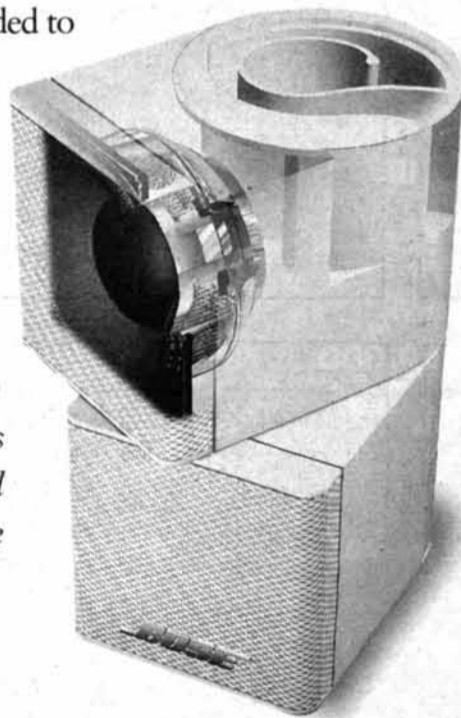


- Air will travel through this port at peak speeds exceeding 150 mph.
- Audible port noise must be completely eliminated.
- The more volume used by the port, the less efficient the speaker becomes.

While bending the tube would allow it to fit inside the cabinet, any bend – even a slight one – would create uneven airflow. And with the air moving at such high velocity, avoiding unwanted port noise was a constant challenge. The extreme precision needed to engineer the contours of the folds required meticulous research involving mathematical models, computer simulations and prototypes.

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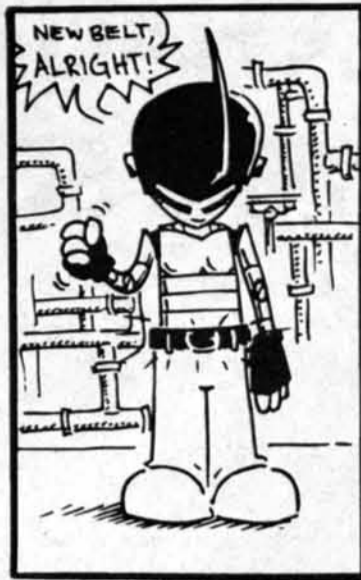
ON-CAMPUS INFORMATION SESSION – MONDAY, FEBRUARY 23, 7:30 - 8:30 PM. ROOM 6-120.

INFORMATION SESSION AND TOUR AT BOSE – TUESDAY EVENING, FEBRUARY 24, THE MOUNTAIN, FRAMINGHAM.

ON-CAMPUS OPEN INTERVIEWS – WEDNESDAY, FEBRUARY 25, REGISTER AT THE MIT CAREER OFFICE.

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BARTHOLEMEW SQUEAK



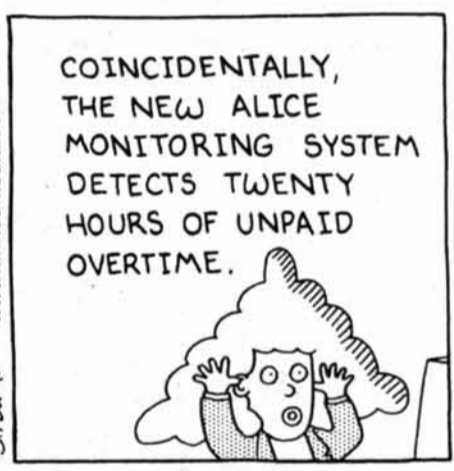
HELLO THERE, MY NAME IS SOLAR AND I HAPPEN TO BE THE CREATOR OF THIS HERE COMIC BARTHOLEMEW SQUEAK. NOW I REALIZE THAT THE STRIP FOR THIS ISSUE HAS A PUNCHLINE THAT MAY BE CONSIDERED POLITICALLY... INCORRECT. SO, IN THE INTEREST OF PRESERVING MY FAN BASE (TWO PEOPLE), I HAVE DEVISED ALTERNATE PUNCHLINES TO STAY ON EVERYONE'S GOOD SIDE. JUST CUT AND PASTE!



