

LEF Panel Allocates \$25,235

LSC to Sponsor Douglas Adams

By Karen E. Robinson
ASSOCIATE NEWS EDITOR

A speech by Douglas Adams, a Latin American and Caribbean Cultural Show, and an evening of Comedy will be funded in full by the large event funding panel this spring. Three other events will be partially funded by the large event fund.

In total, the panel allocated \$25,235 in grants among the six large events for spring term. The panel received requests for \$68,677 worth of funding for 14 events with total projected budgets of \$122,251.

Adams, author of *The Hitchhiker's Guide to the Galaxy*, will speak to MIT audiences in mid-April. This event was proposed by the Lecture Series Committee. Adams' talk will be entitled "Parrots, the Universe, and Everything," and take place in Johnson Ice Rink.

The first Latin American and Caribbean Cultural Show will take place in late April, hosted by the MIT Club Latino and the MIT

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City Council Approves New Development Ban

Petition Creates 18-month Moratorium Zone

By Frank Dabek
EDITOR IN CHIEF

With the passage of the Larkin petition early yesterday morning, the Cambridge City Council has



FRANK DABEK—THE TECH
Shannon Larkin

imposed an 18-month moratorium on large developments in east Cambridge, across Main Street from the MIT campus. The petition was sponsored by the East Cambridge Planning Team, a neighborhood group which includes MIT staff member Shannon M. Larkin and passed by a vote of seven to two after being amended by the council.

The petition is designed to allow time for the city to conduct a comprehensive planning study of east Cambridge. The petition prohibits any new development over 20,000 square feet in an area bordered by Main Street on the south, the Somerville border on the north and between Windsor street and the Boston-Cambridge border.

A two-block area on Binney Street at Fifth Street was exempted from the moratorium if used for

telecommunication utilities by an amendment introduced by Councilor Anthony Galluccio.

Resident after resident voiced concerns at the meeting about evictions, condominium conversion, and commercial developments that they feel are destroying neighborhoods in the eastern part of the city which has been increasingly targeted for new developments.

"It's getting scarier and scarier to live in East Cambridge," Larkin said of the encroachment of development.

School Committee member Fred Fantini also delivered an impassioned defense of the moratorium. He called the passage of the Larkin measure a defining moment for the council and urged councillors to "reflect on what our city will be like in 100 or 200 years."

The vocal support residents' groups showed for the petition was matched by parties opposed to the moratorium.

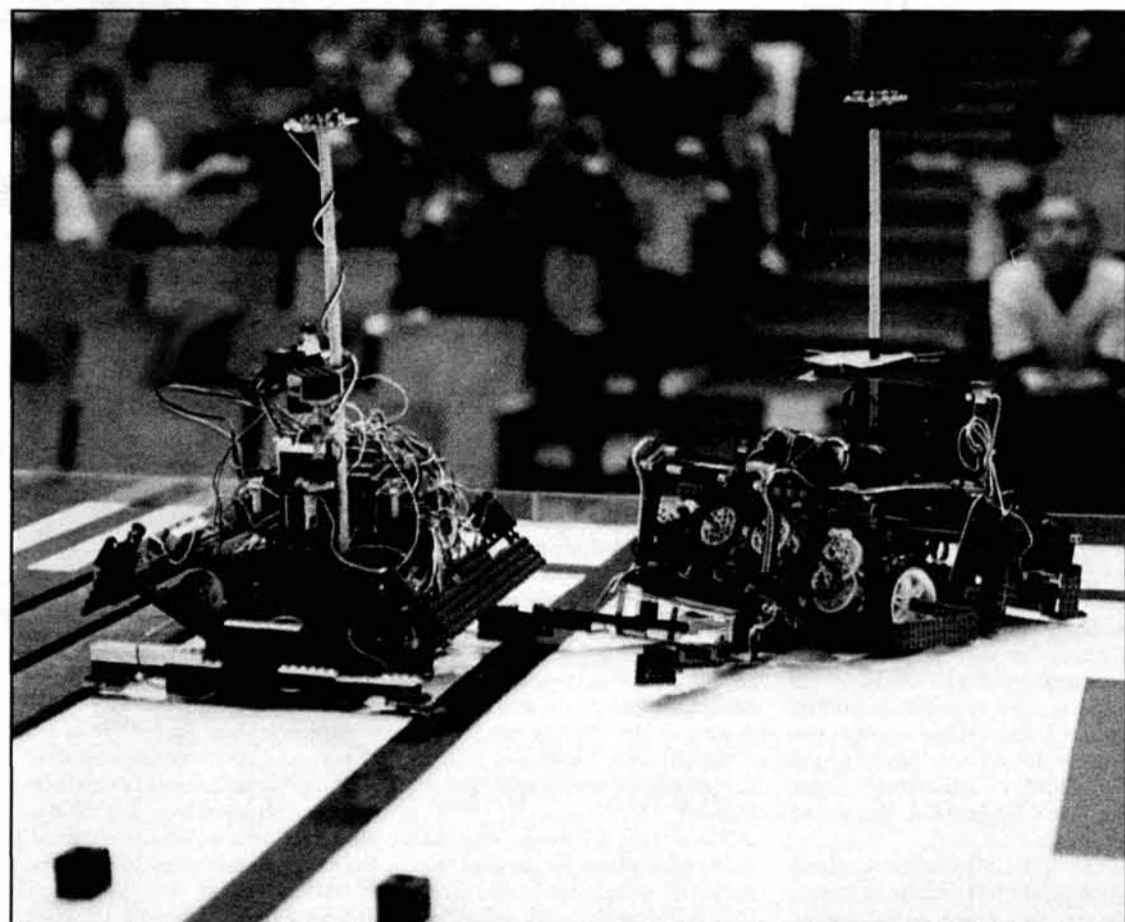
Attorney James Rafferty said that the petition used a "far broader brush" than its authors intended and that it denied fundamental property rights. He proposed dealing with the problem through modification of zoning regulations rather than a moratorium.

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AJAL BHARADWAJ—THE TECH
CAC staff members Ted Johnson and Van Chu '99 hang a mirror ball in preparation for this Saturday's Millennium Ball.

'Bots in Blue' Complete Qualifying Round of 6.270



MING-TAI HUI—THE TECH
Two Lego robots clashed during the qualifying round of the "Bots in Blue" 6.270 contest. The final round will be held Tomorrow at 6 p.m. in room 26-100.

By Kevin R. Lang
ASSOCIATE NEWS EDITOR

Hackers will be jailed. Students will remain on either East Campus or West Campus. Professors will be escorted across Massachusetts Avenue.

Have the Campus Police resolved their labor dispute and expanded their duties at MIT? Hardly. This year's 6.270 Autonomous Robot Design Competition, "Bots in Blue," features robots trying to capture "hackers," keep "students" on either side of "campus," and escort "professors" across "Mass. Ave."

Round one finished up Tuesday afternoon, with 27 of 60 teams qualifying for the final competition on the first try. The final contest begins Thursday at 6:00 p.m. in Room 26-100.

The first round featured false-starts galore, non-functioning robots, and some flying Legos. Many teams had been finishing work both on code and on their robots late Monday night and into Tuesday morning. Controller boards this year were significantly delayed, despite course organizers' attempts to debug the boards since last year.

"We were just figuring out how long I'd been awake," said contest-

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MIT Unveils Nanovation Partnership

\$90 Million to Further Research in Photonics

By Matthew F. Palmer
STAFF REPORTER

Miami-based Nanovation Technologies Inc. announced Friday it will provide \$90 million over six years to establish a center at MIT for the research of light-based photonic technologies, which could make communications hundreds of times faster.

Nanovation's contributions will fund a new laboratory on the MIT campus and research at MIT's Materials Processing Center. The goal of the research is to develop photonic devices that will connect computers and telephones to high speed fiber optics.

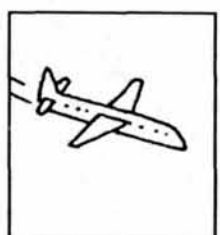
Nanovation's president and CEO G. Robert Tatum said in a printed report, "Nanovation's relationship with MIT is part of our strategy to form partnerships with the nation's best universities to expand research that will allow the telecommunication industry to develop and commercialize new photonic technologies."

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Undergrads publish research in MURJ.

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FEATURES

Get ready to practice that smile! Charm School returns for its eighth fun-filled year.

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WORLD & NATION

Surprise Blizzard Wreaks Havoc on East Coast

LOS ANGELES TIMES

WASHINGTON

An unexpected blizzard stunned the eastern United States on Tuesday, snarling traffic and shutting down schools and businesses from South Carolina to Maine. Most federal agencies in the nation's capital were closed.

Packing winds up to 40 miles per hour, the fast-moving storm disrupted air travel and closed many major airports, including New York's La Guardia and Washington's Ronald Reagan National Airport. Flights were canceled up and down the Eastern seaboard and air traffic was snarled over much of the nation.

Amtrak canceled operations south of Washington, including auto-train service to Florida, because of the storm, spokesman Cliff Black said. He said that rail travelers faced delays along the Washington-to-Boston corridor.

At least four people were killed in weather-related traffic accidents in the Carolinas, and a 5-year-old girl was missing and feared dead in Massachusetts after falling into a river while walking to school in heavy snow.

The only political battle at the White House was a snowball fight outside the West Wing between press secretary Joe Lockhart and his aides. Senate testimony by Federal Reserve Chairman Alan Greenspan, usually a much-anticipated event, was canceled.

"We knew it was coming. It just decided to hit us a day earlier (than expected)," said U.S. Weather Service meteorologist Tim Morrin in New York. "It's an intense winter storm and it's hitting us with its full potential."

Pakistan Cannot Be Linked to Hijacking, Clinton Says

LOS ANGELES TIMES

WASHINGTON

President Clinton said Tuesday that his administration has no evidence implicating the Pakistani government in last month's hijacking of an Indian Airlines jet despite the role apparently played by a notorious Kashmiri guerrilla group that has received backing from Islamabad.

"We do not have evidence that the Pakistani government was in any way involved in that hijacking," Clinton told a White House news conference.

Nevertheless, the administration has called on Pakistan to break its ties to Harkat Mujahedeen, which appears to be linked to the hijacking, officials said. The group's objective is to drive India out of the disputed region of Kashmir.

State Department spokesman James P. Rubin said a U.S. delegation that visited Islamabad last week expressed Washington's concern about Pakistan's "general support" for several Kashmiri groups, including Harkat Mujahedeen.

Nevertheless, Rubin and White House spokesman Joe Lockhart read identical statements saying the administration has "no evidence that the government of Pakistan had foreknowledge of, supported or helped carry out the hijacking."

By exonerating Pakistan of responsibility for the hijacking, the administration ruled out any sort of punishment for the Islamabad regime, at least not unless additional damaging information comes to light. One passenger was killed during the weeklong drama that began Dec. 24.

British See Takeover of Venerable EMI as Another U.S. Inroad

THE WASHINGTON POST

LONDON

The first Beatles record was probably the most important signing in the long history of EMI Group, the biggest and oldest British record company. The corporate history of EMI — for Electric and Musical Industries Ltd. — dates to the cylindrical gramophone records of the 1890s.

Now the last British record label will become one more title on the long roster of companies clustering around America Online Inc., the Internet giant in the Washington suburb of Dulles, Va. In yet another AOL coup, EMI agreed over the weekend to merge its music business with Warner Music Group, the big American record company whose parent, Time Warner Inc., was just acquired by AOL.

The transfer of yet another British corporation to U.S. hands — just days after Citigroup bought the London investment bank Schroders — prompted concern here. "U.S. takes over Britain's last major record label" read the front-page headline in Monday's Independent newspaper.

There was evidence to support that point of view. The new venture will be called "Warner EMI Music." Its headquarters will be in New York. The American partner is guaranteed a majority of seats on the board, and Warner Music Group Chairman Roger Ames will run the show.

WEATHER

Lots o' Clouds

NATIONAL WEATHER SERVICE

Wednesday: Snow flurries predicted. The high temperature will be 31°F (-1°C). The low will be about 21°F (-6°C).

Thursday: Clouds predicted. Expect a high temperature of 27°F (-3°C) and a low near 18°F (-8°C).

Friday: Sunshine and partly cloudy skies predicted. The high temperature will be 30°F (-1°C). The low will be about 20°F (-6°C).

Saturday: It will be partly cloudy with periods of sunshine. The expected high temperature will be 32°F (0°C) with a low close to 23°F (-5°C).

GOP Opposition Target Bush As Campaign Moves to N.H.

By Anne-Marie O'Connor,
Mark Z. Barabak
and Cathleen Decker

LOS ANGELES TIMES

MANCHESTER, N.H.

His Iowa caucus victory only hours old, Texas Gov. George W. Bush fell into an ideological pincers attack from his two chief challengers in New Hampshire Tuesday, taking shots on taxes and abortion as he sought to translate his Midwestern success into an advantage among the traditionally prickly voters here.

Businessman Steve Forbes thrashed Bush from the right on taxes and Arizona Sen. John McCain came at him from his more moderately conservative perch on abortion, both trying to knock down the national front-runner.

Forbes' approach marked a shift from the final days of the Iowa campaign, when he hammered Bush on abortion — but it was a clear reflection of Forbes' take on the more secular interests of voters here. Indeed, he and McCain appeared at times to have traded places, with McCain shifting to abortion from his usual criticism of Bush's tax plan.

Bush, anxious to quash both challengers, touted his tax plan and said he would continue to press the case in Wednesday night's GOP debate. The Democrats, too, were scheduled to debate Wednesday.

Running behind McCain in pre-primary polling here, Bush insisted he was ready for the fight in New Hampshire. But he also none-too-subtly underscored his strong positioning for the remainder of the primary season, where he holds a vast organizational and financial edge.

"Up to now, Sen. McCain has had a time advantage in New Hampshire," Bush said. "Now

we're all going to be here the same amount of days. ... There's no doubt about it, he's a tough candidate to beat. We'll see beyond New Hampshire what they choose to do."

The Democratic winner of the caucuses, Vice President Al Gore, buoyantly pledged not to take victory in New Hampshire for granted, but just for good measure criticized both his primary opponent Bill Bradley and his probable Republican opponent Bush's "huge, risky, tax scheme-giveaway."

Bradley, for his part, tried to shake off his lopsided Iowa loss — he was defeated by a nearly 2-1 margin — by emphasizing his credentials as a former New Jersey senator and pledging reform, both of health care insurance and the frequently negative political system. Nonetheless, he sent surrogates out to criticize Gore, and began airing a television advertisement in which the widow of the last Democratic insurgent to win New Hampshire — the late Paul Tsongas — bashed Gore for misrepresenting Bradley's record.

The surviving candidates, including the major challengers and Republican Gary Bauer, who placed a disappointing fourth in the Iowa caucuses, high-tailed to New Hampshire in the early morning hours Tuesday, exhausted but girding for a battle that began at dawn with public appearances and interviews on morning news shows.

But the traditional convergence of the political world on this tiny spit of land was overshadowed by a mammoth blizzard that dumped snow from the southern edge of the Eastern Seaboard up to Maine, closing a host of airports intermittently, including the Manchester and Boston airports into which the

political world was flying.

One candidate, Republican Alan Keyes, fell victim to the weather and found himself stuck in the Detroit airport through the afternoon. The sixth Republican, Utah Sen. Orrin Hatch, was not in New Hampshire and The Associated Press reported that he was leaving the race.

The Republican underdogs were fighting most fiercely Tuesday. Forbes' return to taxes as his bulwark issue was a replay of his 1996 presidential campaign, which he based almost completely on eradicating the Internal Revenue Service and replacing it with a 17 percent flat tax on income.

"People are going to look at the record on taxes," Forbes told reporters in Nashua. "George Bush: look at his record. In Texas, he broke the tax pledge."

While Forbes was moving on Bush from the right, McCain was inching at him from the center with a nuanced discussion of abortion. Both Bush and McCain oppose abortion, except in instances of rape, incest, or threat to the life of the mother.

But while Bush has said he is satisfied with the Republican platform that advocates a strict, no-exceptions ban on abortion, McCain on Tuesday said that he favored loosening the platform language.

"I'm for the exemption; that's my position," McCain said on ABC's "Good Morning America" program. But he later said that he would not actively seek a platform change.

Gore rallied supporters at West High School in Manchester, promising to spend every waking moment he could in the state before Tuesday's primary.

Clinton Proposes Eliminating Debt by 2013 in Next Budget

By Art Pine
and Nick Anderson

LOS ANGELES TIMES

WASHINGTON

President Clinton said Tuesday that the budget he will send Congress Feb. 7 will propose paying off the entire \$3.6 trillion national debt by 2013 — two years earlier than had been expected even a few months ago.

At a news conference, the president attributed the opportunity for a speedup to an economy that is even stronger than had been forecast, resulting in higher tax revenues and lower expenses, and to his own austere budget policies.

At the same time, the nonpartisan Congressional Budget Office issued revised estimates projecting that the federal budget surplus over the next 10 years is likely to top \$1.9 trillion — substantially larger than it had predicted as late as last December.

The CBO also acknowledged that, contrary to previous estimates, congressional Republicans managed to keep from draining any of the surplus in the Social Security trust fund in fiscal 2000, even though they breached the overall budgetary spending caps that Congress set in 1997.

The agency's estimates showed that, instead of dipping into the Social Security fund by \$17 billion, as it had projected in December, the lawmakers actually would end up with the trust fund intact and a \$23 billion surplus in the government's operating budget.

Republicans quickly called a news conference to proclaim victory in their battle to prevent any further drain on the Social Security trust fund. "It turns out that we are right (and) the other side was wrong," Senate Budget Committee chairman Pete V. Domenici, R-N.M., said.

Tuesday's developments set the stage for another yearlong skirmish in the battle over what to do with the burgeoning federal budget surpluses that the government is now projecting for the next decade. The latest projections are also expected to be converted quickly into cannon fodder in this year's presidential and congressional election campaigns.

Republicans want to continue boosting defense spending and to enact sweeping new tax cuts for those with the heaviest tax burdens — mostly individuals and couples in the middle and upper income brackets.

However, Clinton, who has announced plans for modest new spending programs in his fiscal 2001 budget next month, wants lawmakers to keep the lid on most government outlays and use most of the massive savings to pay off the national debt.

"Now is not the time to let up on a strategy that is plainly working," the president told reporters at a news conference intended to call attention to the improved prospects for debt reduction. He asked the Republican majority in Congress "to put politics aside and join me."

Clinton also used the impromptu news conference to claim credit for

the improved budget picture and to divert attention from the new CBO estimates, which support GOP assertions that Republicans succeeded in "protecting" the Social Security surplus.

Republicans made what they called "saving" Social Security a major political theme last year. For most of the last 40 years, the government has been borrowing from the Social Security trust fund to finance some of the deficit in its day-to-day operating budget.

The Republicans also took credit for the continuing improvement in the budget picture and for the progress that the government has been making in using part of the large surplus to pay off the national debt.

However, Sen. Slade Gorton, R-Wash., told reporters that Republicans are divided over whether to use the coming surpluses to pay off the remaining national debt or to return the money to taxpayers in the form of massive tax cuts.

The White House said Tuesday that the Treasury had paid off \$140 billion of the national debt over the last two years and CBO estimated that the government ran an overall surplus of \$176 billion in fiscal 2000, all of which will go to pay down the debt.

Economists argue that paying off the debt results in substantial benefits by helping to push interest rates down, reducing borrowing costs for both businesses and individuals. It also saves the government billions of dollars in interest costs.

Grandmothers to Meet Elian At Dominican Sister's House

By Janet Hook and Mike Clary

LOS ANGELES TIMES

WASHINGTON

Complying with an order from U.S. immigration officials, the Florida relatives of Elian Gonzalez agreed Tuesday to allow him to meet with his Cuban grandmothers Wednesday at a neutral site in Miami, the Justice Department said.

The agreement came after the women spent much of the day trekking through a blizzard here to urge members of Congress to block legislation that would make it harder for them to bring the 6-year-old boy back to Cuba.

"He belongs in Cuba," said Mariela Quintana, Elian's paternal grandmother, weeping as she spoke through a translator to reporters. "He was born in Cuba and he's a Cuban citizen."

The meeting is scheduled to take place at 4 p.m. at the Miami Beach

home of Jeanne O'Laughlin, president of Barry University in Miami Shores and a sister in the Dominican order. O'Laughlin is a longtime friend of Attorney General Janet Reno.

"It will be a private meeting and the (Florida relatives) will let us know who will accompany" Elian, said Justice Department spokeswoman Carole Florman. "We have assured them that this is just a visit and the grandmothers have no intention of leaving Florida with Elian."

The women will have time alone with their grandson, Florman said.

Meanwhile, President Clinton lent some support to the grandmothers' cause, saying Tuesday that he had not ruled out the possibility of vetoing legislation that, if passed by Congress, would make Elian a U.S. citizen.

At issue is the fate of the boy found floating on an inner tube off

the coast of Florida Thanksgiving Day. He had been in a boat that capsized while carrying him and his mother and 12 others to the United States from Cuba. His mother was one of 11 people who drowned. The U.S. Immigration and Naturalization Service has ruled that Elian must be sent home to his father in Cuba but his Miami relatives have filed a lawsuit to block that move.

The grandmothers' whirlwind tour of Capitol Hill came one day after they failed in an attempt to meet with their grandson in Miami. In a letter Tuesday, the INS told Elian's Miami relatives to allow the grandmothers to meet the boy in a "neutral setting."

While on Capitol Hill, the grandmothers received encouragement from members of Congress who oppose legislation to make Elian a U.S. citizen.

Russians Support Grozny Ground Attack by Stepping Up Air Assault

By Daniel Williams

THE WASHINGTON POST

SLEPTSOVSKAYA, RUSSIA

The Russian military doubled the number of air attacks in and around the besieged Chechen capital Tuesday, but its ground units have not been able to break a fierce rebel defense of Grozny that has inflicted the highest casualty rate on Russian forces in the four-month-old war.

Taking advantage of clear skies, Su-24 and Su-25 ground attack jets, along with helicopter gunships flew 250 sorties Tuesday — more than twice the number of each of the past three days. At the same time, Russian troops backed by intense artillery fire tried to press in on city center; their immediate goal appeared to be Minutka Square, the hub of several main streets.