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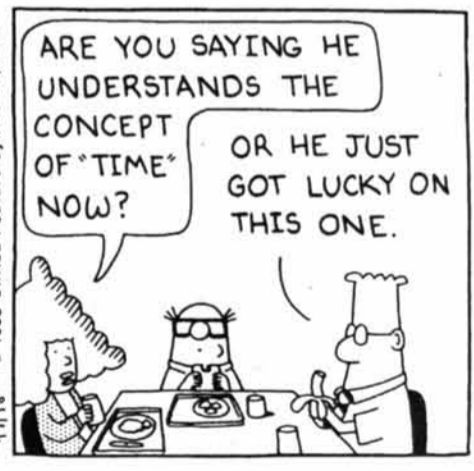
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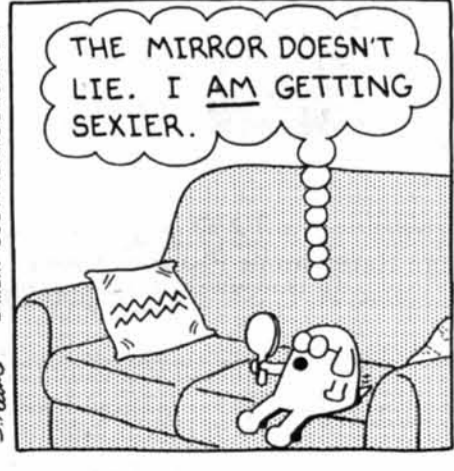
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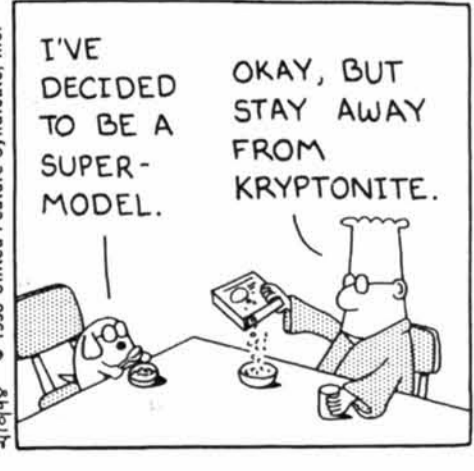
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Famous Hacks Are Students' Legacy

TBP, from Page 1

ed in the middle of the football field. The hack was so successful, it overshadowed two other hacks at the same football game — in one, MIT band members pretended to be the Harvard band and managed to play the MIT fight song on the field; in the other, cards were distributed to members in the crowd which, when flipped over, spelled "MIT." "Hacking is to MIT what football is to other schools," Keyser said.

Hacking and IHTFP are related

Keyser points out that the acronym "IHTFP" has been integrated in many hacks. The police car on the dome had the license plate "IHTFP"; the 1995 class ring has the date "IHTFP" instead of the usual Roman numerals on its picture of the great dome. He suggests that the two are intertwined.

"When I was associate provost," Keyser said, "faculty would come

up to me and ask, 'If students hate this fucking place so much, why do they stay in this fucking place?' and I would say, 'Watch your language.'"

Hacks are intended to debut authority and MIT, he said. Students share the value system of the faculty, and students want to do what the faculty does, but better. And at the same time, said Keyser, students are learning that they aren't as good as they think they are.

In that way, according to Keyser, hacking serves the same function as living groups — "to get away from the strain of being a student" and to relieve the student. Hacking brings the Institute down to size, he said.

"The MIT hacks are a highly refined tradition," Keyser said. "Hackers perform for the student body."

Dinners encourage discourse

"The Leonardo dinners have interdisciplinary thinking we need to bring back," Vest said. "I salute students for their foresight in developing this series."

This semester's Leonardo dinners will feature many professors with a variety of topics, such as Robert Birgenau, dean of the school of science ("Why physicists can't figure out how superconductors superconduct") and Professor of Materials Science and Engineering Linn Hobbs ("The Science and Engineering of Fine Wines.")

The Leonardo dinners began last year to foster "a spirit of liberal culture" at MIT. They are a means by which faculty-student interaction can be promoted, and the intellect stimulated, said TBP President Panayiotis I. Kamvyselis G.

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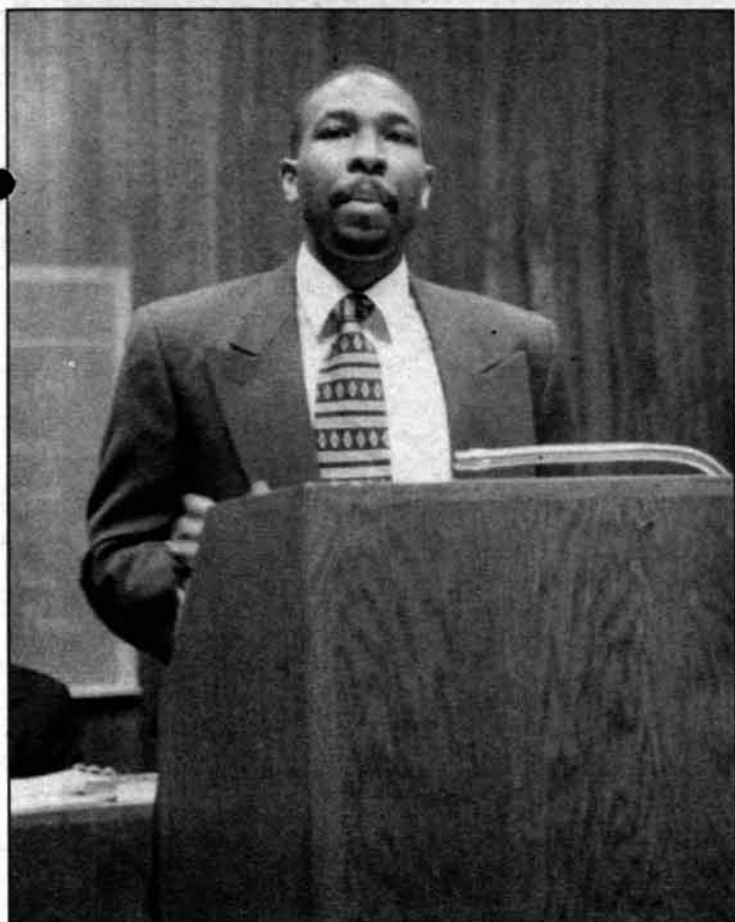
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are too many of
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Carter Criticizes the MIT Administration



RITA H. LIN—THE TECH

Undergraduate Association president Dedric A. Carter '98 gave his state of the UA address last night at last night's meeting. He announced a new \$40,000 grant for student activities.

UA, from Page 1

that there was an undergraduate majors guide in the works and noted that last weekend's ski trip and the continuing MIT/Logan Shuttle had proved very successful.

Carter criticizes administration

Carter called for the MIT administration to engage in "Shakespearean Decision Making," saying that administrators should "determine what is to be and what is not to be."

The picture needs to be better defined, said Carter. He also spoke

out against the tendency to create multiple committees to study the same idea, saying that additional steps tend to distort the original intent. "If I have an idea," said Carter, "I want to see it through to its implementation. You lose something in each translation."

Finally, Carter announced that he has established regular office hours at 1 p.m. on weekdays, except Thursdays. Additionally, the UA is implementing a World Wide Web-based electronic voting system and a new public service award to be given to a MIT student.

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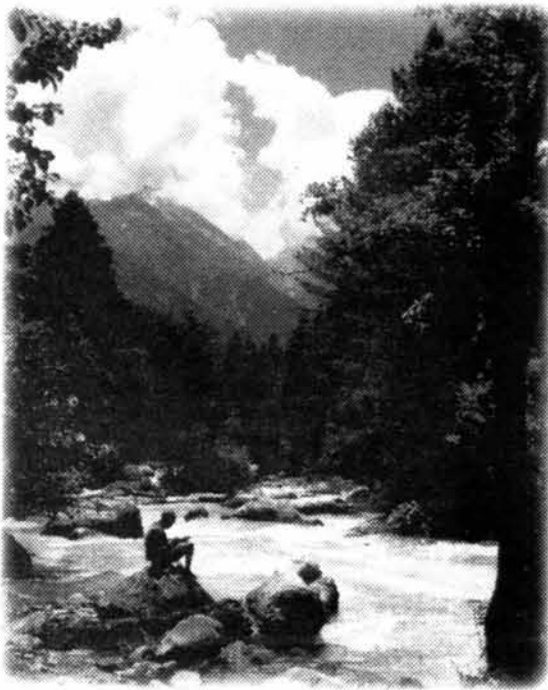
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SIGNING • THURSDAY, FEBRUARY 12, 12 NOON