But the troops seemed barely to

have moved forward from areas they have held for days in the northwestern district of Staropromyslovsky and a smaller capital district in the east. Rebel spokesmen said their guerrilla detachments were striking at Russian forces behind the front lines, using snipers and ambushes to slow their advance.

Refugees from Grozny reaching Ingushetia, a Russian region west of Chechnya's, described a see-saw battle in the capital, in which government forces move ahead yards at a time by day, only to retreat at night in the face of rebel ambushes. They say buildings in the city are being blasted again and again by Russian tank and artillery fire; some crumble under the onslaught, while others remain standing ruins.

Overall, the "final assault" on Grozny has diverged from the Russ-

ian script. An operation that was supposed to last three or four days has gone on for more than a week, and official Russian reports have become eerily repetitive. "Fierce fighting around Minutka Square" has become a daily chant of Defense Ministry spokesmen. Combat sites have been identified variously as Tukhachevsky and Kirov streets, sub-districts 1, 2 and 4, a university building, police headquarters, a central heating factory, a dairy, a cannery and a railway bridge.

The urban fighting has caused a surge in Russian casualties. The Interfax news agency said Monday that the Russian death toll in Chechnya had reached 926, a third more than official tallies. Of those, more than 500 are said to have died in December, when the first Russian attacks on Grozny were launched.

Colombian President Asks Congress for \$1.3 Billion in Anti-Drug Aid

By Karen DeYoung

THE WASHINGTON POST

WASHINGTON

President Clinton and Colombian President Andres Pastrana Tuesday began a joint push for congressional approval of \$1.3 billion in aid for the beleaguered South American nation, appealing for bipartisan support and early passage of the bulk of the money.

As Pastrana met with congressional leaders, Clinton told reporters that the U.S. goal is to help Colombians "gain some measure of control over their country again." The effort, he said, will be a "test run for the kind of challenges that my successors ... will face" in the future, when drug traffickers, organized-crime groups and political terrorists may work together.

"I would be surprised if we don't have large numbers of Republicans and Democrats supporting this," Clinton said. "And I think we're going into this with our eyes wide open."

While Colombia tries to stem a flood of cocaine and heroin exports that supply 80 percent of the U.S. market, its government also is battling two leftist guerrilla armies and a right-wing paramilitary force — all of which derive income from taxing the drug trade. There is bipartisan agreement on the urgent need to address the narcotics trafficking, but congressional opinion is divided on how deeply and directly this country should become involved.

Human Rights Groups, Belgium Seek to Block Pinochet Release

By T. R. Reid

THE WASHINGTON POST

LONDON

Six human rights organizations and the government of Belgium will go to court here Wednesday in a long-shot effort to block the expected release of former Chilean president Augusto Pinochet. The groups decided to bring a legal action now because they feared they would not be able to reach a judge fast enough to stop Pinochet from returning to Chile once an order to free him is issued.

Home Secretary Jack Straw said two weeks ago that he is inclined to let Pinochet go home to Chile without facing a trial on charges of torture and conspiracy brought by a magistrate in Spain. Acting on reports from a medical examination, Straw said the 84-year-old former general is too sick to stand trial.

The human rights groups have challenged that conclusion and demanded a hearing into Pinochet's mental and physical condition. This week, they petitioned the High Court — despite the name, it's the basic trial court in the British system — for an order preventing Pinochet's departure until a hearing can be held. A hearing was scheduled for Wednesday morning.

Belgium joined the case because a Belgian prosecutor has indicted Pinochet for alleged human rights abuses during the 17 years he ruled Chile. Belgium contends that, if Pinochet goes home to Chile, its prosecutors will never get him into a Belgian court.

The key problem for the anti-Pinochet side is that British extradition law gives the home secretary broad discretion in extradition cases. There is no statute dictating how the home secretary should handle medical questions in an extradition case.



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OPINION

Questioning Kolenbrander

Chancellor Lawrence S. Bacow's decision to require the Office of Residential Life and Student Life Planning to report to Associate Dean Kirk D. Kolenbrander requires additional explanation. The change was announced to select members of the

Editorial

MIT administration last week. Bacow should take the effort to explain his decision to students as well because the change directly affects the implementation of the new residence report released in late December.

Bacow has stated that he chose to direct RLSLP to report to Kolenbrander instead of to the Dean of Students because implementation of Bacow's residence report will be carried out mainly by RLSLP. Bacow's report named Kolenbrander as the one responsible for overseeing implementation.

The Tech is concerned that Kolenbrander is not prepared for the responsibility of changing MIT's residential system. In his one year as associate dean Kolenbrander served as process manager for the Residence System Steering Committee. The RSSC reports drew criticism from undergraduates and graduate students alike, not just because of the residence system they

suggested but because of the reports' presentation. Bacow's final report, in fact, largely ignored the RSSC's suggestions in favor of the report of his strategic advisory committee.

Also, putting Kolenbrander in charge does not answer the question of what will happen to branches of RLSLP that have little to do with residence system implementation, such as student group services and the Public Service Center.

If the explanation buried in his report were sufficient notification of the change, Bacow would not have felt the need to notify administrators a month after releasing the report — he should have included students in this courtesy. Students have shown that they care deeply about the fate of the residence system. Throughout last year, students demonstrated their interest in the changes undergoing the residence system, participating in feedback sessions, rallies, protests, and even authored rival residence system proposals to the RSSC plan.

If the MIT administration really views student opinion of the residence system as an important resource, Bacow must formally announce and explain, to students, his decision to put Kolenbrander in charge of RLSLP and the implementation of his report.

Letters To The Editor

The Flaws in MIT's Gender Study

In "Twenty Irrelevant Pages," Susan Buchman critiques my study, "MIT Tarnishes Its Reputation with Junk Gender Science" <<http://www.uaf.edu/northern/mitstudy>>.

Buchman asks a fair question: Why does the MIT study "fall below the most elementary standards for scientific evidence"?

Here is the way a study of gender discrimination at MIT should have been conducted following elementary standards for evidence in the social sciences:

1. An independent research firm should have been engaged to do the study.

The chair of the MIT committee evaluating the charge of gender discrimination was Professor Hopkins herself, the chief complainant. Two-thirds of the committee members were other senior women in the School of Science,

interested parties who would personally profit from a finding of gender discrimination and, in fact, did profit.

The senior women at MIT were thus judge and jury of their own complaints.

2. The independent research firm would have developed a clear conceptualization of discrimination and operationalized that definition with specific measures, e.g. unequal pay, unequal laboratory space, not listened to in meetings, not appointed to prestigious committees, a sense of disrespect.

3. A comparative study of male and female faculty at MIT would be conducted to see if female faculty differ significantly from male faculty in such resources and feelings. Male faculty may have comparable perceptions of marginalization but lack a socially acceptable label like "gender discrimination" to discuss the problem.

4. The data would be coded by researchers who have received training in

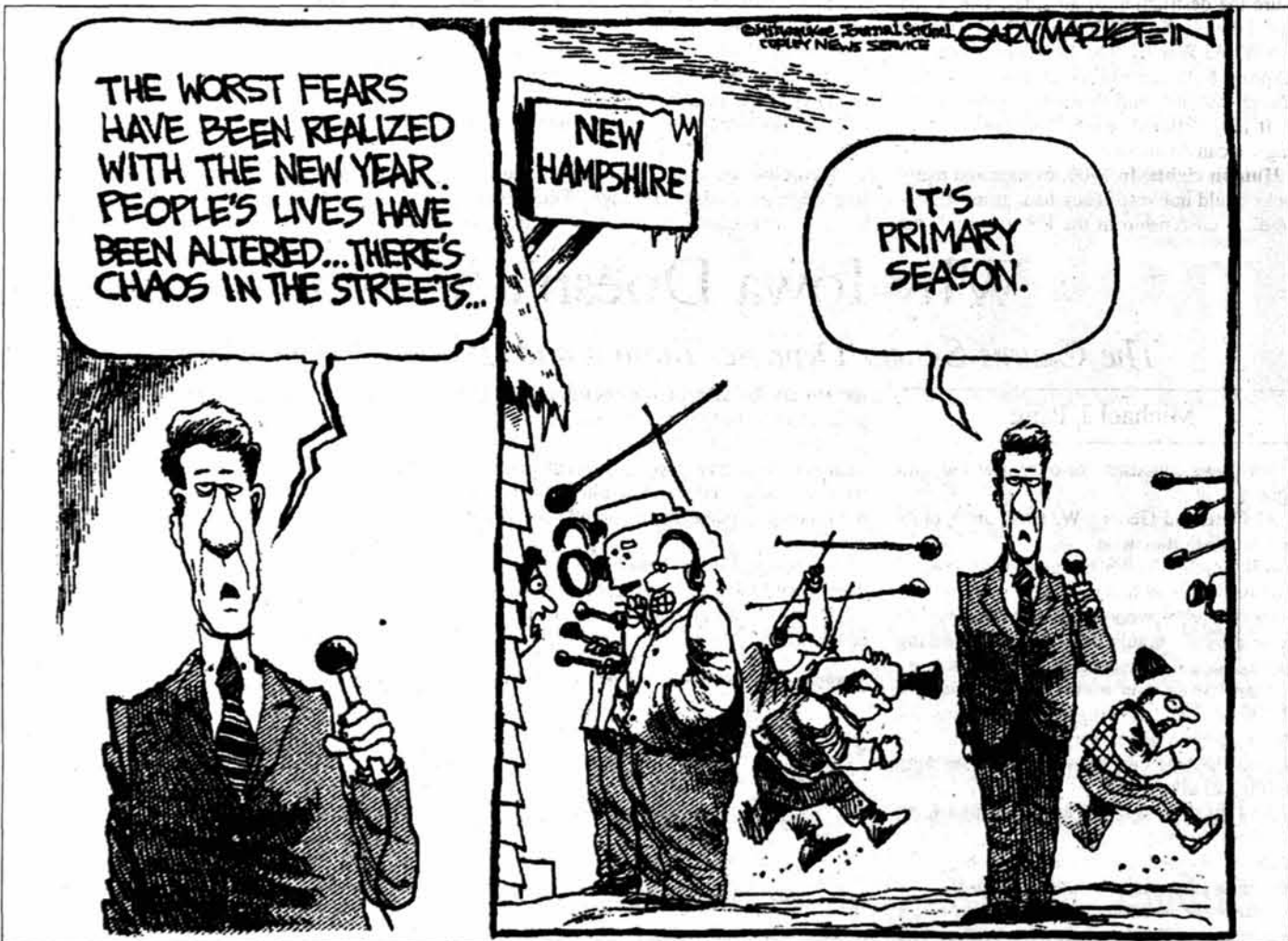
the category system and who have reached at least an 80 percent level of agreement in coding accuracy. Subtle personal experiences (qualitative data) can be coded scientifically, not only quantitative data, when concepts are clear.

5. The study methods and results would be published for review and critique by the scientific community. If sex differences were found in laboratory space, for example, were differences in seniority taken into account?

For MIT to argue that "confidentiality" is required on such matters as sex differences in square feet of laboratory feet is just plain absurd. Confidentiality means you do not identify individuals, not that you do not publish tables.

This is how social science is done. A secret study is how politics is done.

Judith Kleinfeld
Professor of Psychology
University of Alaska Fairbanks



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

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

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

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Looking Back at the 20th Century

The Last 100 Years Was a Time of Amazing Change and Progress.

Kris Schnee

The Twentieth Century, nearly over, was the single most eventful century in human history. Empires rose and fell, people long repressed were finally freed, and Babe Ruth was traded to the Yankees. In light of all that has happened, the major events of the century are worth a review.

Rise of the Welfare State: Mark Twain coined the term now used to describe the late nineteenth and early twentieth centuries — "The Gilded Age." There was little or no restraint on American corporations' environmental, economic, or labor practices at the turn of the century. J.P. Morgan controlled the world's largest corporation, U.S. Steel. But everything changed with the antitrust reforms of the 1900s and 1910s and the New Deal of the 1930s. The 1935 Wagner Act recognized the right of workers to unionize. In 1938, the national minimum wage was set at 25 cents an hour. Franklin Roosevelt built the huge modern "welfare" system; we now take it for granted that the unemployed will be fed and housed by the taxpayers. The free market has become a hybrid economy with significant government control and wealth redistribution.

Rise and fall of Communism: Battered by its horrific casualties during World War I, Russia overthrew its monarchy and became a Communist state. Massacring millions of its own people and predicting worldwide Communist revolution, the new Soviet Union became one of the world's two superpowers for most of the century. With the victory of the Communist government in China in 1949, and Soviet-supported revolutions in several Third World nations, Khrushchev's promise that "We will bury you" seemed very possible. Today the Berlin Wall has fallen, and McDonald's sells hamburgers in Moscow.

Nuclear Weapons: The world changed in 1945 with the Trinity explosion, the first successful atomic bomb test. That same year, World War II ended dramatically with the obliteration of Hiroshima and Nagasaki by a single bomb each, probably preventing a long and bloody land invasion of Japan. For the first time in history, all-out war became impractical, because nuclear weapons would ensure the destruction of all sides. The "Cold War" between the US and USSR substituted for a World War III. The existence of nuclear weapons both maintains an uneasy peace between nations, and threatens to destroy us all. It is questionable whether there is anything we can do about it.

Human rights: In 1900, women and many blacks could not vote. They had, at most, second-class citizenship in the US. But with the

influence of 19th and 20th-century thinkers like Mary Wollstonecraft and Helen Keller, the importance of women in the temperance movement, and women's work in industry during the World Wars, women finally gained the right to vote in 1920 and have entered the workforce along with men. Today women are not confined to the home, but many struggle to balance their traditional parenting work with their careers. This divided duty, and probably also some discrimination, have kept working women's average salaries lower than men's. Blacks' achievement of full political rights did not come until the 1950s and 60s, when segregation was outlawed and the Civil Rights Acts enforced the Fourteenth and Fifteenth Amendments. Today the battle is over not civil rights, but "affirmative action" — whether special legal advantage should be conferred on blacks and other minorities to make up for past discrimination. The situation has been improving, but minority groups still disproportionately live in poor and crime-ridden areas.

Relative decline of the West: In 1902, the US had just ended its military rule of the Philippines, but political control continued for decades. The industrialized world's population grew rapidly, but the rest of the world grew faster, making the West's large share of the world's population decline. Today Europe and the US are approaching zero population growth (not counting immigration), while Third World countries still have high birth rates, and their population is already more than triple that of the industrialized world. With the formation of the United Nations, the Third World was given a greater voice than before in world affairs; now these countries' cooperation is vital to world environmental treaties like the proposed Kyoto laws.

Food production: Throughout this century, biology changed the world. Improved seeds, fertilizers, and pesticides greatly increased farm productivity, staving off Malthus' prediction of inevitable starvation, and making possible the world's incredible population increase. From the origin of the human race to 1650, the world population increased to about 500 million. From 1650 to 1930, it climbed from 500 million to about 2 billion. In 1990, it was 5.1 billion. In 1999, it reached 6 billion. The population increased more in this decade than it did in a hundred millennia back in the Paleolithic era. Improved farming also freed the vast majority of the population (about 97% in America) to create an industrial, service, and information-based economy.

Medicine: In 1900, X-rays were the cutting edge of medical science. There were, however, not many effective ways to actually

treat disease; polio frequently crippled children and smallpox and tuberculosis were major killers. But in 1928, the first antibiotic, penicillin, was discovered, and it became possible to fight bacterial disease with more than placebos. Vaccination, a centuries-old technology, was greatly improved and made available for a wide range of viral diseases. Today the leading killers in industrialized societies (cancer and heart disease) are largely "death by default," things that kill us because we live long enough for them to be problems. We now have surgery that can reattach severed limbs, artificial joints, organ transplants, MRI scanners, and a host of other inventions that save countless lives. We already have the beginnings of gene therapy and virus-killing drugs.

Computers: A "computer" was once a mechanical device which used metal rods and punched cards to solve math problems. The invention of electronic computers, and vacuum tubes, made these devices useful in code-breaking during World War II. Since then, advancing technology has made computers smaller, faster, and cheaper by many orders of magnitude, changing them from gymnasium-sized monsters only ownable by governments, corporations, and universities to tiny devices that are everywhere. Computers have already affected every aspect of society, including science, business, government, personal life, and the writing of newspaper columns. If their amazing advancement continues, computers will one day rival the power of the human brain.

Communications: In 1900, long-distance telephone calls were carried by "repeaters," human operators stationed along the route of a call who parroted conversations to each other down the line. Not until 1915 was this awkward system replaced with a transcontinental vacuum tube network. Telephone calls between North America and Europe did not become possible until 1956. The first home televisions, with impressive 3-inch screens, were made in 1928. Today we have cell phones linked to satellites, the first high-definition televisions, and the World Wide Web. It may soon be common to use a single device for all kinds of communication.

The world of 1900 seems alien to those of us born only a few decades ago; the sheer magnitude of this century's changes is amazing. Is it partly because we don't often think about the past, and assume that the world has always been the way it is now? By looking at the twentieth century and its events, we can better grasp the vast changes which have marked the past 100 years, and realize how strange our time is going to seem to the inhabitants of 2100.

Heeding the Fire Warning

Veena Thomas

Recently the Dormitory Council and the Residential Fire Safety Committee announced plans to schedule mandatory fire safety inspections for every dorm room, beginning in the fall of this year. Some students were undoubtedly appalled by the idea of room inspections and a fear that "Big Brother is watching." In reality, other colleges routinely conduct room inspections for fire hazards, and have far stricter rules than MIT with regard to fire safety. Other college students are prohibited from lighting candles in their dorm rooms for fear of fire, and some are even asked to remove dried roses from their walls, the colleges citing them as fire hazards.

It's about time that MIT cracked down on fire safety, most evident with the formation of the new inspection policy. Every school-age child understands the danger of fire. We are taught from an early age not to play with matches. Preschoolers can chant "Stop, drop, and roll," which is drilled into their heads as soon as they are old enough to talk. Growing up with frequent fire drills, we are taught to leave the building as soon as possible, while avoiding elevators, making sure that the door feels cool before leaving, etc. We all know the drill by heart.

So when does this break down? Apparently it breaks down sometime in the college years, as those old enough to know better forget even the most fundamental rules of fire safety.

Witness an event last week, where the Burton-Conner fire alarm went off at 3 a.m. The ear-piercing siren is nearly impossible to sleep through. There's no mistaking the sound of the alarm for anything else. So at which point do people decide that the fire alarm must be insignificant and ignore it? What happened to all those years of incessant training?

Most people responded to the fire alarm appropriately, perhaps only stopping briefly to grab a coat before evacuating the building as rapidly as possible. Residents of Burton-Conner flooded outside, half-asleep. Peering back at the dormitory, I noticed something strange: through the windows in the stairwells I could see throngs of students huddled on the stairs, still inside the building. I doubt that fire safety rules have changed so dramatically from when I was a kid to now allow students to remain inside a potentially burning building, as long as they stay on the staircase. Granted, it was the middle of the night, the wind-chill outside was probably less than zero degrees, and having to stand outside half-dressed at 3 a.m. was probably the last thing anyone wanted to do. Still, that does not excuse anyone's behavior. It's far better to be cold and alive than burned to death.

The next day word arrived that the alarm had gone off the previous night due to a pull station on one of the floors. Rumor had it that it was a prank, though no official word was released. Angry e-mails flew back and forth on the dorm mailing list, demanding justice for the supposed malicious prank. It's unthinkable that people think it's amusing and funny to pull the fire alarm, and evacuate sleeping people into the bitter cold.

We know the story of the boy who cried wolf: eventually when there was really a wolf, no one believed him. Ironically, a tragic example of this happened the same exact same night. Three students were killed and 54 were hurt in a Seton Hall University dorm fire. The fire alarms rang, but many students chose to ignore them, lulled by a false sense of security imparted by a series of false alarms before winter break, including four on the first night of finals. Students assumed that the sirens blaring signified nothing more than another prank, and so rolled over and tried to go back to sleep. When students heard screams and saw others covered with soot, and saw thick black smoke, they finally realized the gravity of the situation and left the building. Even so, three other students only left the building more than two hours after the fire, somehow still not understanding what was happening.

MIT has a habit of only taking action after something serious happens. Luckily the new fire safety policies are proactive rather than reactive, and are to be commended. Still, it is up to the students to ensure that they behave intelligently in the event of a fire or a fire alarm. Don't ever assume the alarm is "just a prank" and not to be obeyed. As three Seton Hall students found out, it could cost you your life.

Why Iowa Doesn't Matter

The Caucus System Depresses Turnout and Excludes Independents.

Michael J. Ring

The Iowa caucuses are over. Let the spin begin:

Al Gore and George W. Bush are victors because, well, they won.

Bill Bradley won a moral victory because he held Al Gore to less than a 2:1 margin.

Steve Forbes won a moral victory by finishing only 11 points behind Bush, allowing him to emerge as the conservative alternative.

Alan Keyes won a moral victory with a solid third-place showing despite running his campaign on a shoestring, allowing him to become the true conservative for those who don't trust Forbes.

And so these games will continue until New Hampshire.

But how much should the rest of the nation draw from the Iowa caucuses? Not much.

Except for weeding out the weakest of the weak candidates like Orrin Hatch, the Iowa caucuses prove and predict little. They are an exercise in political curiosity and not much more.

The problem is the caucus system itself. The process used in Iowa is dominated by party ideologues and foot-soldiers, effectively disenfranchising a large percentage of the population.

To a political tyro or the faint-of-heart, the process is very intimidating. Iowa Democrats do not employ a secret ballot; a caucus attendee must publicly state a preference for a candidate. Iowa Republicans do have a secret ballot, but gathering with a small group of neighbors and listening to them talk about politics can still be disconcerting for the politically uncourageous.

The great utility of the primary system is

its ability to attract Independents to the polls. Since Independents are the fastest-growing group bloc of voters nationally, and their numbers now top 40 percent of registered voters in many states, a truly reflective nominating process must include these voters.

In theory, Iowans registered as Independents could switch their registration to either of the parties to attend the caucus. But few actually do.

The problem is the caucus system itself. The process used in Iowa is dominated by party ideologues and foot-soldiers, effectively disenfranchising a large percentage of the population.

Many voters choose to register as Independent not because of centrist ideology but because of a distaste of political parties and gridlock politics. Do you think a lot of Independents who loathe "politics as usual" are going to enjoy a Democratic or Republican caucus fight between union bosses or evangelical Christians?

With the effective exclusion of Independents and political novices, it's no wonder that the overwhelming majority of Iowans skip the caucuses altogether. Indeed, voter turnout at Monday's events was estimated at a miniscule

11 percent. Such poor turnout allows party bosses to control the caucuses; it's no wonder their favored candidates, Bush and Gore, won. The small number of caucus attendees also amplifies the effect of a special interest group like evangelical Christians — hence the success of Forbes and Keyes.

Iowa's track record of predicting future presidents is poor. In 1980, Iowa Republicans chose George Bush in their caucus; Ronald Reagan won the White House. In 1988 Dick Gephardt and Bob Dole won the Iowa caucuses; Michael Dukakis and George Bush were the party nominees.

Next week's vote in New Hampshire will also be overplayed, but not to the extent to which Iowa's caucuses were overcovered. New Hampshire does matter more. The Granite State's primary process allows Independents to vote and offers a secret ballot, thus allowing all voters to feel comfortable exercising their right. Turnout will assuredly be a lot higher than 11 percent. And since 1952, only one person — Bill Clinton — has been elected president without winning the New Hampshire primary, and Clinton's close second-place finish after surviving the Genifer Flowers scandal in 1992 was a moral victory. While we don't need to have the candidates stalked by an army of media around the clock in New Hampshire for the next week, we should pay some attention to the final result.

With the primary schedule approaching warp speed, there are a scant few weeks remaining until both parties have selected their presidential nominees. And in those weeks the Iowa caucuses will quickly fade from memory — a milestone on the presidential campaign trail significant for being first, and nothing more.



Schedule of Events

12 noon	Opening ceremonies <i>with the Logarhythms</i>	Lobby 7
12 noon to 4pm	Classes start	Lobbies 7 and 10
2pm	"Who Wants to be a Charminaire" <i>with your host Jay Keyser • Prizes from the Coop</i>	Lobby 7
	Ballroom Dance lessons/exhibition	Lobby 13
	Refreshments	Lobby 13
	Commencement check-in starts Redeem your charm school credits!	Lobby 13
3pm	Door Prize Drawings \$50 gift certificate to J. Crew \$50 gift certificate to Abercrombie & Fitch \$50 gift certificate to Banana Republic <i>You <u>must</u> be present to win!</i>	Lobby 13
4pm	Final Ballroom Dance performance	Lobby 13
	Commencement line-up Reception	Lobby 13
4:25pm	Graduate Prize Drawings: Bachelors: \$25 certificate to Miracle of Science Masters: \$50 certificate to Cheesecake Factory PhD: \$75 gift certificate to Sydney's Grill at UPH <i>You <u>must</u> be present to win!</i>	Lobby 13
4:30pm	Commencement procession <i>with the Chorallaries</i>	
	Commencement Dean of Charm, Travis R. Merritt	Lobby 10

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THE ARTS

FILM REVIEW

Cradle Will Rock

Long Live Art!

By Vladimir Zelevinsky

ARTS EDITOR

Written and directed by Tim Robbins
With Emily Watson, Hank Azaria, Bill Murray, Vanessa Redgrave, John Turturro, Cherry Jones, Joan Cusack, John Cusack, Susan Sarandon, Ruben Blades, Cary Elwes, Angus MacFadyen, Philip Baker Hall, Jamey Sheridan

Some films grab your attention from the very first shot and don't let go; *Cradle Will Rock* is a great example, starting on a high note and actually managing to top itself, becoming better and better as it goes along. Even the opening titles are startling: a superposition of a frivolous jazzy tune setting the time period and a title card, an icon in the style of Soviet agitprop art, replete with the image of a hammer and an anvil.

The opening that follows (it pretends to be one ten-minute shot, but is actually comprised of three elaborate tracking shots) is nothing short of masterful, a stunning sequence that manages to encapsulate the entire universe where the film takes place, the main characters, and the complexity of interweaving action and meaning. It also cannily incorporates a newsreel of the day, making an effortless historical introduction and rendering the opening text crawl rather unnecessary.

For a good part of its running time, *Cradle Will Rock* feels like the film *Magnolia* wanted to be but couldn't (from an artistic point of view; the meaning of these two films is vastly different). It is an epic canvas with a multitude of characters, linked together in unexpected ways, and multiple plot strands breathlessly edited together, each reinforcing the other ones. It's also

visually arresting (something that I really didn't expect, since writer/director Tim Robbins's previous film, *Dead Man Walking*, was consistently visually drab), with glowing cinematography and frequent breathtaking moments.

The whole story is centered around a federally-funded theatre project, which served to simultaneously cut unemployment among the actors — and bring art into the masses. One play in production is a musical by Mark Blitzstein (Hank Azaria, who fills the role perfectly). The play, "The Cradle Will Rock," is directed by none other than Orson Welles (Angus MacFadyen, doing entirely too much clowning). Robbins uses this merely as a central strand in his brightly-colored social tapestry, which reaches such far-off figures, real and invented, as Nelson Rockefeller (John Cusack, sporting a much better haircut than that he had in *Being John Malkovich*) and a bitter ventriloquist, Tommy Crickshaw (Bill Murray, in another stunning portrayal of middle-aged disillusionment, akin to his Mr. Blume from *Rushmore*).

It is simply impossible to comment on all the performers in *Cradle Will Rock*; not only does the cast list read as a virtual who's-who of contemporary acting talent, but they are almost all consistently excellent; I can single out just a few. Emily Watson by now should have a copyright on the psychologically wounded young woman with strong moral fiber, but this doesn't detract from the fact that here, as always, she nails every single moment her character is on screen. Cary Elwes (*The Princess Bride*), on the other hand, in the past was either miscast or simply not very good; here he plays the musical's producer, a walking caricature, to be sure, but Elwes makes it a perfectly believ-



DEMMIE TODD—TOUCHSTONE PICTURES

The art and theater world of the 1930's New York City is the backdrop for *Cradle Will Rock*, starring (from left) Philip Baker Hall, Susan Sarandon, and John Cusack.

able — not to mention downright hilarious — caricature. Vanessa Redgrave is even funnier, playing a noble countess as giddy and excitable as a little girl at a party.

The most impressive performance, though — and the most understated one — is courtesy of one of the least known names in the cast, Cherry Jones, who plays Hallie Flanagan, the Theatre Project's supervisor. One of the best scenes in the film has her interrogated by a Washington committee which suspects her of Communist Propaganda (and that twenty years before McCarthy). Robbins uses the real historical transcripts of this deposition, and makes them sound both funny and disturbing. The delicious irony is that the boneheaded politicians accused the Theatre Project of communist inclinations, while themselves trying to control art in a true communist tradition.

In case all of the above sounds too high-minded, make no mistake: *Cradle Will Rock* packs plenty of punch, with its clearly-cut (but perfectly distinct) characters, and

crowd-pleasing dynamics. The main conflict might feel a bit too spelled-out at some times, but very soon it becomes clear that Robbins is working in the very genre he's championing, the genre of socially responsible art, in this case mostly theatre.

The only time when *Cradle* loses some momentum is during its climactic performance of the titular musical. By this time, most of subplots already merged into one or two, so there is less possibility to cut between the strands. There's only so many times one can cut to Redgrave's character laughing and applauding before its starts to feel somewhat forced.

But the end picks up again, when it becomes abundantly clear what precisely won in the war between art for the working class and art for the rich. Robbins makes his point with a wildly unexpected, sublimely funny, and witheringly sardonic final shot; a fitting conclusion for a film that was immensely entertaining from its first frame to its last.

FOOD REVIEW

The Essential Vegetarian

Who are the vegetarians in your neighborhood?

By Katie Jeffreys

FEATURES EDITOR

Last week I included a quote from Plutarch which addressed animal rights. He asked why man originally chose to eat a dead animal; what the appeal of flesh was. I heard some very violent responses to the passage, which was sort of the point.

One friend said she was eating lunch while reading my column, and grew nauseous. That was the same reaction I had, only I felt better knowing that I did not have to justify my dietary habits. It is so frequent that I must defend my choice to abstain from meat. It is the ideas presented by Plutarch that turn the tables and remind the average meat eater that they too should make conscious, informed decisions of what they put into their bodies.

On a related note, I would like to address the highly touted Atkins diet. According to the Atkin's Center <<http://www.atkinscenter.com/>>, the Atkins diet promotes "a lifetime nutritional philosophy, focusing on the consumption of nutrient-dense, unprocessed foods and vita-nutrient supplementation." More significantly, "the Atkins diet restricts processed/refined carbohydrates (which make up over 50 percent of many people's diets), such as high-sugar foods, breads, pasta, cereal, and starchy vegetables."

I personally think this diet is, for most people, overrated. Of course if you are going to restrict your diet in any way (be it meat or carbohydrates) it will change your health. For example, by eliminating carbohydrates (which includes all simple sugars, even those from fruits) will increase the amount of meat and dairy consumed, thereby increasing saturated fat. Such a restriction will also probably lead to less calories being consumed. So of course whoever follows this diet strictly will lose weight.

Of course, many of the same criticisms can be made about vegetarianism, so I would advise anyone making these choices to ensure that they consume a nutritionally balanced diet.

Good Mexican food is hard to come by in Boston (not surprising since it is nowhere near Mexico). Yet this fall Cambridge was graced with Austin Grill, a fun, vegetarian friendly restaurant which offers a wide range of Mexican favorites. I sampled a wide range of their menu, and found the choices to be a bit hit-or-miss.

The Lake Travis nachos, topped with black beans, Monterey Jack cheese, and grilled vegetables were outstanding. Likewise, the grilled vegetable burrito was delicious and bursting with vegetables and beans. The cheese enchilada came off as corn tortillas buried in a sea of oily cheese. The daily soup, vegetables and rice

in a tomato-based broth, was also not stunning. Rumor has it that the portobello mushroom fajitas are outstanding.

The atmosphere of the restaurant, located in University Park at 350 Massachusetts Avenue, is very festive. The umbrellas over the tables, lights strung around the perimeter of the room, and the amazing sparkling fiber optic ceiling add to the general picnic ambiance. Service is prompt and friendly, and the staff is primarily young and enthusiastic. Overall I found that Austin Grill was clearly superior to its competitors (Chili's, Picante, etc.) in Boston.

To close this week, I would like to mention that if you have read Daniel J. Katz's absurd column this week, you may be interested to know that his, to quote him, "SSO" (somewhat significant other) has been a vegetarian for over six years. Touché.

As always, e-mail me comments and questions at <veggie@the-tech.mit.edu>. This week's recipe is for vegetable enchiladas. Enjoy.

Vegetable Enchiladas

4 Corn tortillas
1/2 cup Cubed eggplant
1/2 cup Salsa sauce
1/4 cup Grated zucchini
1 tsp. Olive oil
1 tbs. Sherry, optional
1/3 cup Thinly sliced onions
1/4 can Diced green chilies
1 Garlic clove, sliced
2 tbs. Minced cilantro

Place tortillas in shallow pan. Spread salsa over them to soften them. Let sit for 5 minutes. Turn tortillas over & coat the other side.

While the tortillas are softening, heat oil in a skillet and sauté the onion for 3 minutes, stirring frequently. Add garlic, eggplant, zucchini, and sherry if using. Cook, stirring often, for 5 minutes or so, until the eggplant begins to stick. Remove from heat and stir in chilies.

Pre-heat oven to 400°F. Lightly oil a baking tin. Remove each tortilla from the sauce and fill with one quarter of the sauteed vegetables.

Roll up tortillas and place seam side down in baking tin. Top with the rest of the sauce and cilantro. Bake for 15 minutes, until evenly browned.


Yield: 4.

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ON THE SCREEN

— BY THE TECH ARTS STAFF —

The following movies are playing this weekend at local theaters. The Tech suggests using <<http://www.boston.com>> for a complete listing of times and locations.

- ★★★★ Excellent
- ★★★ Good
- ★★ Fair
- ★ Poor

American Beauty (★½)

An extremely annoying movie: this deadpan black tragicomedy is a laughable failure as a work of art, being pretentious, simplistic, and self-important. Excepting a truly remarkable performance by Kevin Spacey (whose part is disappointingly small), there's nothing to this movie beyond tortured metaphors, caricatures instead of characters, and a messy pile-up of red herrings instead of a plot. — Vladimir Zelevinsky



SUZANNE TENNER—COLUMBIA PICTURES

Susanna (Winona Ryder, above) and Lisa (Angelina Jolie) in the Columbia Pictures presentation, *Girl, Interrupted*, which takes place in a 1960's mental hospital.

Anna and the King (★★½)

Chow Yun Fat is an Oscar-worthy scene-stealer with riveting screen presence as the Thai King Mongkut; the only other three-dimensional character is played by Bai Ling in a passionately sincere performance. Jodie Foster disappoints for the first time as the British governess Anna Leonowens. See the movie for the stunning visuals: gorgeous, sprawling epic

sets, beautiful details, and the regal Chow Yun Fat's performance which keeps lighting up the screen. — Zarminae Ansari

Being John Malkovich (★★★½)

A film so different, so whacked-out, so original, and totally unlike anything else out there — like Monty Python at their most deadpan hilarious. An unconventional mixture of comedy, satire, and frighteningly deep ruminations on the nature of personality. — VZ

The Cider House Rules (★★★)

Despite the fact that the protagonists' name is Homer, this film ends up feeling less like a Homeric epic and more like a Norman Rockwell painting: hardly great art or even art at all, but something with instantly recognizable humanity and an overall impact that can hardly be ignored. Credit this mostly to luminous acting and the screenplay's understated emotional complexity. — VZ

Cradle Will Rock (★★★½)

A rich, visually inventive, amazingly-acted, and consistently hilarious tapestry of art set in the 1930's, weaving together characters from John Cusack's Nelson Rockefeller to Emily Watson's homeless street performer. A perfect opening sequence, a perfect closing shot. — VZ

Dogma (★★★)

The latest film by Kevin Smith combines the elements of a mystery, suspenseful thriller, surreal fantasy, action movie, and black comedy to produce an engaging examination of religion. Although some may be put off by his irreverent approach, and the topics he brings up are never fully explored, a fairly novel story, excellent cast, and interesting ideas make this a movie that will covertly bring fodder for discussions on religion to the masses. — Fred Choi

Galaxy Quest (★★½)

Not quite the *Star Trek* parody that it starts out like; more of a *Star Trek* rip-off, with the same stupid computer graphics, fake sets, plot holes (all of the above rather irritating), and general air of amiable nonsense (very enjoyable). It's also neat to see a bunch of good actors having fun. Rather stupid, really; at the same time, rather cute. — VZ

Girl, Interrupted (★★½)

Exploring the struggles of a teenage girl in a mental hospital, Winona Ryder manages the lows but not highs of her character effectively, creating a somewhat skewed view of the movie. However, Angelina Jolie and Brittany Murphy are excellent supporting actresses and serve to balance the movie, while the rest of the acting is lukewarm. Additionally, the dra-



ANDREW COOPER—FOX 2000 PICTURES

King Mongkut (Chow Yun-Fat) enjoys the company of his many children.

matic details, such as the lighting, create moods and scenes that are compelling, but that do not make up for the lack of plot. — Amy Meadows

Magnolia (★★½)

A sprawling incoherent mess of a movie, with a story and characters that manage to be both jaw-droppingly obvious and make no sense whatsoever. On the other hand, the annoying narrative bombast is compensated by great visual verve, and the climactic sequence is simply the most wildly creative bit of filmmaking of 1999, even though it has nothing to do with the rest of the movie. — VZ

The Sixth Sense (★★★½)

Cole Sear is a young boy whose special power, "the sixth sense," enables him to perceive the ghosts which, unbeknownst to the rest of the world, walk among us every day. Bruce Willis plays the psychologist trying to help him. The strength of their performances carries the movie past its slight flaws, making *The Sixth Sense* one of the best movies of the summer. — Tzu-Mainn Chen

Sleepy Hollow (★★½)

Very loosely adapted from Washington Irving's tale of the Headless Horseman, this film features huge lavish sets, wall-to-wall special effects, astounding cinematography — and a bland, boring, mediocre screenplay. Johnny Depp is fun, playing Ichabod Crane as a mixture of action hero and frightened schoolgirl, while Christina Ricci looks lovely but is otherwise wasted. — VZ

The Talented Mr. Ripley (★★★)

A lot to recommend: a complex plot, accomplished acting (Matt Damon and Cate Blanchett especially), and gorgeous visuals; especially impressive is the degree to which the audience gets to understand and identify with the film's immoral protagonist. A bit too slowly-paced, though. — VZ

Three Kings (★★★½)

As one of the most creative films of the year, David O. Russell's third film *Three Kings* marks his strongest directing effort to date. When American soldiers set out to find Saddam's stolen gold bullion, they also find Iraqi citizens in need of their help. In their efforts to help, the characters are forced to question the point of America's involvement in the Persian Gulf. The creative use of the camera makes for powerful images that help drive the film's message home. — Michael Frakes

Toy Story 2 (★★★½)

An instant classic, one of the most creative and fun movies of the year, this completely computer-generated sequel about the adventures of a bunch of toys is clever, funny, complex, and, most surprisingly, deeply emotional. — VZ

The World is Not Enough (★★½)

The nineteenth James Bond adventure is a rather disorienting experience: everything that is supposed to work in a 007 adventure (stunts, gadgets, babes, exotic locations) is underused, while the acting, especially from Sophie Marceau, is spectacular. — VZ

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Past summer interns have worked in the White House Office of Science & Technology, the White House Office of the First Lady, the US House of Representatives Science Committee, the US Senate Leadership Committee, the US Department of Energy, the American Association for the Advancement of Science, the American Association for World Health, NASA, the March of Dimes, the Center for Democracy and Technology, the Congressional Research Service, the World Bank, the Children's Defense Fund, Brookings Institution, the Economic Policy Institute, the Institute of Medicine, and the MIT Washington Office.



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CONCERT REVIEW

Sarah Slean

Canadian Invasion

By Ryan Ochylski
MANAGING EDITOR

The Coffeehouse transformed into an intimate concert setting for the *State of the Airwaves* "Show of the Week" featuring headliner Sarah Slean along with Tory Cassis and Kurt Swinghammer.

Slean offered a set rich in contrast — serious songs and piano-playing complemented playful banter all evening. She immediately excited her loyal followers among the capacity crowd by premiering song that she "didn't even mean to play." Newer songs were the theme of the night, as Slean went on to play only one song from her first album, *Universe*, and two other songs that don't appear on either *Universe* or her second album, *Blue Parade*.

"Last Year's War" was the expected, but still good song about past troubles in her love life. "Sweet Ones" was her message to cool people — if you think you're cool, you're not. My unasked question concerning this issue was whether that means thinking you're uncool makes you cool, or if that just means that no one at all is cool.

Slean's backup band of guitar, bass, and

drums provided a great backdrop against which Slean stood out brilliantly. The solo piano and female vocal genre, which Slean did very well when it was called for, is fine but the coordination with the rest of the band was terrific. One instance stands out — Kurt Swinghammer mimicked Slean's voice precisely with his electric guitar during one of the later songs in the set.

While most of her audience interaction was well-received, there were a few awkward moments. Sometimes it seemed that she and the audience weren't quite on the same page. One glaring example of this was her attempt to explain "My Invitation" to an MIT audience. The song talks about being shy, and consequently approaching a love interest by letter instead of in person. She told everyone that she was sure that could relate to this situation since, well, they were MIT students. An uncomfortable silence followed.

Cassis, who performed on both the guitar and trumpet, opened with the title track from his CD *Anywhere But Here*, a dark, mostly slow song that accentuated his brooding voice.

Most of his songs were followed a pattern that became familiar: start with slow tempo guitar and vocals. Bring in the bass, drums, and lead guitar. Give the lead guitar a solo. Finish up vocals. Nonetheless, Cassis had this formula perfected, and most of the audience appeared to be enjoying the music.

Things started to liven up a bit during Cassis' set when he brought Slean out to help out on "As the Days Are Long." She accom-

panied him on piano and contributed vocals to the chorus.

Cassis finally brought out the trumpet for the next to last song in the set. The vibrancy the trumpet lent "The Liars Song" made it stand out from the slower, almost country-western-without-a-twang feel of the rest of the show. Cassis went so far as to introduce "It Never Hurts to Ask" as his attempt at a country song.

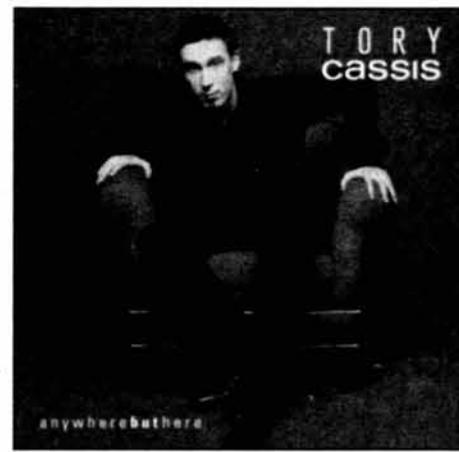
While Cassis was listed as the official opener, a member of the band, Swinghammer, warmed up the audience with a solo act. (Impressively, the same band played for both Slean and Cassis.) With only acoustic guitar and voice, he provided vocals, chords,

and percussion in the most intellectual performance of the night. He led off with a song called "Relativity" that featured a summary of the theory of relativity set to song.

He followed "Relativity" with a couple songs off his concept album, *Vostok 6*. The album is a tribute to the Russian cosmonaut Valentina Tereshkova, the first woman in space. He described his album as a mixture of Burt Bacharach and Kraftwerk (although he performed sans synthesizer Friday) and launched into an inspired cover of Bacharach's "There's Always Something

There to Remind Me."

This show was the first in a series of *State of Airwaves* concerts.



GAME REVIEW

Donkey Kong 64

Quest for the Golden Bananas

By Aaron Isaksen
STAFF PHOTOGRAPHER

For the Nintendo 64
Game by Rare

Donkey Kong is back: he's in 3-D and has never looked better. K. Rool, an evil lizard king, has captured Donkey Kong's four monkey friends, Diddy Kong, Tiny Kong, Lanky Kong, and Chunky Kong, and he's stolen all of the Kongs' treasured golden bananas. Your quest is to free the Kongs, reclaim all 200 golden bananas, beat a bunch of level bosses, and finally defeat K. Rool. Along the way, you'll have to obtain special powers, find secret blueprints, smash houses with a rhino, shoot switches with your coconut gun, play the bongos, guitar, and trombone, and much more.