Stephen Alter

All the Way to Heaven

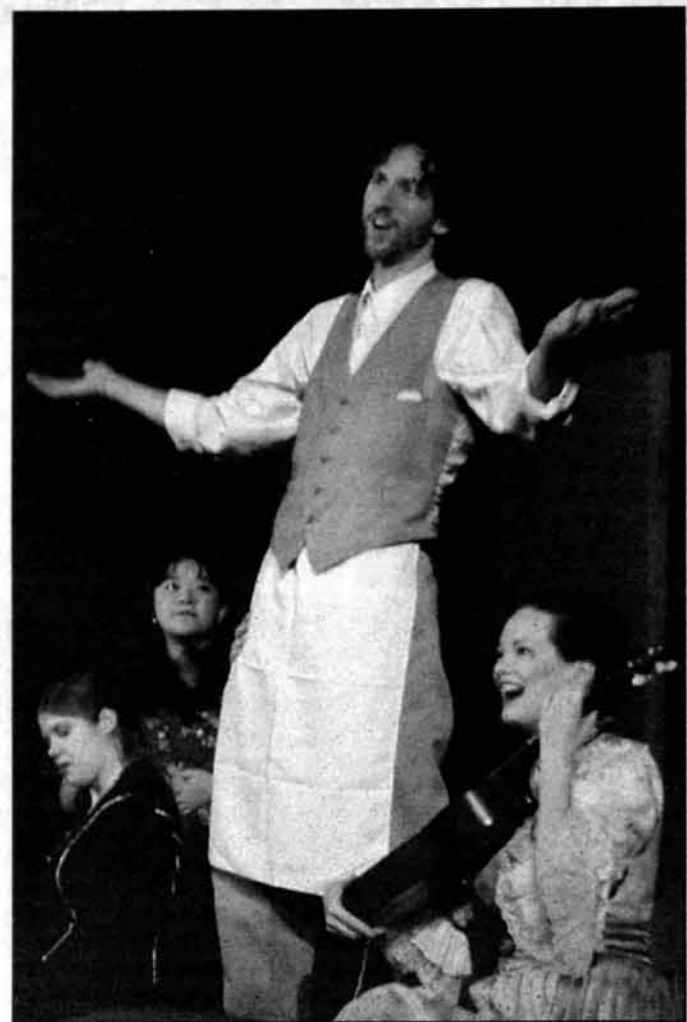
AN AMERICAN BOYHOOD IN THE HIMALAYAS



When Stephen Alter is asked the simple question *Where are you from originally?* he hesitates. Although seemingly "all American" but for his slight British accent, Stephen Alter was born and raised in India, in a hill station called Mussoorie, seven and a half thousand feet up the Himalayas. The son and grandson of Presbyterian missionaries living in India for more than half a century, Stephen Alter straddled the profound boundary between the utterly different peoples, cultures, languages, and religions.

In *All the Way to Heaven*, Mr. Alter pays a loving tribute to his family, his Indian friends, his memories exotic and mundane, and to an upbringing in a land so far away.

MIT professor Stephen Alter will sign his new book, *All the Way to Heaven* on Thursday, February 12 at 12 Noon at the MIT Coop.



AMY YEN—THE TECH
Bryan Gick sings in his defense in the Gilbert and Sullivan Players' production of "Trial by Jury" held in Walker Memorial last weekend.



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Urban Integrated Sloan with Other MIT Departments

Urban, from Page 1

News & World Report business school rankings. In that same year, 93 percent of students said they would recommend the program to someone else, up from 73 percent polled the year before. Urban also implemented a new Master of Business Administration core curriculum during his tenure.