Donkey Kong 64 is a platformer: the type of game like *Gex*, *Mario World 64* or *Tomb Raider* where you have to swim, climb, jump, and run through a 3-D world. Instead of playing from Donkey Kong's point-of-view, you'll follow along from a floating camera tracking the gorilla's every move. The control takes a little getting used to if you are not familiar with these types of games, because the camera's orientation swings rapidly while you are moving your monkey around. If you are used to platformers, you'll have no problem at all.

You start the game as Donkey Kong. After completing some simple training screens, you venture to eight different worlds to rescue the four other Kongs and collect all the golden bananas. Once you free one of the Kongs, you can play as him or her. You'll have to do that, as each level has 5 golden bananas to be collected by each Kong. Donkey, Diddy, Lanky, Tiny, and Chunky each have different talents, different quests to complete, and different personalities.

DK64 is huge: I've played it for over 9 hours (it keeps track for you) and I've only completed 14% of the game. Keep in mind this is the easiest 14% of the game, so I expect it to last a long, long time. You'll free up the monkey buddies fairly early on; I've already freed Diddy, Tiny, and Lanky. But, getting the 200 golden bananas and finding all the worlds should take quite a while: I've only gotten 31 golden bananas and only been to three worlds.

You'll spend a lot of time exploring the worlds to unlock other parts of the game.

There is a lot of variety: you can speed along in a mine cart which looks almost exactly like Thunder Mountain at Disneyland, race down a water-slide, swim through plenty of rivers and lakes, explore Aztec temples, fly a jet-pack, and even play the original Donkey Kong arcade game. There isn't too much fighting to do, as the easy-to-beat monsters are relatively sparse.

The graphics are the best I've seen on Nintendo 64, partly due to the included expansion ram which boosts your N64 up to 8MB. The free expansion ram is a nice bonus, because a lot of the newer games coming out look a lot better with it. *DK64* will only run if you have the expansion ram; that might make it difficult to share the game with other N64 owners.

If you get tired of reclaiming golden bananas by yourself, *DK64* includes some multiplayer fighting mini-games to play with your friends. Once you rescue a Kong, up to four people can fight each other in a variety of small mazes. It's a bit like *Goldeneye*, but a lot simpler. The multiplayer game didn't entertain me and my friends for too long, but then again, I don't like those types of sniper games too much.

My biggest complaints with *DK64* are the lack of an interesting story and the requirement to watch all the mini-movies every time you enter a new level. There isn't too much to learn from the mini-movies other than that K. Rool is a bad guy. Unfortunately, you have to watch them, even if you've seen them before. I prefer it when games allow you to hit a button to skip the intro movies.

I highly suggest getting one of the many strategy guides for *DK64* that you can get at any book store for about ten dollars. These tell you how to get every golden banana, supply you with maps of all the levels, and gives hints on how to beat the bosses. I really appreciate using the guide — sparingly — because I don't like wandering around looking for that one banana which I've accidentally missed.

Donkey Kong 64 is a great-looking platformer, with some of the best graphics ever released for N64. This game has a lot of variety which will keep you interested and surprised. It comes with an expansion ram which plugs into your N64; it might make games you already own look even better. It's also one of the biggest games released for N64, so you'll be playing it for a long time.

MUSIC REVIEW

State of the Airwaves

Social Club, Sellouts, and Someday

By Dan Katz
STAFF WRITER

Question: what's more depressing than a winter week with only a couple of decent concerts? (See previous installments of my column from, well, any week during IAP.) Answer: A winter week with only a couple of decent concerts, none of which you can go to. The *Airwaves Show of the Week* is a double bill of Guster on Friday in Worcester and Saturday in Boston; unfortunately both shows are sold out. Also highly recommended are two evenings with the Buena Vista Social Club at the Orpheum Theater on Monday and Tuesday; once again, both shows are sold out. Want to avoid such a fate in the future? The Boston Phoenix runs a weekly "Hot Tickets" column that reviews the more mainstream tickets currently on sale. You're not going to find listings of all the best concerts in town (hey, that's what I'm for), but you'll hear about most of the shows that are big enough to sell out before they do.

Speaking of selling out, I got an e-mail last week in reference to my diatribe about punk bands being labelled sellouts by their fans. (All hail Dan, the god of segues.) Essentially the counterargument was that success is not equivalent to getting a video on MTV and that when a band radically changes their style of music to become more accessible, they're deserting their long-time fans. I agree with the latter notion, but I feel my point was totally misinterpreted. My attack was mainly based on people who desert their favorite bands just because suddenly everybody else likes them. Look at Reel Big Fish: "Sellout" and "She Has A Girlfriend Now" were relatively similar to the band's other songs, but fans started to get sick of them just because the rest of the world had suddenly discovered them. In terms of success, I'm not saying that you have to be overplayed to be a good band. (In fact, for the most part, my column vehemently denies this.) But as a musician, I know that the ultimate goal is for people to hear and enjoy your music, but to do it without compromising your integrity. You shouldn't change your sound to pop for the masses, but if your fan base consists of twenty people, then you want to find some way to reach out to more. When those twenty people start whining, they're just being selfish.

Well, I'm excited and disappointed at the same time about this next issue: the new Cure single, "Maybe Someday," has hit radio. First let's look at the bright side — it's always awesome to hear new material from The Cure, and "Maybe Someday" is a very good song, but to me it's a bit underwhelming. Since their last album, the band has appeared in various settings; they did an amazingly trippy cover of "World In My Eyes" on the Depeche Mode tribute album, they created fabulous electronica-based songs called "Wrong Number" and "More Than This," and half the band made a killer rock song called "A Sign From God" under the name COGASM with Reeves Gabrels. I like the old Cure sound, but I adore the new spacier Cure sound, and was looking forward to an album full of songs in that vein. "Maybe Someday" embraces the band's older more guitar-based sound, which is not entirely a bad thing, but it's not a good sign for those of us who were looking for more edgy material from the band.

But now I must move on to a grave and important matter. Those of you following the gripping grey box war between my column and *The Essential Vegetarian* may have noticed a recent lack of offense on the part of my archnemesis Katie Jeffreys. For several weeks, she stopped mentioning my crusade against her herbivorous ways, and then last week she shocked the world by saying something (gasp) nice about me. Taking into consideration these points as well as observations of her behavior toward me here at the office, I am forced to reach a horrifying conclusion: *The Essential Vegetarian* has taken leave of her senses and fallen in love with me. I am touched and flattered, Katie ... but alas, I long for a girl who appreciates the texture and taste of filet mignon between her teeth. Eat a pork chop and call me, and perhaps I may answer your desperate ring.

IAP's got me sleep-deprived and nocturnal and eager to answer your e-mail. Get your last minute votes in for the *Airwaves Reader Awards* (the best of the year in albums, singles, live acts, local acts, and music videos), tell me why my appraisal of the punk rock fan base is totally wrong (which I know at least one person will), try to convince me tofu is the central purpose for all existence, or throw out anything else that's on your mind. We'll chit-chat, we'll network, and maybe you'll get a mention in the column. Until next week, as spring term begins and my life becomes even more hellish, keep expanding your horizons.

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1140 Boylston St.
Free student recitals and faculty concerts, 4 p.m. and 7 p.m. some weekdays. For info. on these concerts, call the Performance Information Line at 747-8820.

Feb. 4-5: Margaret Cho \$36.50-\$26.50.
Feb. 26: John Edward \$69-\$39.
Mar. 4: Diana Krall \$38-\$30.
Mar. 18: Bruce Cockburn \$26.50-\$24.50.

Centrum Centre
Ticketmaster 931-2000.

Mar. 25: Britney Spears. Sold Out.
Mar. 30: Korn. Sold Out.
Mar. 31: Korn \$29.50.

The Middle East
Ticketmaster: 931-2000.
Ticket prices vary. Call 354-8238 for more info.

Jan. 26: Groovetube (with The Annonymus Richard, Dr. Akward and Raymond.)
Jan. 27: New Wet Kojak.
Jan. 27: Project Logic (featuring DJ Logic from Medeski, Martin and Wood)
Jan. 28: Uncle Sammy.
Jan. 29: Rippopotamus.
Jan. 29: Solpatch.
Feb. 12: Lee "Scratch" Perry.

Orpheum Theatre
Ticketmaster: 931-2000
Feb. 6: Marc Anthony. \$56, \$43.50, \$30.50.
Feb. 19: The Kids in the Hall. \$37.50, \$32.50, \$27.50.

Jazz Music

Regattabar
Concertix: 876-7777

Jan. 27-29: Ahmad Jamal. CD release party.
Feb. 2-5: Toots Thielemans and Kenny Werner.
Feb. 11-13: Tommy Flanagan Trio.

Scullers Jazz Club
(All performers have two shows per day unless otherwise noted.)

Jan. 26-27: Jeff "Tain" Watts.
Jan. 28-29: Marian McPartland Trio.
Jan. 31: Just The Sax.
Feb. 2: Ray Santisi.
Feb. 3-4: Carol Sloane Trio.
Feb. 5-6: Jean Carne & Angela Bofill.

Classical Music

Philip Glass's Akhnaten

Jan. 26, 28, Feb. 1, 4 at 7:30 p.m.; Jan. 30, Feb. 6 at 3:00 p.m. at the Shubert Theatre, 265 Tremont St., Boston, MA 02116. The Boston Lyric Opera presents the third of famed American minimalist Glass's "portrait operas," based on the life of Egypt's first monotheistic ruler. Sung in English, Hebrew, Egyptian Arabic, and the ancient Semitic language Akkadian, with English surtitles. Tickets \$26-\$108, call 1-800-447-7400. In addition, a pre-performance lecture takes place one hour prior to each performance at the Tremont House Hotel, next to the Shubert Theatre. The lecture is free to all ticket holders. For further information, call the BLO at (617) 542-4912.

Boston Symphony Orchestra
Tickets: 266-1492.
Performances at Symphony Hall, 301 Massachusetts Ave., Boston unless otherwise noted. For MIT Students: Tickets are offered for Thursday evening concerts (8pm) and Friday afternoon concerts (1:30 p.m.) and are available on the day of the concert only at the BSO Box Office at Symphony Hall (301 Massachusetts Ave., Open 10 a.m. - 6 p.m.). Two tickets may be obtained with two current valid MIT student IDs, subject to availability. For updated MIT student ticket availability, call 638-9478 after 10 a.m. on the day of concert.

Jan. 27-29: Dvorak: The

On The Town

A weekly guide to the arts in Boston
January 26 - February 2
Compiled by Fred Choi

Send submissions to ott@the-tech.mit.edu or by interdepartmental mail to "On The Town," The Tech, W20-483.



Pianist Murray Perahia will be performing with the Boston Symphony Orchestra February 3-8.

Golden Spinning Wheel; Bartok: Piano Concerto No. 1; Brahms: Symphony No. 2. Peter Donohoe, piano; Sir Simon Rattle, conductor. Call for availability. Pre-concert talk given by Jan Swafford at 7 p.m. before each performance.

Feb. 3-5, 8 : Beethoven: Leonore Overture No. 2; Piano Concerto No. 1; Poulenc: Stabat Mater. Bernard Haitink, conductor; Murray Perahia, piano; Tanglewood Festival Chorus, John Oliver, conductor. Pre-concert talk given by Jessie Ann Owens at 7 p.m. before each performance.

Luciano Pavarotti In Recital

Jan. 26 at 8 p.m. at Symphony Hall (301 Massachusetts Ave., Boston). Legendary tenor Luciano Pavarotti will perform in recital with Leone Magiera, pianist as part of the BankBoston Celebrity Series. The performance will mark the 25th Anniversary of the tenor's Celebrity Series debut. Tickets are \$125, \$95, \$65, and \$35, with special "gold" premium center orchestra seating at \$250. For tickets call SymphonyCharge at 617-266-1200 (Mon-Sat., 10 a.m. to 6 p.m.) or through the Symphony Hall box office.

Theater

Hallowed Ground

Through Jan. 29 at the Boston Playwrights' Theatre, 949 Commonwealth Ave., Boston. Boston Playwrights' Theatre in conjunction with Wellesley College Summer Theatre presents the Boston premiere of award-winning Boston playwright, Laura Harrington. The play focuses on four characters: a nineteenth year old slave woman, an injured Union soldier, a Southern conscript, and a thirteen year old girl attempt to reevaluate their place within society in the face of a destruction wrought by the Civil War. Performances: Jan 26-29 at 8 p.m.; Jan. 29 at 2 p.m. Tickets \$15 general, \$10 student and seniors and can be reserved by calling (781) 283-2029 or (617) 353-5443. For more information, call (781) 283-2029.

Sisters Matsumoto

Through January 30 at The

Huntington Theatre Company, resident professional theatre at Boston University, 264 Huntington Ave., Boston, MA 02115-4606. The Huntington Theatre Company presents *Sisters Matsumoto* by noted Japanese-American playwright Philip Kan Gotanda. Directed by Sharon Ott, the play depicts the lives of three Japanese-American sisters who struggle to rebuild their lives after being released from a U.S. Government internment camp after World War II. Performances: Evenings: Tues.-Thurs. at 7:30 p.m., Fri. and Sat. at 8 p.m.; Matinees Sat. and Sun. at 2 p.m.

Miss Julie

Previews Jan. 28, 29 at 8:00 p.m. and Jan. 30 at 2:00 p.m.; Feb. 3-19, Th.-Sat. at 8:00 p.m.; Sun. 2:00 p.m. at the Black Box Theatre in the Boston Center for the Arts, 539 Tremont St. The Coyote Theatre, a professional, non-profit theatre founded in 1991, presents August Strindberg's *Miss Julie*. In the play an aristocratic young woman engages in a heated sexual tryst with her father's servant. Tickets for previews \$15, for performances Th. and Sun. \$20, Fri. and Sat. \$22.50. For more information or to reserve tickets, call the box office at (617) 426-ARTS.

Anne of Green Gables

Feb. 4-27, Fri. at 7:30 p.m., Sat. and Sun. at 3:00 p.m.: The Wheelock Family Theatre (180 The Riverway, Boston) presents the family musical based on the L.M. Montgomery classic. Tickets are \$17, \$15, and \$10. ASL and Audio description Feb. 25 and 27. The theater is wheelchair accessible. To reserve tickets or for more information, call 617-734-4760, TTY 731-4426.

Blue Man Group

Charles Playhouse, 74 Warren Street, Boston, indefinitely. Curtain is at 8 p.m. on Wednesday and Thursday, at 7 and 10 p.m. on Friday and Saturday, and at 3 and 6 p.m. on Sunday. Tickets \$35 to \$45. Call 426-6912 for tickets and information on how to see the show for free by ushering.

Shear Madness

Charles Playhouse Stage II, 74 Warren Street, Boston (426-5225), indefinitely. Cur-

tain is at 8 p.m. Tuesday through Friday, at 6:30 and 9:30 p.m. on Saturday, and at 3 and 7:30 p.m. on Sunday. Tickets \$30-34.

Exhibits

Pauline Lim

Through Jan. 30. "Impotence Pill" and other new works, at the Newton Free Library, 330 Homer St., Newton Centre, MA 02459. For more information call (617) 552-7145.

Isabella Stewart Gardner Museum

280 The Fenway, Boston. (566-1401), Tues.-Sun. 11 a.m.-5 p.m. Admission \$10 (\$11 on weekends), \$7 for seniors, \$5 for students with ID (\$3 on Wed.), free for children under 18.

The museum, built in the style of a 15th-century Venetian palace, houses more than 2500 art objects, with emphasis on Italian Renaissance and 17th-century Dutch works. Among the highlights are works by Rembrandt, Botticelli, Raphael, Titian, and Whistler. Guided tours given Fridays at 2:30 p.m.

Threads of Dissent

Through Jan. 30, 2000. Inspired by the Gardner Museum's extraordinary tapestries, this exhibition illuminates the permanent collection in the light of contemporary social, political, and aesthetic issues in the work of living artists. Six works in the special exhibition gallery by the contemporary artists Edward Derwent, Leon Golub, Wojciech Jaskolka, Jorge Pardo, Lilian Tyrrell, and Murray Walker will be related to six tapestries from the collection.

Museum of Fine Arts

465 Huntington Ave., Boston. (267-9300), Mon.-Tues., 10 a.m.-4:45 p.m.; Wed., 10 a.m.-9:45 p.m.; Thurs.-Fri., 10 a.m.-5 p.m.; Sat.-Sun., 10 a.m.-5:45 p.m. West Wing open Thurs.-Fri. until 9:45 p.m. Admission free with MIT ID, otherwise \$10, \$8 for students and seniors, children under 17 free; \$2 after 5 p.m. Thurs.-Fri., free Wed. after 4 p.m.

Mon.-Fri.: introductory walks through all collections begin at 10:30 a.m. and 1:30 p.m.; "Asian, Egyptian, and Classical Walks" begin at 11:30 a.m.; "American Painting and Decorative Arts Walks" begin at 12:30 p.m.; "European Painting and Decorative Arts Walks" begin at 2:30 p.m.; Introductory tours are also offered Sat. at 11 a.m. and 1:30 p.m. Permanent Gallery Installations: "Late Gothic Gallery," featuring a restored 15th-century stained glass window from Hampton Court, 14th- and 15th-century stone, alabaster, and polychrome wood sculptures from France and the Netherlands; "Mummy Mask Gallery," a newly renovated Egyptian gallery, features primitive masks dating from as far back as 2500 B.C.; "European Decorative Arts from 1950 to the Present"; "John Singer Sargent: Studies for MFA and Boston Public Library Murals." Gallery lectures are free with museum admission.

Museum of Our National Heritage

33 Marrett Rd., Lexington, 02421. (781-861-6559).

Mon.-Sat. 10 a.m.-5 p.m.; Sun. 12 p.m.-5 p.m. Admission and parking free. <<http://www.mnh.org>>

George Washington, American Symbol

Through Feb. 27, 2000. In observance of the 200th anniversary of his death, the Museum is hosting a unique exhibition which presents the most comprehensive exploration of the enduring nature of Washington's image. The exhibit will present more than 150 paintings, prints, sculptures, decorative objects, and memorabilia, including works by Peale, Gilbert Stuart, Norman Rockwell, and N.C. Wyeth.

Museum of Science

Science Park, Boston. (723-2500), Daily, 9 a.m.-5 p.m.; Fri., 9 a.m.-9 p.m.; Sat.-Sun., 9 a.m.-5 p.m. Admission free with MIT ID, otherwise \$9, \$7 for children 3-14 and seniors.

The Museum features the theater of electricity (with indoor thunder-and-lightning shows daily) and more than 600 hands-on exhibits. Ongoing: "Discovery Center"; "Investigate! A See-For-Yourself Exhibit"; "Science in the Park: Playing with Forces and Motion"; "Seeing Is Deceiving." Ongoing: "Everest: Roof of the World"; "Living on the Edge." Admission to Omni, laser, and planetarium shows is \$7.50, \$5.50 for children and seniors. Now showing: "Laser Depeche Mode," Sun., 8 p.m.; "Laser Offspring," Thurs.-Sat., 8 p.m.; "Laser Rush," Sun., 9:15; "Laser Beastie Boys," Thurs.-Sat., 9:15 p.m.; "Laser Floyd's Wall," Fri.-Sat., 10:30 p.m.; "Friday Night Stargazing," Fri., 8:30 p.m.; "Welcome to the Universe," daily; "Quest for Contact: Are We Alone?" daily.

Commonwealth Museum

220 Morrissey Blvd., Boston, 02125. Located across from the JFK Library. Hours: M-F 9-5, S 9-3. Admission is free. For more info. or to arrange a tour, call 617-727-9268.

Other Events

Film Festivals

At the Museum of Fine Arts, Boston, 02115. For tickets and more information, call 369-3770. Tickets for each showing are \$7, \$6 MFA members, seniors, students, unless otherwise noted.

Boston Film Artists Present

Feb. 5, 12, 19, 26: *A Hero for Daisy* By Mary Mazzo (1999, 42 min.). A moving portrait of Yale rowing legend Chris Ernst. In 1976 Ernst galvanized her rowing team to storm the Yale athletic director's office to protest the lack of locker-room facilities for women. The story was carried by all of the major international news outlets and Ernst won her fight for new locker rooms two weeks later. She went on to represent the U.S. in two Olympic games, becoming a world champion in 1986.

African Cinema 2000

Tickets 8-film series \$40, \$32 MFA members, students, seniors.

Feb. 3, 9, 10, 12: *Pieces D'Identites* By Mweze Ngangura (Congo/Belgium, 1998, 94

min.). From the director of the hugely entertaining and popular comedy *La vie est belle* comes an equally appealing new film that sports a zany cast of characters. Set in contemporary Europe, *Pieces d'Identites* tells the timeless story of an old king and his beautiful, wayward, daughter. The film addresses some of the most troubling issues of identity facing people of African descent in the ever-widening Diaspora of the late 20th century. In French with subtitles.

Feb. 23, 24, 26: *Genesis* By Cheick Oumar Sissoko (Mali, 1998, 102 min.). By returning to the Biblical account of Jacob and Esau, director Sissoko discovers insights into one of the most urgent problems facing Africa and indeed the world-fratricidal strife by translating this archetypal story into a distinctively West-African context. In Bambara with subtitles.

Best Lesbian Erotica 2000

Jan. 30 at 3 p.m.: Toni Amato, Dawn Dougherty, Kathe Izzo, Karin Pomerantz, Tristan Taormino (editor), Cecilia Tan, and Robin White will read from their latest anthology *Best Lesbian Erotica 2000* at New Words Bookstore, 186 Hampshire Street, Cambridge. Call 617-876-5310 for additional information. This event is presented by New Words Live and is free, accessible, and open to all.

Boston Ballet Company: Without Words

Feb. 10-20 at the Schubert Theatre, 265 Tremont St., Boston. World premieres choreographed by one of Spain's great modern-dance choreographers and leader of Spain's acclaimed Compania Nacional de Danza, Nacho Duato, and by American Mark Godden, currently in residence at the Royal Winnipeg Ballet, and Paul Taylor's "Company B." For reservations call Telecharge 800-447-7400 or the Ballet's box office 617-695-6950. Tickets: \$73-\$12.50, \$12.50 student rush.

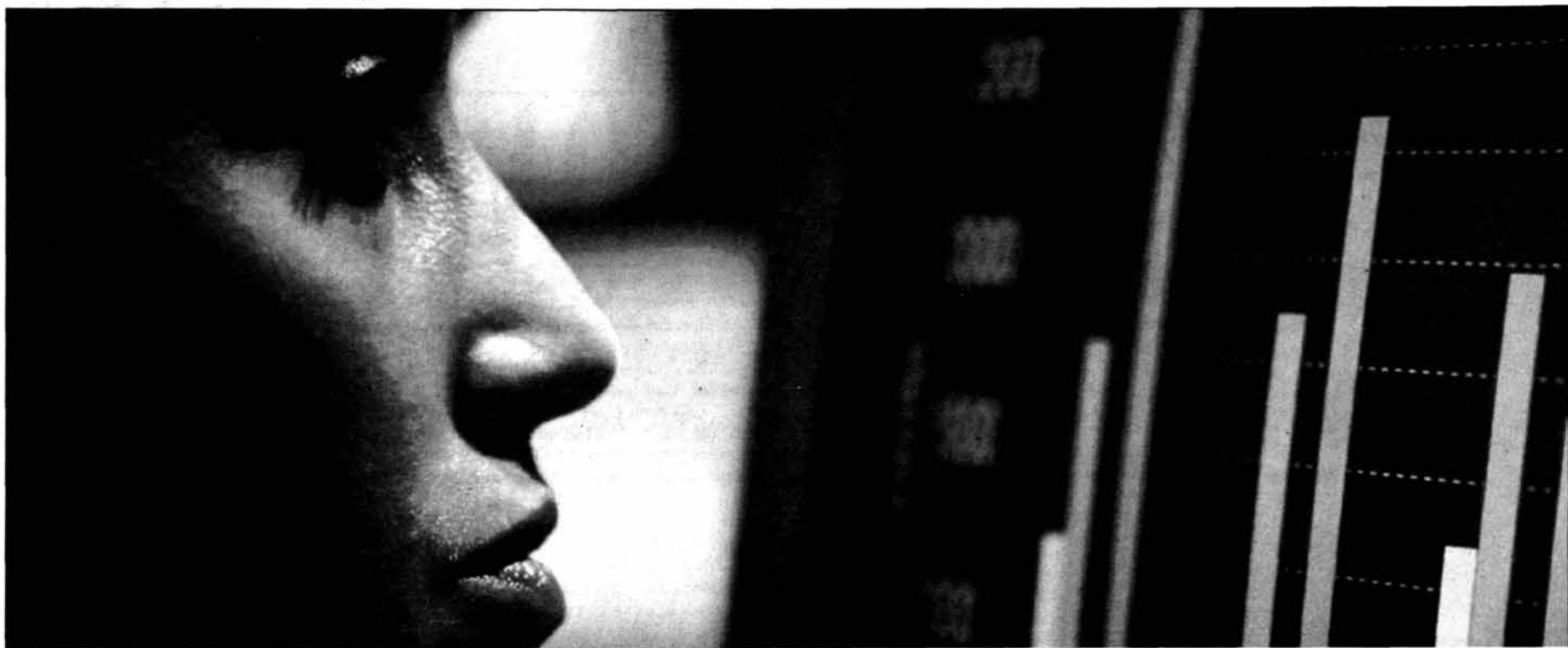
Lesbigay Film Series

Club Pride at Roxbury Community College presents a monthly Lesbigay Film Series. Friday nights, February 11, March 3, April 14 at 6 p.m. at the Roxbury Community College, Academic Building, Room 121 (1234 Columbus Avenue, at the intersection of Columbus and Tremont, located directly across street from the Roxbury Crossing T station (Orange Line). Free parking. Free and open to the public refreshments served. Feb. 11: *Greetings from Africa* (US, 1994, Director: Cheryl Dunye, 8 minutes): A highly entertaining rumination on lesbian dating 90's style. *Dakan* (Destiny) (Guinea, 1997, Director: Mohamed Camara, 87 minutes) in French and Mandikan with English subtitles. The first feature film on homosexuality in sub-Saharan Africa, this is a modern adaptation of the age-old Romeo and Juliet conflict between love and social convention.

Harvard Book Store Author Series

Feb. 15, 6 p.m.: Robert Wright, *Non-Zero: The Logic of Human Destiny* (with Daniel Dennet). At the Hasty Pudding Theater, Harvard University.

Feb. 17, 6 p.m.: Scott Ridley, *Genome*. At the Arthur M. Sackler Auditorium, Harvard University.



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To be considered for an on-campus interview, please submit your resume and a cover letter stating your GPA and standardized test scores to the Office of Career Services by January 26.

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FEATURES

Sink or Swim

One-third of seniors deficient in P.E. requirement



Samantha Weinstein '02 takes her swim test at the Alumni Pool in the fall of 1998

By Katie Allen
STAFF REPORTER

While MIT students are expected to be intelligent, often technically-gifted, with a penchant for engineering, math, computers and the sciences, they are not expected to be Olympic-caliber athletes. Nonetheless, the Institute requires a minimal level of fitness and athletic training to earn any MIT degree. These requirements come in the form of the P.E. program, including the swim test.

Freshmen are encouraged to take the test on Registration Day, but many students put it off until the very last minute. According to Candace L. Royer, Associate Department Head and Director of Physical Education, over 350 seniors are currently deficient either the swim test or PE points. Nearly half of those seniors are deficient in both. This is a problem, because the CAP will not vote to confer a degree for students who are deficient any portion of the PE requirement.

Many students, like Brendan P. Miller '02, believe it is not MIT's place to teach its students to swim. "I can understand a swim test being mandatory for those interested in sailing or doing crew. What I can't understand is why

everyone, in order to graduate, should be forced to meet a particular standard of performance in an activity which is completely unrelated to what we came to MIT to learn. In any case, the number of people I see falling off the bridge into the Charles as I bike to class every morning is encouragingly low."

Royer explained MIT's rationale for the exam by stating that "We would like to assure that all of our graduates, when placed in a water-threatening situation (car goes into a lake; child falls out of a boat; etc.), that the person is comfortable and capable enough to save themselves and another person."

Former director of Physical Education Gordon Kelly adds that "The swim requirement is probably the only class at MIT that can save your life."

Swim test began after WWII

The swimming test section of the Physical Education requirement was suggested in 1947 by Gordon Smith, the swimming coach at the time. MIT was in the process of evaluating and re-instituting the Physical Training requirements that had been dropped during WWII to allow more participation in military

training programs.

There had been some controversy among the Athletic Advisory Council about changing the program, which was first instituted by student request in 1891. The idea for a swimming requirement was supported by soldiers returning from WWII who had witnessed the drowning of thousands of soldiers who were attempting to disembark from amphibious vehicles in the invasion of Normandy.

The swimming requirement was therefore included in the revised physical training program. The length of the test and its composition was based on those of MIT's peer institutions, which were also in the process of implementing a swim requirement.

Current test required to graduate

Currently, the test requires one to jump feet-first into water 13 feet deep and swim four pool lengths (100 yards). The swimmer can take as much time as necessary, but they must swim continuously (no resting on the ropes). Any stroke is allowed, except backstroke, which is allowed on the final lap only.

Many students continue to work after the test is complete, treading water for the ten minutes following the swim test. This is the small boats test, a requirement for crew, sailing, swim team, and water polo.

Royer notes that "The very best time for students to take the swim test is during their freshman year. Disposable time becomes even more elusive as students attain upper-class status. Why allow something this simple to plague you for four years?"

Students who are certain that they will not pass the test, either because they don't know how to swim or due to lack of conditioning, are encouraged to enroll in a swim class their first term instead of taking the test. According to Royer, "The Physical Education requirement is in place not to present obstacles, but to provide balance in one's academic life."

MIT offers the swim test every Friday morning between 10:00 and 11:00 A.M., and the P.E. Department plans to offer two community swim tests open to any MIT student, but especially intended for seniors who have not passed the test. One test will be held in third quarter and one in fourth quarter, but the dates have not yet been announced.

The MIT Corporation And You

By Satwiksal Seshasai
CHAIRMAN

The MIT Corporation acts as the governing body of the Institute, responsible for issues such as tuition and approving new degree programs. The corporation conducts most of its work through its various committees. Its 78 members meet as a whole only four times a year, primarily to hear the reports of the committees and President Charles M. Vest.

According to Chairman of the Corporation Alexander V. D'Arbeloff '59, visiting committees in each department provide the best way for students to get involved in the decisions of the corporation. Corporation visiting committees exist in every academic department and other related areas such as the Office of the Dean of Students and Undergraduate Education and the Athletics Department.

The 17 member committees consist of corporation members as well as distinguished individuals from the field. Each corporation member is usually on two visiting committees. They meet for one and a half days every two years to discuss and examine areas of potential improvement within the departments. "We make sure there's time allotted with students and junior faculty without department mem-

The 17-member committees consist of corporation members as well as distinguished individuals from the field.

bers [present]" said Associate Secretary of the Corporation Susan A. Lester. The committees provide students with "a direct line of reporting to senior administration."

A schedule for departmental visiting committees can be found on the corporation's new website, <<http://web.mit.edu/corporation>>. Students are encouraged to contact their individual departments to participate in the committee sessions, says Lester. "If a committee chair goes to bat for a department, change can be made."

The only corporation committee with student members is the Corporation Joint Advisory Committee on Institute-Wide Affairs. "CJAC was set up to have a standing committee structure that is ready to tackle issues that are creating difficulty between students, faculty and the administration," said D'Arbeloff. Of the 18 members, six are students.

CJAC member and GSC President Luis Ortiz G said, "I think the corporation members are largely shielded from the students and in that view CJAC serves to involve interested students." In the past two years CJAC has changed its focus from "general exposure" to identifying specific issues, said Ortiz.

"The corporation should make a better effort at outreach," said UA President Matthew L. McGann '00, also a member of CJAC. "It remains relatively mysterious."

One of the ways the corporation intends to involve students is the website, released this week. "We could use student input for possible improvement of the information presented," said D'Arbeloff. CJAC is also planning a social event at Baker House in March, where students can meet corporation members and other student leaders.

The corporation elects one graduating student each year for a five year term. "It is a fabulous opportunity for people launching their career to be involved with experienced senior people from industry, government and academia" says D'Arbeloff. "The amount of interest in this process is very low and only a few vote."

In addition to the five recent graduates, the corporation consists of approximately 73 other members. The four *ex officio* members are D'Arbeloff, Vest, Treasurer Allan S. Bufferd and Vice President and Secretary Kathryn A. Willmore. Additionally, there are no more than 25 life members at any given time. The rest of the members are elected for five year terms: 15 from the Association of Alumni and Alumnae and 25 elected by the Corporation.

Kregse Auditorium

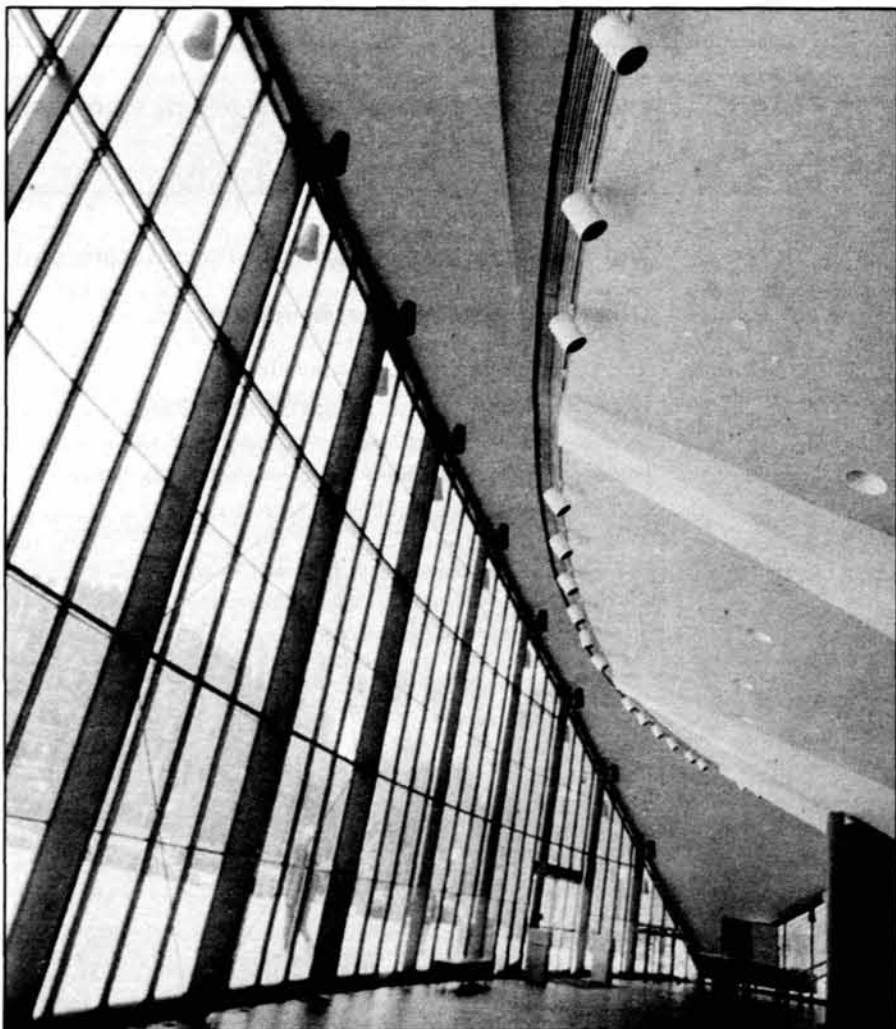
Kregse Auditorium is one of the few buildings on campus which is called by the name of its benefactor rather than a number. Yet Kregse is not a recognizable figure in the pantheon of MIT lore. Others who have given their name to buildings are far better known: former MIT presidents Julius A. Stratton '23 (student center) and Howard W. Johnson (the athletic center), for instance.

Sebastian S. Kregse (1867-1966) opened a small shop in Detroit in 1896 which promised to sell nothing for more than ten cents. This was the first "dime store." The S. S. Kregse Company had expanded to 85 stores with annual sales of more than \$10 million by 1912.

By the early 1960's the face of merchandising had changed such that department stores were becoming increasingly more popular. Harry B. Cunningham, then president of Kregse, decided to adapt the dime stores to create a new chain of discount department stores, called K-mart.

In 1924 Kregse created a foundation in his name which would "promote the well-being of mankind." The Kregse Foundation has since donated nearly \$1.5 billion to science research, buildings, Detroit-area programs, and grants in other areas.

This is the second in a weekly series answering questions about life at MIT. To submit a question to be answered in an upcoming column, please email <features@the-tech.mit.edu>.



Kregse Auditorium's unique architecture features a sweeping, glass-walled atrium.

AGNES BORSZEKI—THE TECH

Millennium Ball Celebrates MIT's Vibrant History in Style

By Katharyn Jeffreys
FEATURES EDITOR

On January 29 three floors of the Stratton Student Center will be transformed to host the Millennium Ball. Entertainment, theatrical sets, and a wide assortment of desserts representing the decades since MIT's founding will contribute to the festive atmosphere.

After presenting the idea to Vice President Kathryn Willmore, student leaders worked with the Campus Activity Complex to develop the event. Van Chu '99, former ASA President, explained that "there is a lot of energy at MIT right now because there is a lot of change going on. So it is good to use this for community building so that we can get out of this chaos." The ball was scheduled for January because the IAP Policy Committee, led by Prof. David Mindell, wanted to hold a major event to commemorate the year 2000.

Three floors of fun and food

In the lobby, MIT Alumnus Justin Klosik '97 will be playing a baby grand piano. Klosik, who plays regularly at Jake Ivory's on Lansdowne Street in Boston, will solicit requests from any decade.

Upstairs, Lobdell will be used to showcase rock music from the 50s, 60s and 70s, played by a live band, Soul City. Swing, Reggae, Latin and Hip-Hop music from the 40s, 80s and 90s will be played in La Sala de Puerto Rico by Joe Agovino, a DJ from New York City. This allows for students to enjoy what coordinator Ted Johnson, of the CAC, describes as "entertainment from across the centuries."

Also on the second floor will be a traditional 1950s malt shop offering root beer floats and ice cream sodas. The Wiesner Gallery will be the home of an interactive art exhibit, presented by the Student Art Association, based on the NYC A-Train.

History and future of MIT displayed

On the third floor, MIT history will be presented through videos assembled by the MIT Museum. Events such as Winston Churchill's visit to campus and early graduations will show the Institute's past, while the future will be shown with models of planned buildings and other innovations. Astrologers and Tarot Card readers will also be on hand, in the Coffeehouse, to help predict students' futures.

The rooms will be joined by a timeline of MIT history which will feature events from campus and across the globe since 1861. Chu points to this history lesson as one of the surprising attractions of the ball. "The ball is not about the dressing up or the free food, its about the history." She points to the Walker Community Balls which were held early in the century as her own personal inspiration for creating this event.

Johnson promises other surprises as well, which have not been advertised. The event calls for "Black Tie and Festive Attire" which means that a tuxedo or ball gown is not required, but would be appropriate. Johnson emphasizes that it is "not just a stuffy ball," so that any semi-formal attire would be welcome.

The ball, which is from 8 p.m. to midnight, costs \$5 for students, \$10 for Faculty, Staff, and MIT Community. Tickets may be purchased at The Source (in W20), MITAC (in the basement of building 50), Lincoln Lab MITAC office, and starting on January 19, in Lobby 10.

Wendy Gu contributed to the reporting of this article.

Viewpoint

What band do you want to play at Spring Weekend?

"Let's go with... Violent Femmes."
Mitch L. Anthamatten '01



"That's too far away, I haven't thought about it yet."
Dawn Perler '01

"Dave Matthews."
Kurtis G. McKenny '01



"Erasure-It's a British band. They do Pop-Techno."
David T. Pinson '01



"The band I want ceased to exist ten years ago ... PC Quest."
Scott K. Hiroshige '00



"I don't want They Might Be Giants. I heard that was the first choice"
Savalai Vaikakul G

"Soul Coughing — that would be amazing! — and Red Hot Chili Peppers!"
Samir J. Shah '03



"Phish because their fans are nice and you can smoke pot at their concerts."
Nicole Immorlica '00

Compiled by Katie Allen

IAP Activity of the Week Charm School Returns

By Katie Allen

STAFF REPORTER

Charm School, an IAP event started in January 1993, continues its annual tradition this year. The event, which includes classes on various social graces, was started by former Dean of Undergraduate Academic Affairs Travis R. Meritt in response to complaints and stereotypes that MIT students, faculty, and staff lack style, manners, and etiquette. IAP Charm School has received past attention from local and national media, including *The Boston Globe*, *The New York Times*, CNN, and *Good Morning America*.

Charm School 2000 will be held Lobbies 7, 10, and 13 from 12:00 to 5:00 p.m. on January 27. Students can attend classes in various charming activities, including ballroom dancing, formal-dinner table manners, flirting and dating, and communications etiquette.

Wide range of classes adds charm

New classes this year include "road respect," a class designed to help prevent road rage, "courteous cycling," a class for bicyclers on how to share the road/sidewalk, a class called "Dealing with the people you really need in life," (a class on tipping and politeness taught by Brent Michael Kauffman, Executive Host at Ciao Bella Restaurant) and "don't be caught clueless," a class, taught by MIT students Catherine B. Chen '02 and Ian M. McCreery '01 on laundry and other essential college-life etiquette.

Says Chen, "This class teaches basic life skills that many MIT

students come here without. I mean, I know people who have thrown away a perfectly good pair of pants just because a button fell off. This is ridiculous. Besides, when you see people with pink or blue shirts, you know what happened, and it is embarrassing."

Classes are repeated throughout the day, and no pre-registration or commitment is required: students can take as many or as few classes as they wish. According to co-organizer Heather Trickett, "The purpose of Charm School is to teach life skills that are disappearing, not only from colleges, but from high schools and homes as well. It's a good way to learn the etiquette that older people consider vital, but younger people rarely learn."

Students earn degrees in charm

The culmination of the event is the Charm School commencement ceremony, where students who have taken 6, 8, or 12 charm classes can earn (respectively) a Bachelors, Masters, or Doctorate in Charm. Previous commencement ceremonies have featured the Chorallaries, MIT's coed *a capella* group, as well as speakers ranging from Miss Manners (Judith Martin) to President Vest.

This year, Charm School organizers plan to hold opening ceremonies at noon, with a performance by the Logarithms, and a presentation, called "Who Wants to be a Charminaire" with Jay Keyser. Door prizes will be given away to both Charm Graduates and other participants, including gift certificates to various local restaurants and retailers. The Commencement ceremonies will again feature the Chorallaries, as well as "Dean of Charm" Travis R. Merritt.

This Week in MIT History

By Shantonu Sen

TECHNOLOGY DIRECTOR

This week in 1978, the J. B. Carr Tennis Bubble was destroyed after a strong blizzard caused a rip in the bubble to propagate across the entire covering.

Early on the morning of January 25, Physical Plant personnel decided to lower the indoor lighting system in anticipation of having to deflate the bubble. Heavy snow and high winds had caused "dimpling" on the western side of the bubble, which was combatted by turning on an extra blower to keep up air pressure inside the facility.

While clearing away some of the snow, one of the Physical Plant workers noticed a small tear in the fabric of the bubble, which quickly spread because of a combination of the stress of the high winds and the internal pressure of the bubble.

Because of the severity of the collapse, the covering was not repairable. The damages to the bubble were estimated to cost \$60,000-\$75,000, and it was not re-opened until September 8 of that year.

The new roof was made of vinyl-covered nylon, and was cable-constrained in order to relieve much of the stress on the fabric.



AGNES BORSZKEI—THE TECH

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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>

Wednesday's Events

7:30 - 9:30 p.m. - **Kendo Practice**. Come learn the Japanese art of swordfighting under the instruction of sensei Junji Himeno, 7th dan from Harvard. No experience is necessary. Du Pont 2nd Floor. Sponsor: MIT Kendo Club.