Over the past five years, student enrollment in the MBA program has increased from 220 to 350 per year and the number of applications to the school increased from 1600 to 3300. The percentage of admitted students who chose to attend MIT increased from 60 to 75.

This past fall, Sloan launched two international MBA programs in collaboration with China's top universities, Fudan and Tsinghua.

The Sloan faculty numbers 84, an increase of 10 from five years ago. The school hired 19 new faculty members in the last year. The number of full professorships at Sloan has also doubled in the years that Urban has served as dean.

Interdisciplinary programs added

As it continued its rise to the top, Sloan continued its integration with MIT's other schools. This ran contrary to the trend among other premier business schools, which tried to maintain their autonomy. Urban created a joint degree program with the School of Engineering in System Design and Management. The Leaders for Manufacturing Program was another initiative, aiming to bring Sloan and the School of Engineering together in a mutually beneficial way.

The MIT Entrepreneurship Center also expanded during Urban's tenure. The center has placed over 150 students as interns in start-up firms. One third of the students are not enrolled in Sloan, Urban said. The center is "aimed at all MIT students," he said.

In addition to these interdepartmental efforts, "many new joint research programs with engineering and science are now underway and provide" opportunities for students seeking Research Assistantships and Undergraduate Research Opportunities Program positions, he said.

The number of students from other departments enrolled in Sloan classes has increased from 175 to 275. The number of undergraduate management majors increased from 110 to 240.

Sloan not yet fully integrated

The lack of a management minor and the separate Sloan class lottery may contribute to the perception among some faculty and students that the only thing that connects Sloan to MIT is the school's name. However, Sloan doesn't have the facilities to deal with a large number of management minors, Urban said.

"We are only constrained by resources, not by desire," Urban said. "We would like to offer undergraduate and graduate minors in management, but lack classrooms and teachers. The bidding system is a short-run measure to ration

demand by Sloan and interdepartmental students," Urban said.

Urban also tried to change the public's perception of MIT students as simply number crunchers. He created a Dean's Gallery outside his office in 1994 which showcases the talents of artists within the MIT community and New England.

"We operate under the 'MIT Shadow,' that we're quantitative," Urban told *The Boston Globe* after being named dean. "I would hope we could really turn out a well-rounded manager for the 21st century," he said. "I think it's very important for managers to have good quantitative skills, but it's also important to have good creative skills and human skills. You have to find problems and solve them," Urban said.

Colleagues applaud Urban

In addition to increasing enrollment and fostering programs that deal with the interface between business and technology, Urban boasts many other accomplishments, both personal and as dean.

Urban has been an award-winning researcher. He won O'Dell awards in 1963 and 1986 for his influential papers on marketing research. In 1996, he received the

American Marketing Association's Paul D. Converse Award for outstanding lifelong contributions to the development of the science of marketing and the *Journal of Marketing* award for best paper.

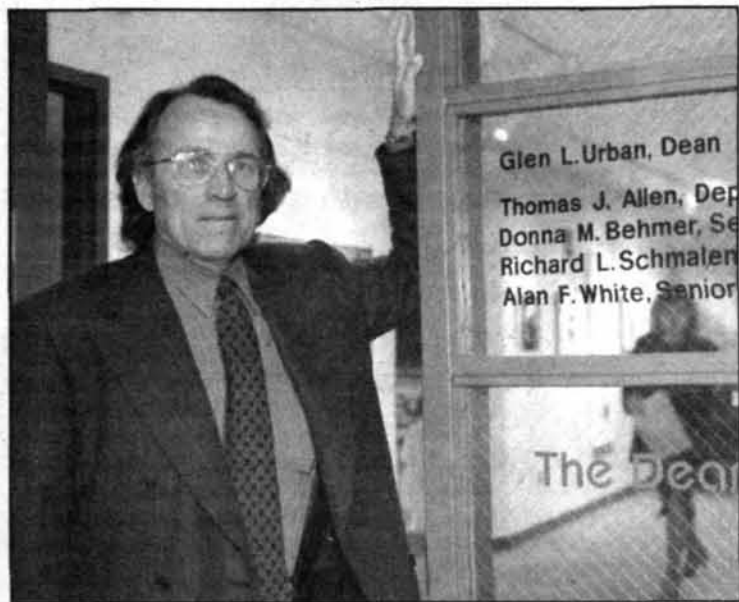
Dean Urban earned the a Bachelor of Science in mechanical engineering and an MBA from the University of Wisconsin, and a PhD in marketing from Northwestern University. He is co-author of five books, including *Design and Marketing of New Products*, *Advanced Marketing Strategy*, *Essentials of New Product Management*, and *Management Science in Marketing*.