Thursday's Events

9:00 a.m. - **FIFTH ANNUAL LIDS STUDENT CONFERENCE**. Students from LIDS, LCS, ORC and Aero/Astro present their research. Plenary speakers: Dr. Robert Lucky (Telcordia Tech.) and Dr. Irwin Jacobs (Qualcomm). Two panel discussions. 34-101 and 34-401. Sponsor: LIDS Student Conference Committee.

5:30 p.m. - **authors@mit: MIT Staff Readings**. MIT staffers will read from their recently published works: Robin Lippincott from his novel, "Mr. Dalloway: A Novella," and Andrea Cohen from her book of poetry, "The Cartographer's Vacation." Admission 0. Humanities Library. Sponsor: Office of the Arts.

7:00 p.m. - **Cambridgeport Community Meeting**. To hear a presentation of the plans for a new MIT dormitory on Vasser Street. Discussion and Q & A will follow. Hosted jointly by MIT and the Cambridge Community Development Department. Admission 0. Morse School, 10 Granite. Sponsor: Government and Community Relations.

7:00 p.m. - **An Evening of Scenes**. Shakespeare Ensemble's Scene Night. Admission 0. Walker 201. Sponsor: Office of the Arts.

12:00 p.m. - **MIT Chapel Concert: Sartory Quintet**. Barbara Englesberg, violin; Edward Wu, violin; Francis Grimes, viola; Joel Cohen, cello; Robert Ward, guitar. Boccherini's Quintet No. 1 in D Major; Castelnuovo-Tedesco's Quintette, Op. 143. Admission 0. MIT Chapel. Sponsor: Office of the Arts.

5:00 - 7:00 p.m. - **Opening Reception—"In Time: Images of Plum Island by Emily Corbats"**. Black and white photographs depicting the land and sea of Plum Island. Exhibit up Feb 3-March 15. Admission 0. The Dean's Gallery E52-466. Sponsor: Office of the Arts.

7:00 p.m. - **"Contemporary Chinese Art" and "Chinese Women's Art"**. Slide show/talk presented by top Chinese art critics, Mr. Xianting Li ("Contemporary Chinese Art") and Ms. Wen Liao ("Chinese Women's Art"). Admission 0. Rm 6-120. Sponsor: Office of the Arts.

7:00 p.m. - Lecture/slide show presented by top Chinese art critics: Xianting Li ("Contemporary Chinese Art") and Ms. Wen Liao ("Chinese Women's Art"). Admission 0. Rm 6-120. Sponsor: Office of the Arts.

7:00 - 8:30 p.m. - **"Ethnographic Museum of Irrelevant Races"**. Dramashop production directed by Artist in Residence Guillermo Gúmez-Peña who, with students, will create an original theater piece that explores the interface between performance, cultural identity and new technologies. Admission 0. Kresge Little Theater. Sponsor: Office of the Arts.

7:45 - 10:00 p.m. - **MIT Women's Choral First Rehearsal**. Rehearsals every Thursday. All women in the MIT community are welcome. Admission 0. Rm 10-340 Emma Rogers Rm. Sponsor: Office of the Arts.

8:00 p.m. - **"Chess."** The Cold War musical written by Benny Andersson - Tim Rice - Bjorn Ulvaeus. \$9; \$8 MIT faculty and staff, senior citizens, other students; \$6 MIT/Wellesley students. Admission 6.00. Sala de Puerto Rico. Sponsor: Office of the Arts.

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12:10 p.m. - **GABLES Monthly Lunch**. A social get-together of the MIT Gay, Bisexual, and Lesbian Employees and Supporters group. Contact David Fitzgerald at 258-0235 or dfitz@mit.edu for more information about this month's lunch. To be announced. Sponsor: GABLES.

7:00 p.m. - **An Evening of Scenes**. Shakespeare Ensemble's Scene Night. Admission 0. Walker 201. Sponsor: Office of the Arts.

Saturday's Events

7:00 p.m. - **An Evening of Scenes**. Shakespeare Ensemble's Scene Night. Admission 0. Walker 201. Sponsor: Office of the Arts.

Sunday's Events

1:00 p.m. - **"The Secret Garden."** Concert version produced by the MIT Gilbert & Sullivan Players. Book and Lyrics by Marsha Norman; music by Lucy Simon. Admission 0. Rm 4-270. Sponsor: Office of the Arts.

2:00 - 4:00 p.m. - **"Family Adventures in Science & Technology" or "FAST Sunday—A Day in the Life of an Astronaut"**. What's life like after lift-off? Free with the price of Museum admission. Admission 0. MIT Museum. Sponsor: Office of the Arts.

7:00 - 8:30 p.m. - **"Ethnographic Museum of Irrelevant Races"**. Dramashop production directed by Artist in Residence Guillermo Gúmez-Peña who, with students, will create an original theater piece that explores the interface between performance, cultural identity and new technologies. Admission 0. Kresge Little Theater. Sponsor: Office of the Arts.

8:00 - 10:00 p.m. - **Jazz Homecoming**. Black History Month 2000 event featuring Fertile Ground, MIT's Festival Jazz Ensemble & Movements in Time. Free, but donations for a community service fund accepted. Admission 0. Kresge Auditorium. Sponsor: Office of the Arts.

8:00 p.m. - **"Chess."** The Cold War musical written by Benny Andersson - Tim Rice - Bjorn Ulvaeus. \$9; \$8 MIT faculty and staff, senior citizens, other students; \$6 MIT/Wellesley students. Admission 6.00. Sala de Puerto Rico. Sponsor: Office of the Arts.

8:00 - 10:30 p.m. - **a Jazz Homecoming**, presenting Fertile Ground for Black History Month 2000. The group blends jazz, R&B, and world styles in songs like "Black Sunshine" and "Ghetto Butterfly". A must see for all MIT community members. Kresge Auditorium. Sponsor: Groove Phi Groove Social Fellowship, Inc.

9:00 - 10:30 p.m. - **"Ethnographic Museum of Irrelevant Races"**. Dramashop production directed by Artist in Residence Guillermo Gúmez-Peña who, with students, will create an original theater piece that explores the interface between performance, cultural identity and new technologies. Admission 0. Kresge Little Theater. Sponsor: Office of the Arts.

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Wednesday's Events

12:10 p.m. - **The role of vegetation dynamics in the climate of West Africa, Guiling Wang, MIT**. Open. More info: Call Markus Jochem at 3 2922. Email markus@ocean.mit.edu. Web: <http://www.mit.edu/~mjochem/sack.html>. Rm 54-915.

Thursday's Events

6:30 p.m. - **Information Seminar on Careers in Intellectual Property Law, Patrick Waller, Ph.D., Testa, Hurwitz, and Thibeault**. Light refreshments will be served. Open. More info: Call Jefferson Parker at 253-5106. Email sbcorg@mit.edu. Web: <http://grapes.mit.edu/sbc.html>. Rm 4-370.

Tuesday's Events

12:00 p.m. - **Exploring Errors: Methodology in 19th Century Microscopy, Jutta Schickore, Dibner Institute Postdoctoral Fellow**. If you plan to attend, call 253-6989 or send an email: dibner@mit.edu. Open. More info: Call Trudy Kontoff at 253-6989. Email kontoff@mit.edu. Rm E56-100.

2:30 p.m. - **On the Nonlinear Stability of Fluid Flows: Arnold's Approach, Dr. Vladimir A. Vladimirov, Dept. of Math., Hong Kong University of Science and Technology**. Refreshments will be served following the seminar in Room 2-349. Open. More info: Call John Bush at 253-4387. Email bush@math.mit.edu. Rm 2-338.

6:30 p.m. - **"Living and Nature: Mies van der Rohe and the German Landscape Tradition."**, Barry Bergdoll, Columbia University/Visiting Professor, MIT. Open. More info: Call at 253-7791. Rm 10-250.

Wednesday's Events

4:30 p.m. - **Emotional Intelligence and Personality, John D. Mayer, University of New Hampshire, Department of Psychology**. Refreshments at 4:15. Open. More info: Call Alicia Peyrano at 253-0905. Email apeyrano@media.mit.edu. Media Lab, E15-064 (Bartos Theatre).

Friday's Events

2:30 p.m. - **MacVicar Day, MacVicar Faculty Fellows, Provost's Office**. "Where's the Rat in Undergrad Education?" MacVicar lecture - Prof. Edie Goldenberg, U. Michigan. Margaret MacVicar film, teaching & UROP demos, reception. 6-120, 2:30. All welcome. Open. More info: Call Rosalind Wood at 253-3036. Email rosalind@mit.edu. Web: <http://web.mit.edu/provost/macvicar>. Rm 6-120.



Something to
feel good about.

United Way

Nanovation, MIT Join to Develop Photonic Devices

Nanovation, from Page 1

Nanovation has already built the nation's first laboratory dedicated to nanophotonics research through a partnership with Northwestern University.

The MIT project "will allow students and faculty to solve real world problems," said Melanie Ofenloch, Nanovation's Vice President of Public Relations.

Tatum and MIT Vice President and Dean for Research J. David Lister will oversee the joint research. The new laboratory will bring together students and faculty from the Departments of Materials Science and Engineering, Electrical Engineering and Computer Science, Chemical Engineering, and Physics, as well as Nanovation employees.

MIT will be free to research and publish results under its agreement with Nanovation. Patents will be jointly owned if the product was created by both MIT and Nanovation researchers or by Nanovation employees through use of MIT facilities, according to a press release. Any development made solely by MIT or Nanovation will be fully owned by its creators.

Goal: accelerate the Internet

The ultimate goal of the project will be to develop photonic technologies to increase the bandwidth

of telecommunications devices, possibly boosting their speeds by hundreds of times.

In addition, research will go into microphotonic and nanophotonic devices, which in the future could be thousands of times smaller than current technology.

"Microphotonics is the next revolutionary technology," said Professor Lionel C. Kimerling, director of the MIT Materials Processing Center. "Light-based technologies are the logical, cost-effective way to meet these demands [for bandwidth]."

Fiber optics have already greatly increased the speed of the Internet over long distances. Slower copper and coaxial wires, however, still carry information locally.

Besides telecommunications, photonic research has applications in circuitry and computing.

Long line of industry partnerships

The Nanovation deal is the latest in many corporate partnerships with MIT. Other companies who have partnerships with the Institute include Ford Motor Company, Merrill Lynch, DuPont, and Microsoft.

"This research center is an example of the emerging partnerships between industry and universities that will drive much of American innovation in the post-Cold War world", said MIT Provost Robert A.



G Robert Tatum (center), President and CEO of Nanovation Technologies, Inc., signs a contract with MIT President Charles Vest (right) and Provost Robert A. Brown (left), promising MIT \$90 million over the next six years.

Brown in a printed report.

In his annual report released last week, President Charles M. Vest cited the need for corporate investments as a way to offset decreasing federal funds.

Vest also wrote how such ventures could improve education. "We should vigorously develop our programs and contributions to this new

world of innovation and commerce, but do so in the context of our fundamental values in scholarship and education," Vest said in his report.

Vest recognized, however, that working with private industries could lead to problems with intellectual property, mission, and conflict of interest. Vest's report said that new guidelines have been written to

avoid and manage any conflicts.

"I don't foresee problems," Ofenloch said. "I foresee opportunities."

Professor Mounji G. Bawendi, a member of MIT's Microphotonics Center, said MIT was not selling out to corporations. "It's a standard research agreement, same as with all corporations."

Panel discussion

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New Journal to Feature Undergraduate Research

By Jane Yoo

The *MIT Undergraduate Research Journal*, MIT's first interdisciplinary scientific journal, is expected to hit MIT newsstands next week.

MURJ, modeled largely after *Scientific American*, will present scientific research undertaken by MIT undergraduates in a format accessible to readers of all disciplines. "Instead of publishing a number of specialized research reports, [*MURJ*] publishes essays from students discussing their research fields and the larger implications of their work, without using jargon," said *MURJ* founder Sanjay Basu '02.

The new publication consists of five sections: *Science News in Review*, *Art and Science*, *Features*, *Innovations*, and *Reports*.

Reports, which comprises half the publication, features undergraduate research. Basu's goal for the section is to promote discussion of research in various areas by allowing students to discuss their work. *MURJ*'s first publication will include articles on topics ranging from computer science to biology.

The remaining four sections will be written by *MURJ* staff. "*Features* is mainly for current theories, but also includes articles

about science and ethics," said Basu. *Art and Science* aims to stimulate interest in various disciplines which cross normal scientific boundaries. *Innovations* will cover technological innovations, while *Science News in Review* will provide summaries of recent scientific events.

Students gain valuable experience

Student submitters were pleased to have the opportunity to share their research with the larger MIT population and found that submitting a paper to *MURJ* was a valuable experience.

Nganfong Huang '02 wrote an article for *MURJ* on the genetic abnormalities in ovarian cancer. Huang said that writing for *MURJ* heightened her presentation ability while enabling her to gain a better understanding of the biological techniques used in her studies.

Roosbeh Ghaffri '01 submitted an article to *MURJ* and will contribute to other sections. He is excited about *MURJ* because it is open to the entire MIT community and is more flexible than other scientific publications on campus. "*MURJ* is not strictly biology or technology," he said. "It's very versatile."

MURJ goes from dream to reality

MURJ originally faced funding difficulties, and there were signifi-



Sanjay Basu '02 prepares the first issue of the MIT Undergraduate Research Journal. Basu intends *MURJ* (due on campus this week) to publish semestery.

cant doubts about maintaining sustainability. Some funding was ultimately provided by the MIT administration, while *MURJ* paid for printing from its own funds.

MURJ has assembled a review

board of MIT students who will read the research papers for style and clarity. Professors in each discipline will review the papers for scientific content.

According to Basu, "there's not

really much of a venue for students to discuss science in a written manner."

Karen Robinson and Shantonu Sen contributed to the writing of this article.



JAMES CAMP—THE TECH

"An inspired stroke, Mr. Fitch," the committee chairman (Steve Dubin, center) pronounces, regarding City Engineer Fitch's (Ahmed Ismail G, left) proposal to let philosopher Albert paint a bridge alone. City councillors, played by James Nadeau (right), and Seth Bisen-Hersh '01 (far right) listen on. The conversation was recorded Sunday for "Albert's Bridge," a Tom Stoppard radio play that will air Monday, February 7, from 3:00-4:00 PM on radio WMBR 88.1 FM or RealAudio via <http://wmbbr.mit.edu/>

Petition Amended by Galluccio

Larkin, from Page 1

Councillor Michael Sullivan, who introduced an unsuccessful amendment to drastically reduce the amount of land included in the moratorium, argued that the city depends on the tax dollars generated by development. Sullivan encouraged a planning study but felt that the moratorium would unfairly exclude new development in the already highly developed area of Kendall Square and at the Biogen site.

Petition passes after much debate

Although every councillor expressed support for the concerns of East Cambridge residents, the Larkin petition was not passed without a great deal of posturing, back-room deals, and compromises.

The initiative needed the support of seven of the nine councillors for passage and was doomed in its original form. The authors of the peti-

tion grudgingly indicated that they were willing to accept amendments, however, leaving the door open for a bitter fight that lasted well past midnight.

Freshman Councillor David Maher, who eventually voted against the petition, said that the "horse trading and back room dealing" involved in the petition left him "disheartened and disillusioned."

"It is shameful to pass something just to be able to tell people politically you got something done," Maher said.

During the debate, heated exchanges took place between Sullivan and Councillor Timothy Toomey, who traditionally draws support from the affected east Cambridge area, as well as between Toomey and City Manager Robert Healey.

The council first accepted several amendments proposed by the city's planning board which made it possible to use existing structures to create more than the 20 units of housing allowed in the original petition and to exempt two projects from the moratorium: a office building on Third Street and a Southern Energy plant.

Galluccio's telecommunications amendment prompted concerns about "spot zoning" and a potential legal challenge but was clearly more popular than Sullivan's more liberal but defensible redrawing of the

moratorium zone's borders. The Sullivan amendment removed all of Kendall Square from the zone by moving the southern border to Binney Street.

After several lengthy recesses and discussions which included owners of property affected by Galluccio's amendment, a substitute amendment was proposed by Councillor Marjorie Decker which added a requirement that any project over 100,000 square feet in the exempted area include 20 units of housing. The affected area is not currently zoned for housing but the council expects to vote soon to re-zone it.

The compromise amendment sealed Galluccio's support for the petition and set the stage for a showdown between the Sullivan and Galluccio amendments.

With several important votes remaining undecided, a friendly amendment to seal a perceived loop-hole was proposed by Councillor James Braude to the Decker substitution. Councillor Kathy Born, among others, expressed concerns that builders would evade the housing requirement by splitting large projects into smaller pieces exempt from the requirement.

The Decker amendment finally prevailed with seven votes, being opposed only by Sullivan and a clearly disenchanted Maher.

The amended petition passed along the same lines.



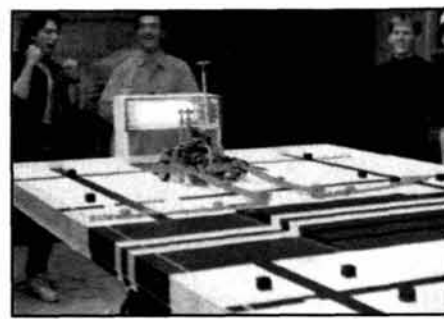
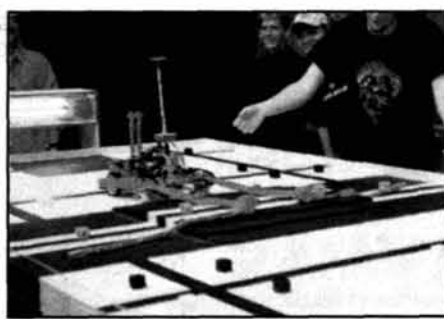
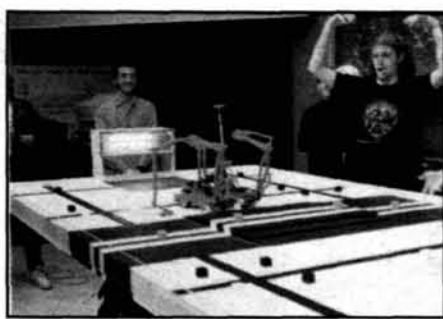
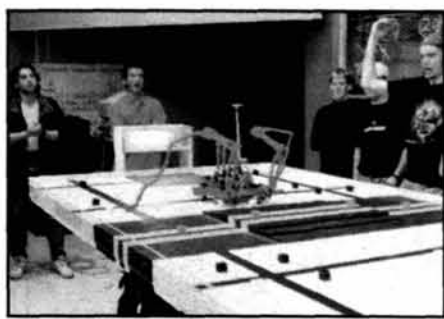
GREG KUHNEN—THE TECH

Members of the Snappy Dance Company created a viscous, flowing scene with their bodies in their performance Sunday night in Kresge Auditorium.



JORDAN RUBIN—THE TECH

Development projects in excess of 20,000 feet will be prohibited in the marked region of East Cambridge for 18 months due to the passage of the Larkin petition.



Qualifying Rounds Plagued by False Starts, Gaffes

6.270, from Page 1

tant Casey R. Muller '02.

First run robots yield low scores

Despite the potential to score several dozen points, the high score for round one was only twelve points. Many teams qualified with only one or two points; teams need only demonstrate the ability to score in order to qualify, regardless of winning or losing a given matchup.

Course organizers said that many teams typically need several chances to qualify, although some contestants argued that the controller board issues gave them less time to test and debug.

A number of teams did not attend the first round, several teams were disqualified after double false-starts, and still more did not qualify because their robots would not stop running when time expired.

In one match, a robot scored several points while pushing blocks into the other team's goal. However, the opposing robot did not function. Thus, the non-functioning robot won

the round without qualifying, but the losing robot qualified. Such odd matchups were not uncommon in Round One. In several matches, the placebo robot, employed during single robot matches, was victorious in much the same way. The relatively small crowd cheered the placebo robot more than any team's creation.

Most teams are using similar designs this year, either pushing or pulling several hacker blocks into the jail. Only one team this year attempted to use a second, remote robot, although they did not qualify in the first round. Several teams are using extended Lego arms to sweep blocks across; one team scored twelve points by collecting all four professors in one sweep.

Teams use vastly different boards

The two boards being used by contestants are considerably different: the original runs Java in 16 MB of memory, while the second, more reliable board runs C in 32 KB of memory. "Both are more than capable," said course organizer Anthony Y. Hui '99.

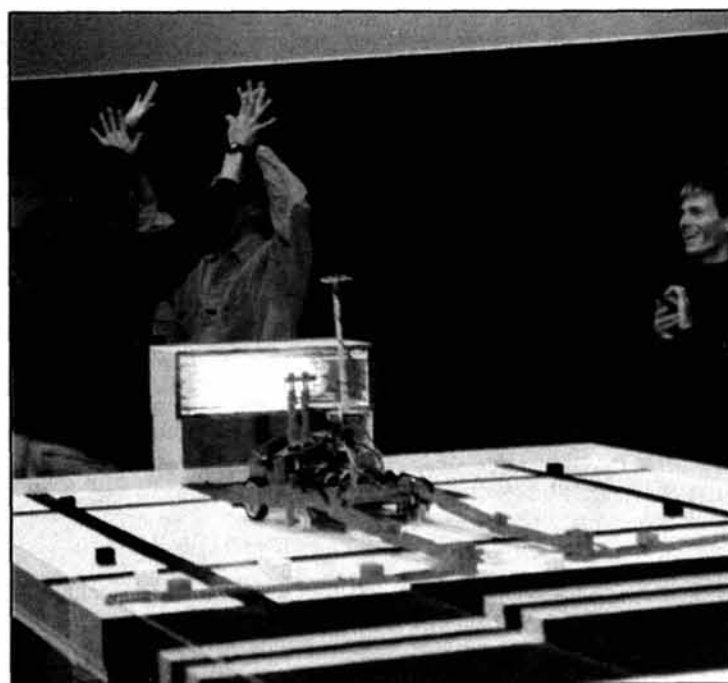
One team that originally began programming for Java and switched to the C board thought the slower board was sufficient. On either board, "full speed is way too fast," Muller said. "I really think that C is more powerful for this kind of thing."

Muller and teammates Alea C. Teeters '99 and Audrey L. Snyder '03 qualified using a "scoop and sort" strategy to gather blocks, then sort them by color.

After round one, the 6.270 lab in Building 34 was nearly empty, despite the fact that 33 teams still needed to qualify. Hui thought most teams were recovering from late-night programming.