He co-founded three companies and founded another two. His most recent was InSite Marketing Technology, an electronic commerce firm that develops tools to market on the Internet.

Search committee to be named

In the coming weeks, a search committee will be appointed by Provost Joel Moses and President Charles M. Vest to find a replacement for Urban. However, Urban's contribution to Sloan and MIT will not be forgotten.

"Under Glen Urban's direction, the Sloan School has launched a number of innovative programs, strengthened its international pro-



Glen L. Urban will step down as Dean of the Sloan School of Management on July 1.

grams particularly in Asia, forged stronger links with all five schools at MIT, and fortified MIT's leading role in entrepreneurship," Vest said. "His direction has secured Sloan's position as one of the best business schools in the world, well-prepared to meet the management challenges of the 21st century. I am grateful for Glen's leadership and look forward to working with him in new capaci-

ties in the future."

Provost Joel Moses said Dean Urban "has been an outstanding leader and manager who set ambitious goals and achieved them. His vision and drive have boosted the MBA population by more than a third, doubled applications, expanded the faculty, and dramatically increased the school's organizational efficiency."

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Tuesday, February 10 at 8 pm — Room 3-133

Under the Domim Tree

"Under the Domim Tree" tells the poignant, sometimes harrowing story about a group of teenagers living in a 1950's youth village for orphans who survived the concentration camps and other troubled Israeli youths. During the day, the students seem like normal teens. When night falls, painful memories of the horrors of the Holocaust resurge. An inspirational account of the hope, dreams and memories of a unique group of young people. Running Time: 102 min./Color/Hebrew with English subtitles

Tuesday, February 17 at 8 pm — Room 3-133

Documentary: Israel: Never a Dull Moment

Israel is a country that has been in the headlines from the very moment of its birth. It is the focal point of dreams, clashes, enmity and achievement. This poignant documentary highlights the major events of the nation since its establishment in 1948. Running Time: 60 min./Color and B&W/English

Tuesday, February 24 at 8 pm — Room 3-133

Saint Clara

Based on a story by Czech writers Pavel and Yellena Kohout, this funny, surreal tale of Israeli adolescents could take place anywhere that thirteen-year-olds hate the school principal and question the sanity of their teacher. Clara, a beautiful teenager with psychic powers, sends the entire seventh grade into a tailspin and incites pubescent revolution, until she realizes that her psychic advantage will only last until the first time she falls in love. Running Time: 84 min./Color/Hebrew with subtitles

Tuesday, March 3 at 8 pm — Room 3-133

Hill 24 Doesn't Answer

Four young Zionists are assigned to defend strategic Hill 24 outside Jerusalem in order to maintain access to the besieged city during Israel's War of Independence. Through the defenders' diverse stories, we gain a critical perspective on the birth of Israel and those who risked their lives to insure the State's survival. "The first major success of the young Israeli cinema... superbly directed" — Georges Sadoul, *Dictionnaire du Cinema*. Running Time: 101 min./B&W/English

Tuesday, March 10 at 8 pm — Room 3-133

Documentary: Dreamers and Builders

This documentary incorporates rare footage from four early films recently preserved. The renowned photographer Yaakov Ben Dov captures wonderful scenes of Jerusalem, Tel Aviv, Rishon LeZion, Old Jaffa as well as rural settlements and activities throughout the land, providing an invaluable document of pre-1948 Israel. Running Time: 50 min./B&W/English narration

Tuesday, March 17 at 8 pm — Room 3-133

Late Summer Blues

Tel Aviv, Summer 1970. Seven 18-year-olds are on summer break between their final exams and their induction into the Armed Forces. When the first of their friends is killed in a training accident, the group decides to turn their graduation play into an antiwar statement. "Late Summer Blues succeeds admirably in conveying the hopes and fears and traumas of a country still in the making" — Sheldon Kirshner, *The Canadian Jewish News*. Running Time: 101 min./Color

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COURTNEY CLENCH—THE TECH

Maisha Gray '99 goes for a lay-up in last Thursday's game against Suffolk University in Rockwell Cage. MIT won 73-70.

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SPORTS

Athletes of the Week

This week's star athletes are Victoria Best '99 and Andrew McCraith '98. Best helped the women's basketball team with 28 points in their 85-63 victory over Worcester Polytechnic Institute, the team's first in 10 years. She was named New England Women's 8 Co-player of the Week. McCraith lead the men's gymnastics team against the University of Massachusetts, Amherst, and the University of Vermont, scoring 8.7 on the parallel bars to move him into second place all-time on that apparatus.



Victoria Best '99
Basketball

Age: 20
Major: Architecture
Hometown: Staten Island, N.Y.
Years playing sport: 15
Most memorable moment:
Beating Wheaton College last year in the first round of the NEW 8.
Future plans: architecture graduate school
"Success is not found in never failing, but rising every time we fall."



Andrew McCraith '98
Gymnastics

Age: 21
Major: Mechanical Engineering
Hometown: Newton, Mass.
Years playing sport: 8
Most memorable moment:
Our 22-hour road trip to the University of Vermont.
Future plans: graduate school
"Gymnastics is a team sport. I could not have done this with my teammates, especially J.C. Olsson '00."

Ballroom Dancers Bring Home Several Ribbons from Harvard

By Vikas Bhushan
TEAM MEMBER

The ballroom dance team competed at the seventh annual Harvard Invitational Ballroom Dance Competition, held on Jan. 31-Feb. 1 at the Armenian Cultural and Educational Center in Watertown.

Over 300 competitors were in attendance. The rookies on the team reaped the benefits of their months of hard work by bringing home ribbons in most of the beginner level events.

At the beginner level, with more than 60 couples entered in the competition, Wynn Sanders G and Catherine Sanders G grabbed first place in the international style waltz event. Meanwhile Eugene Bae G and Stephanie Shaw G took first place in the American style waltz and foxtrot and the international style quickstep events. They also placed second in the international style waltz and third in the American style tango.

Placing right behind Bae and Shaw in the international style quickstep were MIT competitors Yedil Workeneh '98 and Marleigh I. Norton '99, placing second, and Seth Webster G and Christine Tsien G, placing third. Workeneh and Tsien also placed second in the American style waltz and won the American style tango.

Tsien and Webster took fifth place in the international style Waltz, while Webster and Norton took fifth in both the American style Waltz and Foxtrot events. Elena Sapozhnikova and Karen Piv-

azyan '98 placed fourth in the foxtrot. Pubudu Wariyapola G and Viktoria Kheifets '00 placed second, third, and fourth in the American style rumba, cha cha, and swing events, respectively. They also took fourth in the international style rumba and waltz events, eighth in the jive, and second and third, respectively, in the American style tango and foxtrot events. Workeneh and Shaw placed fourth in the American style cha cha, eighth in swing, and seventh in jive.

Martin Szummer G and Kate Mahoney '97 placed seventh in the American style foxtrot. Rounding out MIT's outstanding performance at the beginner level, Mark Herschberg G and Tammy Yap '99 placed second in the jive, sixth in the quickstep, and fifth in the American style cha cha.

Dancers do well at higher levels

At the intermediate level, Feng Li '97 and Rong Zhong in the American style waltz/foxtrot/tango event and placed fourth in the international style standard events. Jennifer Hammock '98 and Arthur Lue placed sixth in the international style foxtrot and tango event, followed by Stephen Gildea '87 and Anne Moroney '85 in seventh place.

At the advanced level, Yuying Chen G and Tom Nugent G swept

first place in both of the international style standard events (waltz/quickstep and foxtrot/tango).