"I think they're catching up on sleep and they'll be back at like three in the morning," Hui said. "Lab's open twenty-four hours a day these days."

Teams score points in this year's contest by putting black blocks (hackers) into a "jail," moving white blocks (students or non-hackers) into their end of campus, and pulling orange blocks (professors) out of the middle of "Mass. Ave."



MING-TAI HUI—THE TECH

A robot built by Ian M. Finn '01, Stanley Hu '00 and Liyan Guo '01 proved itself capable of scoring many points at the qualifying round yesterday.



SEPHIR HAMILTON—THE TECH

Patrick M. Pittman's '01 hands skillfully weave metal loops into a complex pattern of chainmail armor. About fifteen people attended the chainmail workshop last Wednesday evening.



RUI MARLA Y PABLO DAVID ORTIZ HERNANDEZ

Jose Aurelio Castillo (violin) and Pablo Ortiz (guitar) performed a variety of tangos, sambas, and boleros at Saturday's "Strings from Costa Rica" concert. The duo were sponsored by MIT Club Latino and the MIT Council for the Arts.

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- * A pair of Museum of Science, IMAX film "Mysteries of Egypt" presented in the Morgan Cinema Theatre.

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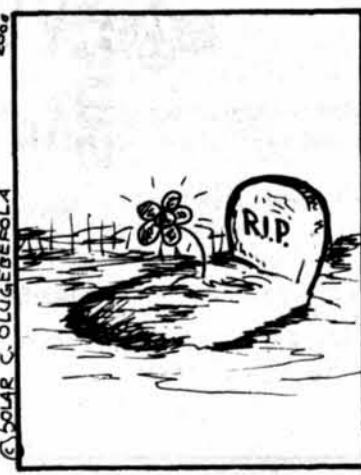
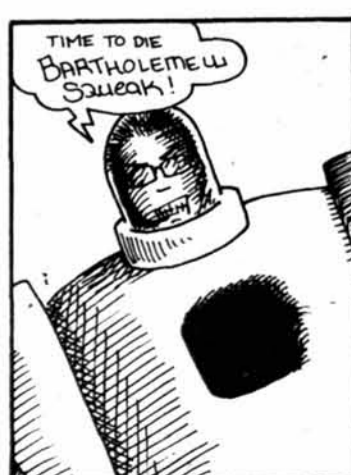
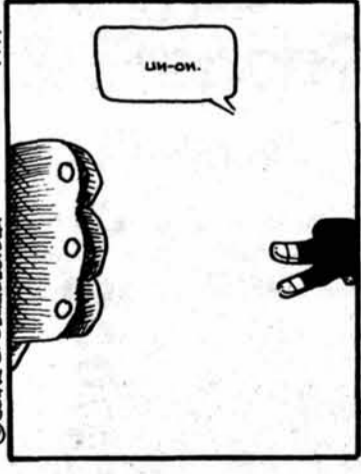
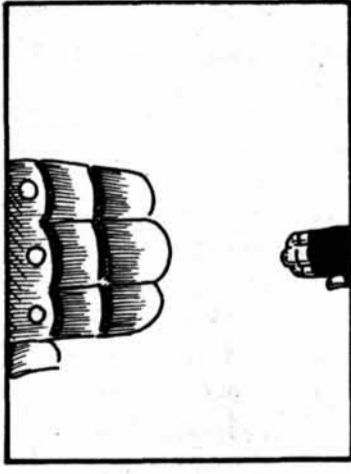
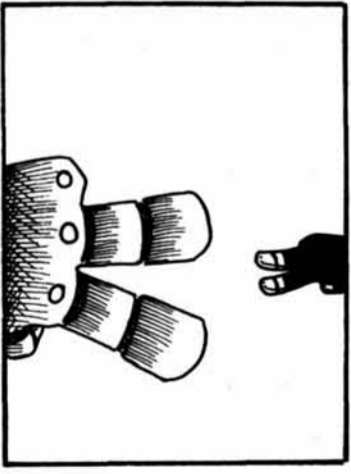
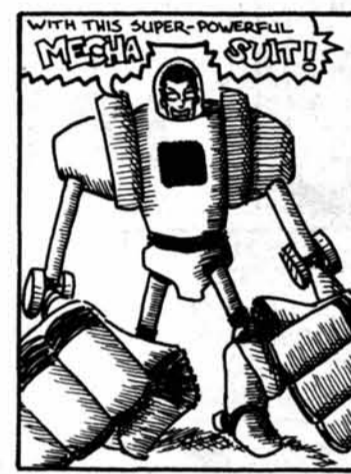
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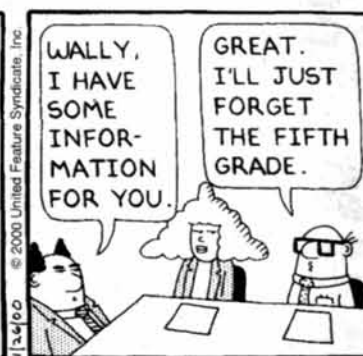
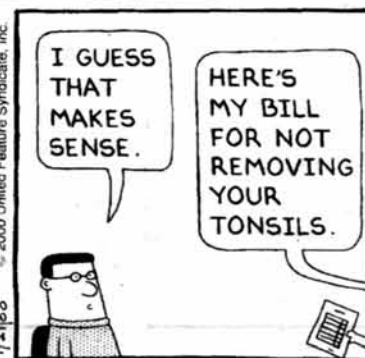
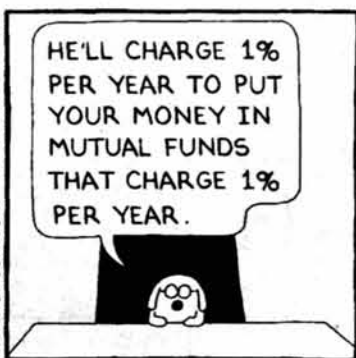
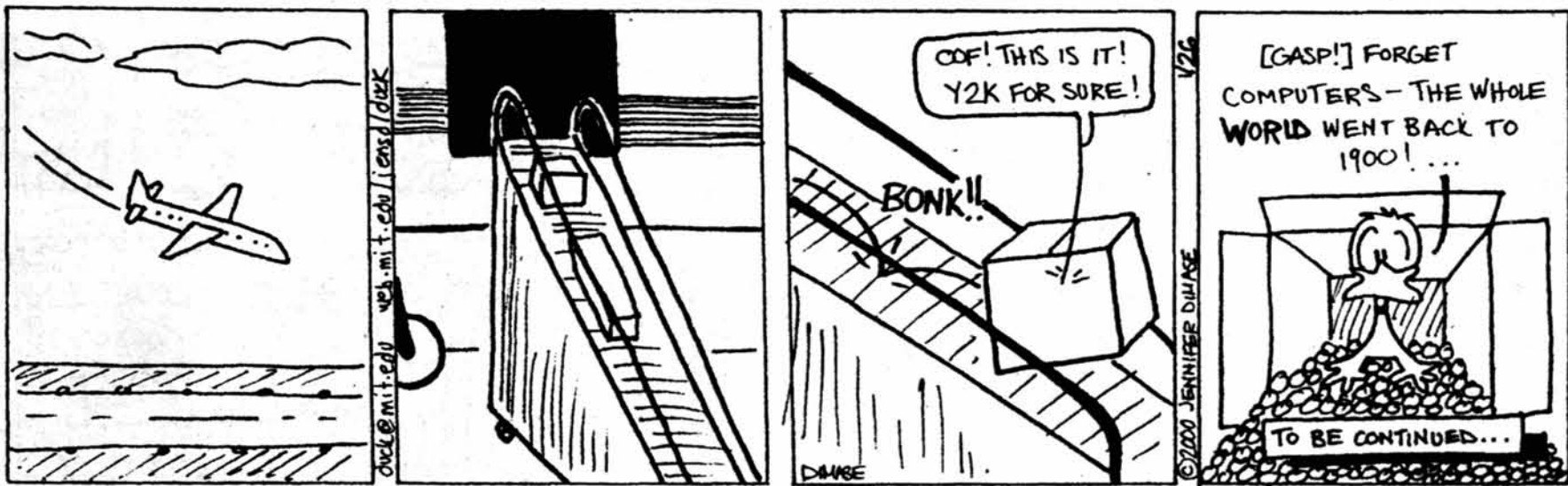
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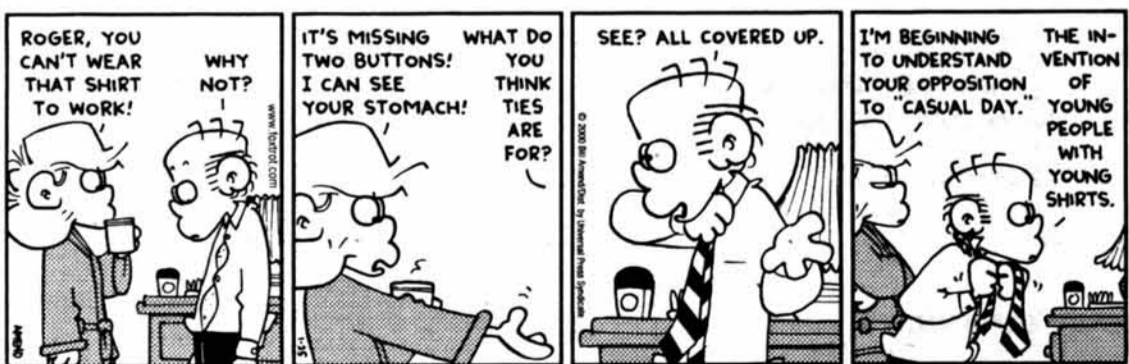
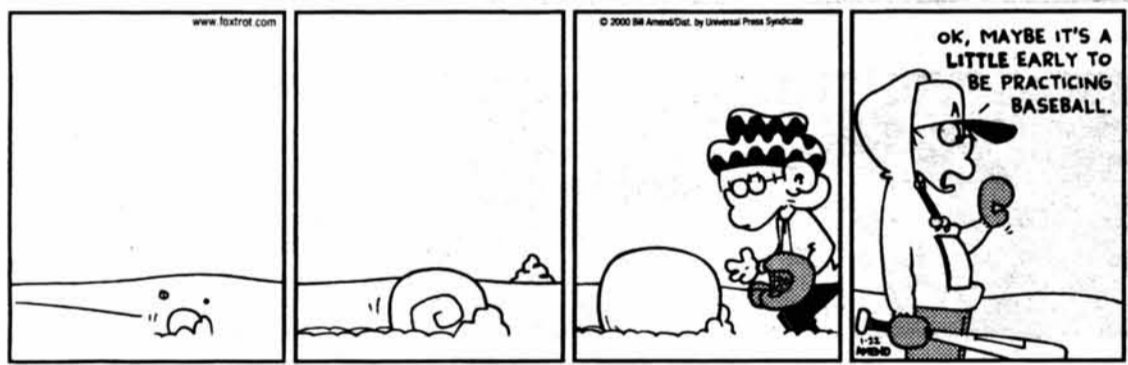
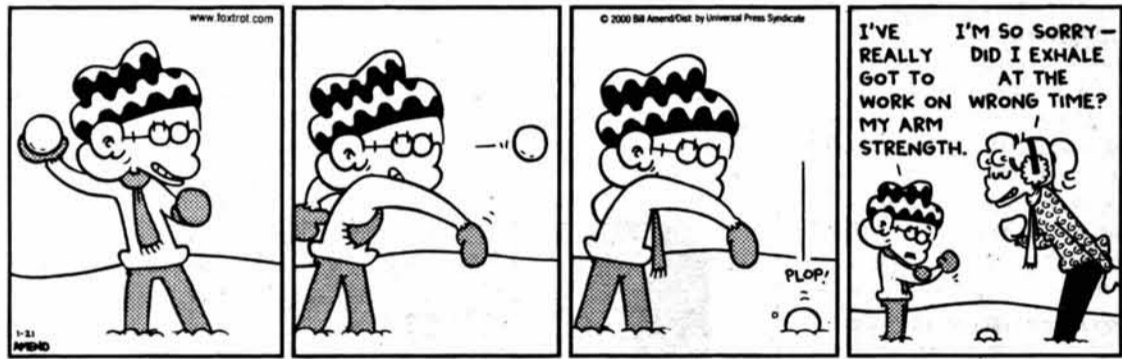
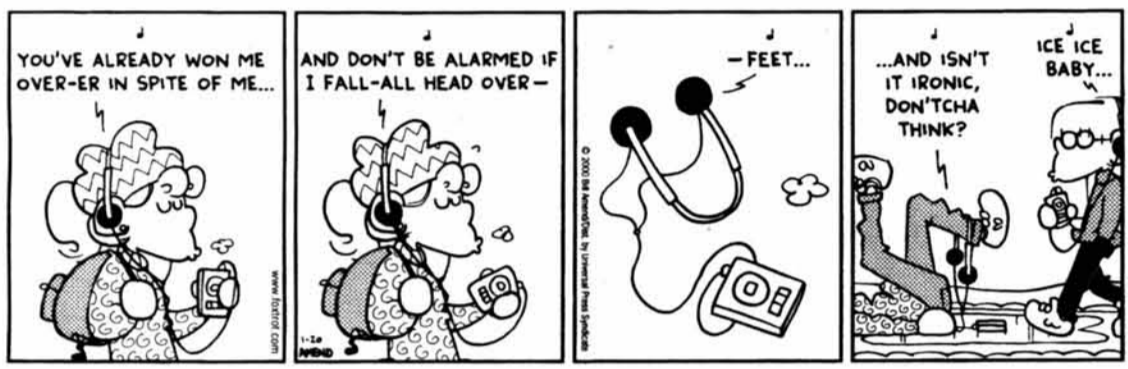
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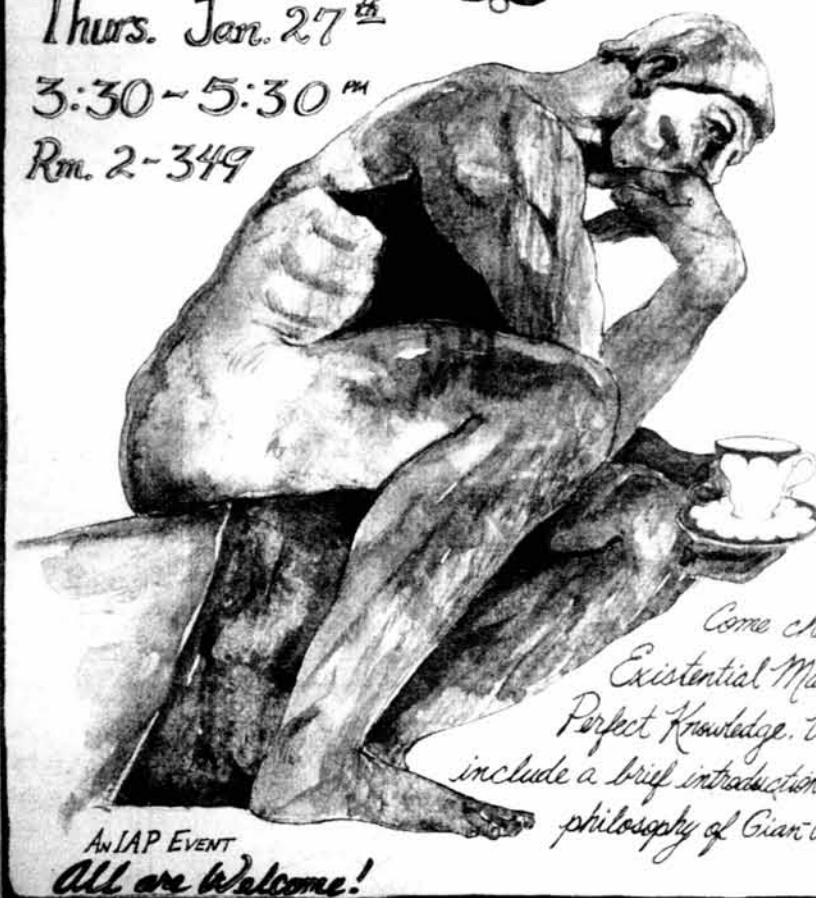
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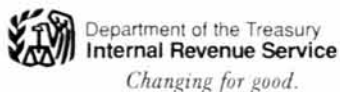
Saturday and Sunday, January 29-30th
9:00 am to 5:00 pm
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FRANK DABEK - THE TECH

Demolition of the Polaroid building at Technology Square proceeded at an accelerated pace last week after concerns about safety led crews to work through the night to demolish the building's Main St. facade.

Revamped LEF Process Creates Additional Funds

LEF, from Page 1

Caribbean Club.

According to the clubs' proposal, the show is intended to "explore and share the cultures of MIT students from Latin America and the Caribbean." The event will feature a dinner composed of cultural cuisine, performances from student groups, and "Dominicanish," a performance by New York-based artist Josefina Baez.

The brothers of Chocolate City, in conjunction with the Black Students' Union, Imobilare, and others will host Comedy Collage, an evening of comedy and music. Organizers have already confirmed comedians Brooklyn Mike, Keith Robinson, and Victor Cruz for the February event.

South Asian American Students, the Pakistani Students Society at MIT, and Sangam are receiving partial funding for this year's annual South Asian Cultural show, entitled "Pragathi: The Coming of Age." The event, which showcases South Asian cultures and traditions, will be held in early April.

The Chinese Student Club, Thai Students at MIT, Association of Taiwanese Students, and Singapore Student Society have been allocated partial funding for Grains of Rice 2000. The student groups see

Grains of Rice as "a joint cultural show put together by a coalition of MIT organizations of Asian heritage." The April event will feature ethnic dishes and cultural performances.

The 25th Annual Ebony Affair, sponsored by the Black Graduate Student Association, has also been granted partial funding. The semi-formal event, whose main thrust "is a creative expression of African-American culture through singing and theatrical performances," will be held in Walker Memorial at the end of February.

LEF separate from spring weekend

This semester's large event funding was reorganized to be separate from Spring Weekend. Previously, a committee planning Spring Weekend applied for large event funding every year for the past three years that large event funding has existed, and won that funding.

Previously President Charles M. Vest, Chancellor Larry S. Bacow '72, and Provost Robert A. Brown all had discretionary funds, and students or student groups could ask them individually for funding. Last year the three consolidated these funds, which amounted to \$80,000, and gave half to the UA and GSC and half to the Office of the Dean

for Students and Undergraduate Education. The result is that now ODSUE has a discretionary fund of \$4,000, and instead of having \$50,000 for large event funding each year, the UA and GSC have \$25,000 per term for large event funding and a separate \$30,000 for spring weekend.

This change did not affect student proposals much, said UA President Matt McGann, because most student groups were not aware of the change. McGann thought that the proposals were affected, however, by the specification that priority would be given to proposals for between \$3,000 and \$10,000. This discourages groups from inflating expected budget numbers, hoping that by asking for more they will receive what they need.

Requests for large events to be held during the fall, 2000 term will be accepted in late April.

Representatives to the panel were Jocelyn L. Wiese '00 and Jennifer K. Chung '01 of the Association of Student Activities; Luis A. Ortiz G, Sumit Gautam G, and Brian Lee G of the Graduate Student Council; Matthew L. McGann '00, Ebraheem I. Fontaine '02, and Ticora V. Jones '00 of the Undergraduate Association; and Norma Lopez of the Office of Residence Life and Student Life Programs.

Large Event Fund Allocations

Event	Grant	Total Request
Latin American/Caribbean Cultural Show	\$7,500	\$7,500
Comedy Collage	\$6,835	\$6,835
Douglas Adams Lecture	\$5,400	\$5,400
Grains of Rice 2000	\$3,000	\$6,042
Pragathi: South Asian Cultural Show	\$2,000	\$4,000
Ebony Affair	\$500	\$1,000



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On Campus Interviews

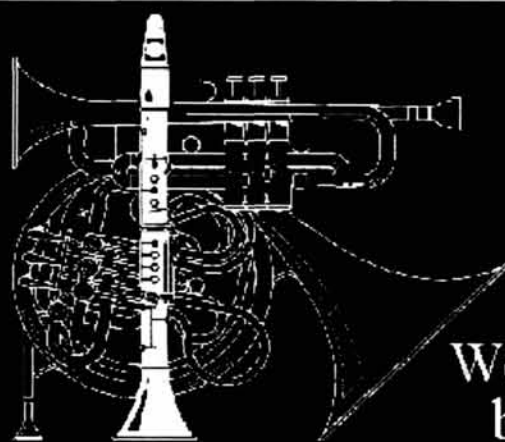
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JORDAN RUBIN—THE TECH

MIT Professor Mario Molina (right), recipient of the 1995 Nobel Prize for Chemistry, describes his involvement in a program to reduce pollution from auto emissions in Mexico City. Dr. Molina and University of Tokyo Professor Hiroshi Komiya addressed the Alliance for Global Sustainability, a joint research program between MIT, U. Tokyo, and the Swiss Federal Institutes of Technology. The fourth annual conference was hosted at MIT last week.



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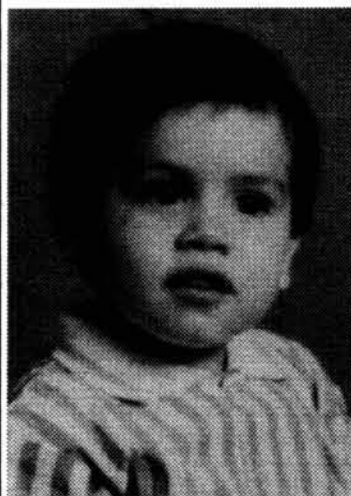


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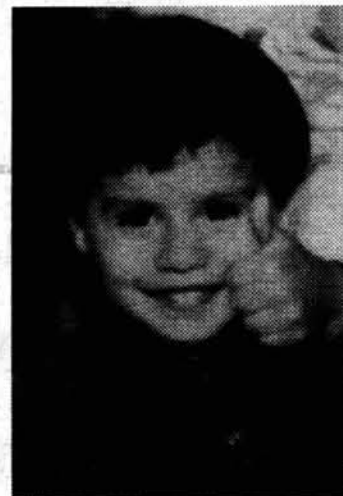
MIT



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2 years old, 1992

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For This Year, They Should Call it the Relocation Bowl

NEWSDAY

ATLANTA

As they arrive by the thousands, football fans and party animals will be surprised to learn the big event here is the Winter Olympics. It's freezing outside, or as chilly as it gets in Georgia, causing schools to shut down and everybody to bundle up.