Rich Finlay and Reena Freedman were right behind them in second place, followed by Andreas Gast G and Karen Moksnes in fourth and Li and Zhong in fifth.

In the international style Latin events, Chen and Lajos Molnar G placed third in the samba/jive event while Michael Otero and Freedman placed seventh in the cha cha/rumba event. Chen and Michael Posner placed third in the American style rhythm events.

Posner and Freedman won the American style smooth events, followed by Li and Zhong in second place. Posner, dancing with Ling Liao from Northeastern University, also won the open level American style rhythm and smooth events, and placed fourth in the international style open level Latin events. Also dancing at the open level, Otero and Marta Lipinski G placed third in the international style standard events, followed by Finlay and Freedman in fifth place.

The MIT team is looking forward to hosting the next major collegiate competition in the Boston area. On Apr. 4-5, the second annual MIT Open Ballroom Dance Competition will be held at the DuPont Athletic Center.

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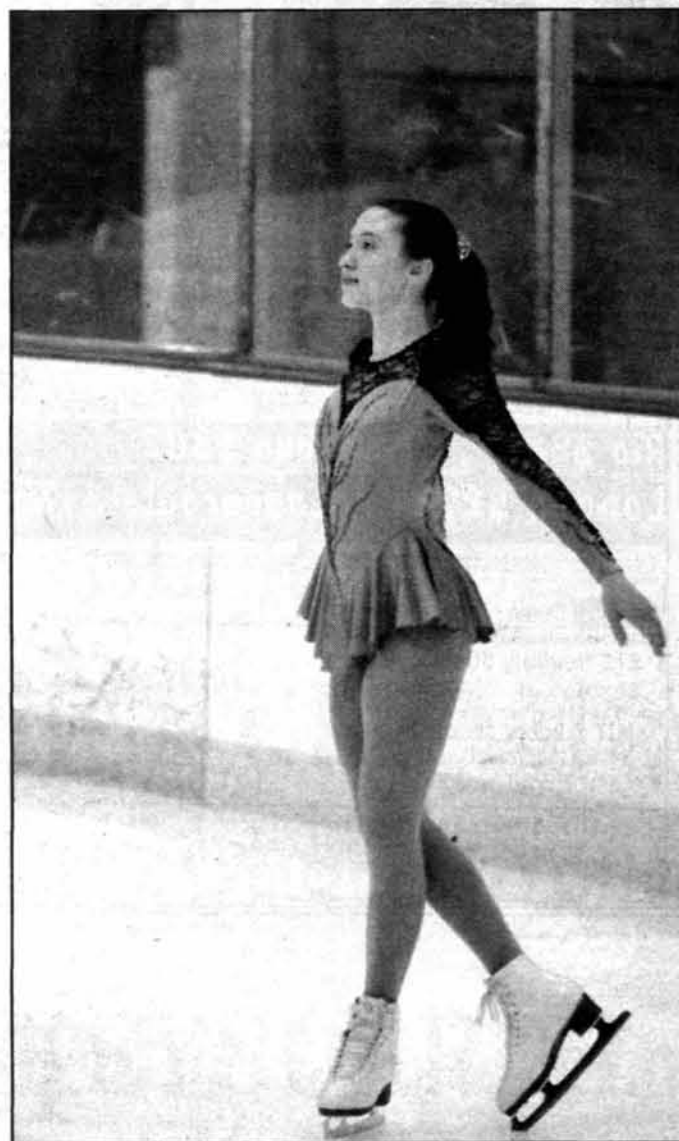
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Michelle Machacek '98 holds position at the end of her program in the freestyle novice section of the MIT Intercollegiate Figure Skating competition. She placed first in a field of six on Saturday afternoon in Johnson Athletic Center.

UPCOMING HOME EVENTS

Tuesday, February 10
Wrestling vs. Western New England College, 7 p.m.

Wednesday, February 11
Men's Volleyball vs. Wentworth Institute of Technology, 7 p.m.

Thursday, February 12
Men's Basketball vs. Clark University, 7 p.m.
Squash vs. Wesleyan University, 4 p.m.