One thing about southerners, they hate the cold. Only thing worse is a carpetbagger.

But while they can curse the weather, come Sunday night, they'll have to celebrate a traitor. A well-traveled team belonging to either Georgia Frontiere or Bud Adams will win the Super Bowl, thereby striking a victory for money-chasing, carpetbagging opportunists everywhere.

The Los Angeles-Anaheim-St. Louis Rams play the Houston-Memphis-Nashville Titans in a championship game where the participants arrived not by charter, but by Ryder. Sooner or later, a Relocation Bowl was bound to happen in modern-day sports. It unites a pair of owners who have little in common, besides fleeing to wimpy, gullible towns that used millions of public dollars to fill the pockets of one owner and the pocketbook of the other.

It's not that Southern California and Houston didn't show enough love. They just didn't show enough luxury suites. So Frontiere went after St. Louis with the same intensity she did her seven husbands, with the difference being the city didn't offer her a wedding band. St. Louis merely made good on a promise to build a \$250-million domed stadium without her money while the public schools continued to rot.

Adams settled in Tennessee, where a \$300-million stadium and thousands of personal-seat licenses were sweet country music to his ears.

Adams should be toasted in Houston right now, not despised. He was an original AFL owner who became a big player in town by hiring Bum Phillips as coach and introducing Luv Ya Blue. Houston and the Oilers couldn't figure out Adams or his hair, which looks suspiciously like a small, furry animal. But they dealt with him despite his quirks, clumsy PR moves and firm grip on the dollar.

But the town didn't turn on Adams until he decided to leave for good. The official announcement came in 1995 during the final season in Houston, which the lame-duck Oilers played before sparse crowds at the Astrodome. It was the beginning of an awkward journey for a homeless team that sent it to Memphis, then to Vanderbilt Stadium and finally to Adelphia Coliseum, paid for by the desperate folks of Nashville.

St. Louis wanted the Rams just as badly. And in Frontiere, they found someone willing to move for the right price, which included everything the city had except the Arch.

By getting cities to hand over palaces and money, Frontiere and Adams continued a trend of greed that's stretching the limits of our patience and pockets. Each is the archetypical owner who keeps pushing for more profits while teasing fans with promises of loyalty. The thought of Adams or Frontiere holding the Lombardi Trophy on Sunday makes you cringe.

The more these relocations happen, the more sports becomes less a game and more a big corporation designed to suck in money. Kind of like the Super Bowl itself.

Which raises a question, actually a favor, to ask of Frontiere and Adams: It's cold outside, and the big game is four days away, which is plenty of time. Could they call the movers and relocate the Relocation Bowl?

Miami sounds nice.

An End Around Einstein: Stupid TV Football Tricks

LOS ANGELES TIMES

Are you ready for some really unenhanced TV? Before ABC presents Super Bowl XXXIV, here's a review of the weird and forgettable broadcasting moments of the 1999 football season.

SPICE GUY: Fox tried to liven up its NFL pregame show with several stunts, including comic Jimmy Kimmel's demonstration of how to eat salsa out of an athlete's protective cup. (Fox didn't say which athlete.)

WHY BROADCASTERS MAKE THE BIG BUCKS: During Cleveland's 43-0 loss to Pittsburgh, ESPN's Joe Theismann informed viewers, "You gotta score to put points on the board."

THEN, AGAIN ... : Theismann was immortalized in the book, "Stupid Celebrities: Over 500 of the Most Idiotic Things Ever Said by Famous People." Reason: When asked if former Redskins coach Joe Gibbs was a genius, Theismann responded, "The word 'genius' isn't applicable in football. A genius is a guy like Norman Einstein."

TALK ABOUT A TOUGH STATEMENT TO DEFEND: Fox's Jamie Williams, interviewing 49ers coach Steve Mariucci at halftime of the San Francisco-Carolina game, said: "With the exception of a few letdowns, your defense has played pretty well." The 49ers had given up 28 points by then.

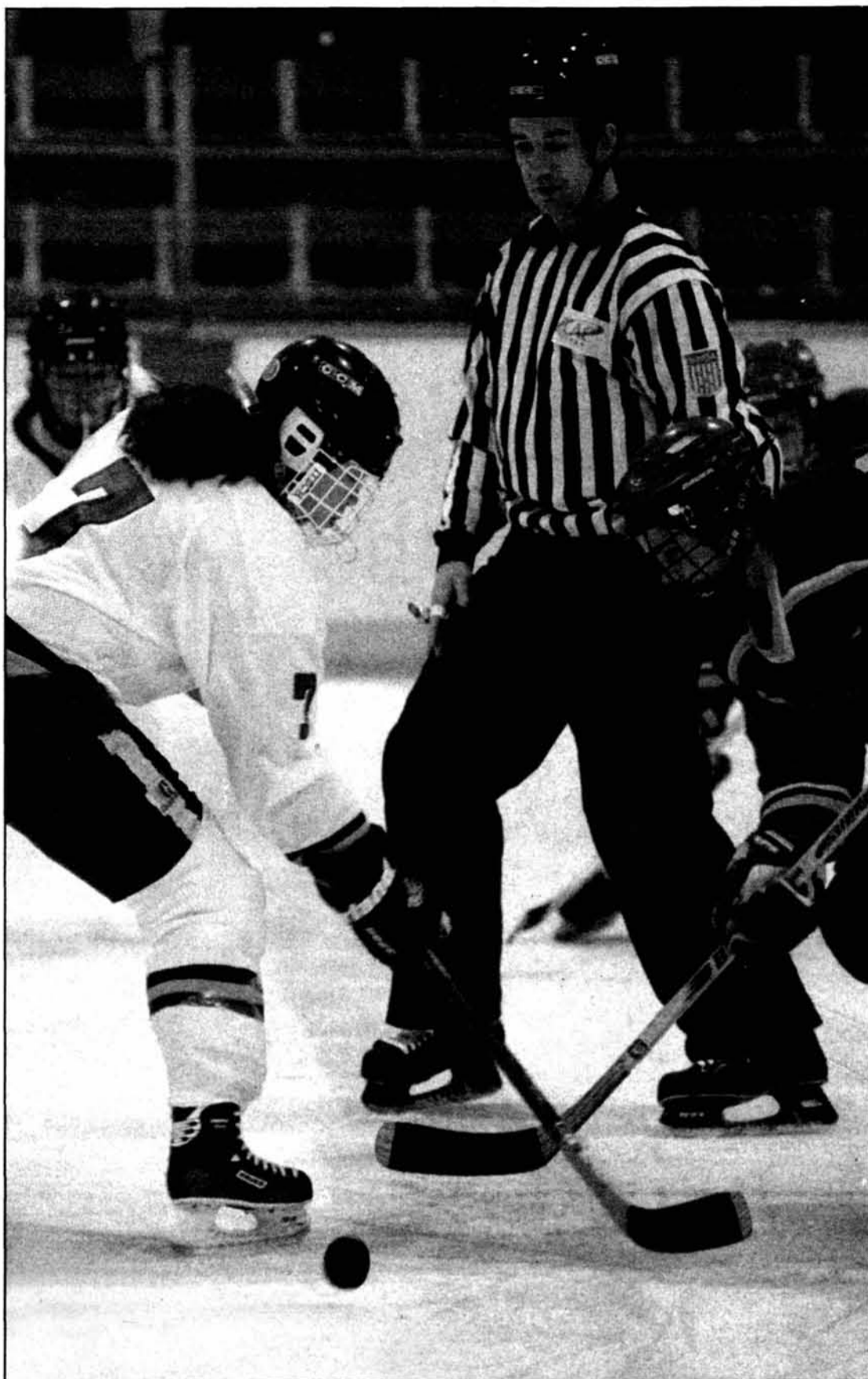
MORE WISDOM FROM THE EXPERTS: Before the 1999 New Year's Day game, CBS' Craig James declared that "Wisconsin is the worst team ever to play in the Rose Bowl." The Badgers went on to defeat UCLA in Pasadena.

This season, CNN's Trev Alberts foresaw little chance of a Wisconsin return to the Rose Bowl, saying "Wisconsin doesn't have a quarterback and their defense isn't the same." Wrong again. The Badgers not only went on to the 2000 Rose Bowl but defeated Stanford.

MOST ANNOYING PROMOS: For several weeks, "Monday Night Football" viewers were shown clips of scenes from other countries, such as Lebanon, followed by NFL clips, with the caption, "Isn't America Great?" They were followed by a clip of broadcasters Al Michaels and Boomer Esiason playing catch, or worse, wrestling. Where's Glanville with that motorcycle?

HOLD THE TURKEY: After Fox took an extended look at broadcaster John Madden's bus during a Thanksgiving Day game, the Chicago Tribune's Steve Rosenbloom wrote: "Here's why John Madden and Pat Summerall have to go: The Bears and Lions are nearly in a fight, and we're stuck watching that turkey tour of the fat guy's bus. Tell Fox we're watching the game, not some drooling announcer's grub."

Rosenbloom should have given thanks. At least no one was eating out of an athlete's protective cup that day.



SEPHIR HAMILTON—THE TECH

Patricia Lee '00 loses a face-off during the women's varsity hockey game against Williams College Sunday. The team lost the contest 14-1, bringing the Lady Engineers to a disappointing 0-9-0 on the season.



WAN YUSOF WAN MORSHIDI—THE TECH

Kristen L Clements '02 won the freestyle event during last Wednesday's meet against Salem State College.

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SPORTS

Men's Gymnastics Starts Anew

Teams Sets Sights on Earning Respect, Hopes Wins Will Follow

By John C. Olsson
TEAM MEMBER

The MIT men's gymnastics team was narrowly defeated by Springfield College and Navy — narrowly in terms of effort, that is. As far as the scoring went, the Engineers held a dead tie with their opposing forces throughout the entire warmup session, but began to slip behind once the actual judging commenced. Although this pattern has typified their prior competitive seasons, there are reasons to hope for change.

MIT was set back off the bat with the absence of Dave Hu '01 due to an requisite CAT scan coincident with the meet. Although this partially affected the team by forcing them to compete with an incomplete roster, the debilitating effect was the missing motivation gained from watching Hu pertinaciously exhaust and injure himself during warmups.

A handful of remarkable performances out of the numerous, unrelenting attempts characterized MIT's aptitude to balance luck with ability.

Rookie Damien Engen '03 rocked the floor exercise with a routine including his newly-acquired 'D'-valued double-front salto. Another fortunate happen-

stance was the pommel horse routine nailed by co-captain J.C. Olsson '00. Olsson is currently tied for first place on MIT's all time standings on the horse.

The vault event was one of MIT's most consistent this Saturday. Luke Massery '02 launched his career highest pike tsukahara for an 8.55. However, one insurmountable obstacle, as Massery's vault and Olsson's horse assuredly demonstrated, is that the judges deduct pitilessly for the 3-initial embroidery on the front of the team's uniforms.

Tanabe overcame a surgery-pending shoulder injury, to throw a clean and commendable floor set scoring a 6.1.

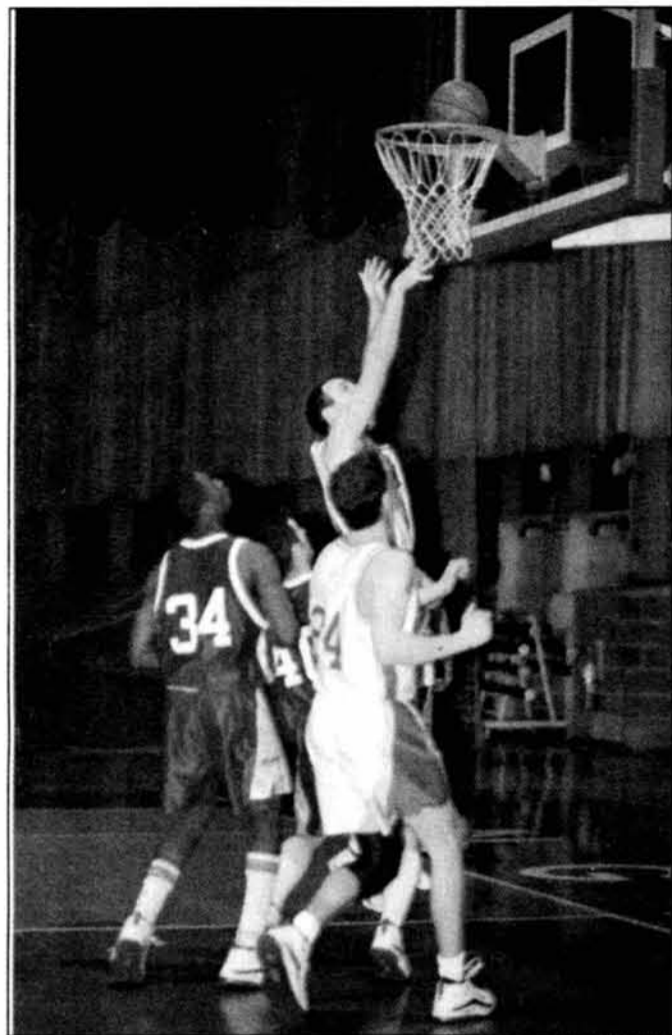
Engineers savor small victories

Other triumphs of the Engineer's newly-coined "suck less" campaign included an undaunted

and aggressive high bar routine by Reuben "Benji" Sterling '03 and a brute strength rings set by Rafael Vazquez '01.

Also back in full force from years prior is the ex-high-school-wrestling duo of Max Fischer '00 and John Tilly '00. Determined to characterize all gymnastics events as nautilus equipment, Tilly edged out Fischer on the rings with about twenty "iron" crosses and a 6.05, while Fischer pulled out all the stops on a parallel bars routine that earned him a 7.3.

For the second meet of the seasons, things look quite good. The men most notably have gained the appearance of a real, honest-to-god gymnastics team (which may partially be due to the new team warm-ups). This year there is unbridled determination to win some respect for themselves, not as scientists or engineers, but as gymnasts.



Despite heroic plays such as this lay-up in last Tuesday's basketball game against Coast Guard Academy, the Coast Guard Bears defeated the Engineers 58-64.

W. Basketball Falls to Mt. Holyoke

By Erion J. Clark

The MIT women's basketball team tried its hand at 'Lyon' taming on Saturday, in the Rockwell Cage before over 100 fans. Unfortunately, the Mount Holyoke Lyons outlasted the Engineers to defeat them 77-74 in overtime.

Despite nearly identical statistics, MIT allowed the Lyons to make the most of second chances. First year assistant coach Nitza Basoco explains, "We gave them too many opportunities... too many offensive rebounds."

Both teams controlled 16 offensive boards, but the Lyons were more able to score on quick second shots than the Engineers, who normally used their offensive rebounds to reset their offense.

The offense found its high gear, as the Engineers scored their highest point total (74) of the season. MIT finished regulation with 64 points, their second highest regulation total to date. Both wins for the Engineers this season have come when they have scored more than 60 points. Not since the January 9 game against Worcester Polytechnic Institute have the Engineers scored 60 points or better. This has, in part, hindered MIT, as the women's team still seeks its first win of the new year.

What has helped MIT in this season's campaign is the spirited, scrappy play of the front court. Captain center Cristina Estrada '01

	1	2	OT	F
MIT	22	42	10	74
Mt. Holyoke	27	37	13	77

MIT	Pts	Reb	Mt. Holyoke	Pts	Reb
Conley	10	10	Davis-Fuller	0	4
Daugherty	2	1	Dodge	16	10
Hendry-Brogan	5	2	Justice	17	6
Estrada	23	7	Lindquist	2	2
Kelly	6	2	Milligan	2	1
Mok	8	2	Osowski	15	8
Riddick	2	2	Romano	2	4
Russell	10	11	Scheffliti	9	2
Willetts	6	8	Williams, E.	14	6
Yang	2	3			

Field Goals	31/73 (42.5%)	Field Goals	29/72 (40.3%)
3-Point FG	0/7 (0.0%)	3-Point FG	4/10 (40.0%)
Free Throws	12/25 (48.0%)	Free Throws	15/29 (51.7%)

Elizabeth Williams and Anne Osowski) with 62 of the Lyons' 77 total points. They also made their way to the line for foul shots down the stretch. Although both teams didn't shoot well from the charity stripe (Mt. Holyoke - 51.7 percent, MIT 48 percent), Tech lead until a Mt. Holyoke shot evened the score at 64, seconds before the buzzer.

In overtime, Tech was short-handed in the paint, with Estrada on the bench with 5 personal fouls and Willetts reagravating an first half injury. Using this to their advantage, the Lyons worked the ball inside against MIT and pushed Tech's record to 2-11.

The Engineers seek to finish up January on a strong note with games against Wellesley, Elms and Smith colleges. With a healthy winning streak going into the second semester, Tech can secure another winning season and prepare to make a run at claiming the NEWMAC title.

MIT pulls to tie in second half

Tech came out in the second half trailing 22-27. With their pressing defense forcing Mount Holyoke to miss early second half shots, they created chances to pull ahead. Willetts gave MIT the lead with 14:40 remaining in the 2nd half with a basket. Down the stretch, there were many lead changes. As it seemed that Tech would fall in regulation, Crystal Russell evened the score up with 1:27 remaining in the half with a 3-point play.

Mt. Holyoke's front court led the way in scoring (forwards Laura Dodge and Jennifer Williams, centers

At the MIT Quad Cup, the Engineers placed second to Division II school UMass Lowell.

MIT's throwers started the team off strong in the weight throw. Princess Imoukhuede '02 knocked the notorious Bates throwers from their pedestal and throwing the 20-lb. weight 50'5 1/2". This mark not only smashed the previous varsity record she set the previous week, but also qualified her provisionally for Div. III NCAA championships.

Vanessa Li '02 and Stephanie A. Norris '02 secured the top two places with a strategic move to clear an impressive height of 9'3" instead of moving on to 9'6" confident that they could clear that height in fewer attempts than the USM contender in the case that they tied.

Also at the MIT meet, Deborah S. Won '00 took first place in the 1000m with time of 3:10.3, which met ECAC qualifying standards and set a new varsity record.

MIT drops close meet at USM

With many of the Engineers

tripling in events and tremendous efforts by all, MIT competed extremely well against Springfield, Bowdoin, USM, Mt. Holyoke, and New York University, and finished third at USM's Quad Cup. Although Springfield and Bowdoin eventually pulled ahead, MIT was in close contention with both schools during the last half of the meet.

Early in the meet, MIT had moved from fourth to third and remained at third for a long time. With the distance medley relay, shot put, triple jump, and high jump remaining, MIT had moved into very close contention with Springfield and Bowdoin. MIT moved into a tie for first after the relay events but eventually fell to third when they could not field jumpers in the high jump and triple jump.

The field events also again overflowed with great performances from the Engineers. Li and Norris qualified for nationals in the pole vault with outstanding jumps of 10-2 and 9-7, respectively. Their efforts gave MIT another first and third place finish.

In the 600m, Regina Sam once again demonstrated what seems to be her amazing ability to catch anyone within reach near the finish. Sam was able to lean just ahead of a Bowdoin runner to capture third place with a N.E. Div. III qualifying time of 1:46.1.

UPCOMING HOME EVENTS

Thursday, January 27

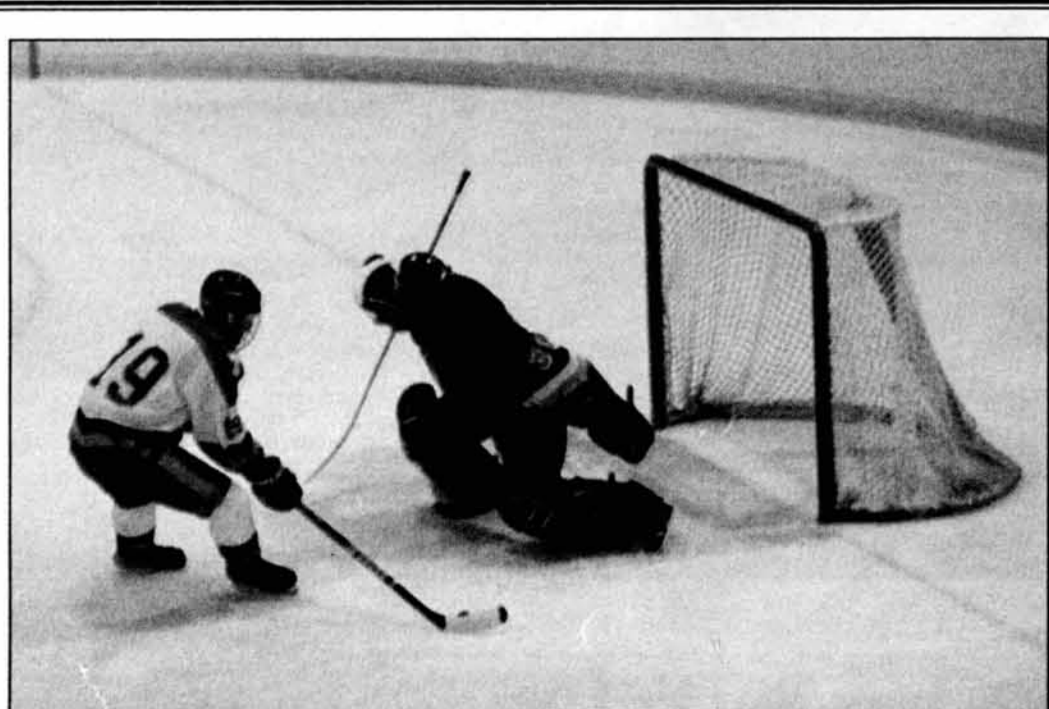
Men's Basketball vs. Brandeis University, 7:00 p.m.
Men's Ice Hockey vs. Community College of Rhode Island, 7:00 p.m.

Friday, January 28

Women's Ice Hockey vs. Rochester Institute of Technology, 7:15 p.m.

Saturday, January 29

Men's Gymnastics vs. UMass and University of Vermont, 2:00 p.m.
Squash vs. Fordham University, 10:00 a.m.
Women's Ice Hockey vs. Hamilton College, 3:15 p.m.



Avishai Geller '01 attempts a shot on goal in Friday night's game against Coast Guard Academy. The Engineers won 7-1.