

Jonikas 'Schwings' to 2.007 Win Over Parness

By Jennifer DeBoer
STAFF REPORTER

"Three ... two ... one ... GOOO!" shouts a boisterous, suspended M.C.

"Spank that monkey weeeeeee," he calls to the contestant who fervently jerks her controls back and forth, swinging the PVC pipe as the points on the massive screen add up.

Opposite her, another bespectacled driver launches his quick little machine into a scoring bin and sits back.

"No!" she shouts and the boy laughs and raises his hands in victory. Next to him, a green beaver waves his hands as his eyes shine an LED red.

The quarter-final round of the annual 2.007 contest has been decided.

Yearly contest challenges students

Every year since 1970, students in 2.007 have walked into class on the first day and been presented with a challenge — to create a machine that, under strict guidelines, will outperform everyone else's in the class. Tuesday's and Wednesday's matches were the culmination of a semester spent designing, building, and testing these ten-pound remote-controlled machines.

This year's contest, "Schwing," redefined the playing field by allowing two distinct methods of scoring. Students were asked to push street-

hockey balls and pucks into scoring bins, as in past years. However, they could also score points by rotating the PVC pipe pendulum on their side. At the same time, their opponent, who also had a pendulum and scoring bin to worry about, tried to block their attempts to score, and vice-versa. Restrictions such as a ten pound weight limit and rules on intentionally damaging the opposing machine made the scenario even more challenging.

Winner predicted early on

"Martin Jonikas. That guy's going to win. He's the winner," says spectator Darien B. Crane '03. Crane, who predicted the soon-to-be winner before Wednesday's finals even began, knows Jonikas from his Unified Engineering class, which Jonikas took last year as a freshman.

The quarter-finals, which now have just finished, saw Martin C. Jonikas '04 achieve the first (and last) six-digit score, with over 110,000 points.

"I was very confident about my machine," Jonikas said. "I tested it about thirty times."

Early on, 2.007 host and lecturer Professor Alexander H. Slocum '82 "figured either Martin" or one other classmate would win.

Sponsors contribute prizes

"This course is about tradition," Slocum announces to the audience.



Professor Alexander H. Slocum '82 presents the 2.007 trophy to winner Martin C. Jonikas '04.

He sings and shouts at the audience with the voice of an auctioneer, encouraging them to accompany his strange machine sound effects.

"More power Mr. Scott! I can't do it Captain. I lost my battery. Time!"

Slocum shouts. Another round eliminates another hopeful hunk of metal.

One of his graduate students, Sean J. Montgomery, lines up the

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Anzolini Leaving MITSO For NEC on Sabbatical

By Jeremy Baskin
ASSOCIATE ARTS EDITOR

Tomorrow, the MIT Symphony Orchestra will play its final concert of the season. Such an occasion

Feature would not usually be an especially newsworthy event, but this concert will mark the last performance that music director Dante Anzolini will give with the ensemble before taking a year-long sabbatical.

Anzolini is to spend the bulk of his paid leave from MIT at the New England Conservatory of Music as the director of the orchestral program.

Timing is everything

In music, timing is everything; no famous conductors can afford to have bad timing on the podium. Yet, off the stage, it seems like Anzolini's timing is somewhat askew. An

Anzolini, Page 16



Jonathan Wang—THE TECH
Microprocessor Control Lab (6.115) Professor Steven B. Leeb holds the Big Screw. Leeb won the annual Alpha Phi Omega Institute Screw Competition, which raised \$1997.71 for the Pine Street Inn. Leeb collected over \$800 in donations, beating President Charles M. Vest in second place with over \$300 in donations and Chancellor Phillip M. Clay PhD '75 in third with over \$200 in donations.

Students Tackle Accounts Problem

By Jennifer DeBoer
and Brian Loux
STAFF REPORTERS

Representatives from the Association of Student Activities, Dormitory Council, Graduate Student Council, Undergraduate Administration, The Tech, Technique, and Alpha Phi Omega met Sunday to formulate a list of requirements for the new MIT banking system that will forcibly replace outside bank accounts currently operated by student groups.

The groups hope to gain more feedback and organize their requests before speaking with the Student Finances Office of Residential Life and Student Life Programs and the Treasurer's Office. Other student groups are working either independently or with ASA to voice their opinions to RLSLP.

All groups agreed that improved online access, quicker turn-around time for transactions, and extended business hours were necessary to match the flexibility of outside bank accounts. Students also called for clearer account statements, a written agreement ensuring freedom and full control over accounts for student groups, and a yearly review process in which students can give feedback to accounting management.

"We're not yet sure how many services they can actually provide," said GSC President Sanith Wijensinghe. "Whether or not they will be able to give us the services they promise by the date they've set depends on how seriously they take the job they have."

Accounts move prompts meeting

The announcement of the change was made by MIT Treasurer Allan

Accounts, Page 15

Edward Cohen

Edward Cohen, composer, performer and senior lecturer in music, died at the age of 61 on April 27, following a long illness.

Trained in classical music, Cohen was inspired by jazz and committed to composing to new music. He composed pieces for everything from solo instruments to orchestras, in addition to two operas. His most recent opera, "The Bridal Night," premiered in January and was performed by the College New Music Ensemble in Boston.

"He was a great musician and a wonderful teacher," said Professor of Music Ellen Harris, director of the music and theater arts section at MIT.

Cohen lauded for compositions

Cohen received many awards and commissions for his works, from the Massachusetts Council for the Arts, the MIT Council for the Arts, Tanglewood Music Center and Brandeis University. His clarinet quintet was released on the CRI label.

Last year, a 60th birthday concert was held at MIT in Cohen's honor. The Killian Hall concert drew students and faculty from MIT and Brandeis as well as local musicians and critics. Cohen attended in a wheelchair due to his illness.

Richard Buell reviewed the concert for the *Boston Globe*. "Forgive the stereotype, but university professors aren't supposed to compose music like this," he said. "The piano quartet was a continuation of Shostakovich's music; the piano sonata, a big-scaled vigorous enterprise."

MIT career spanned 25 years

Cohen began teaching at MIT in 1977. Students and faculty cited both his generosity and seriousness of purpose when working with Cohen. Dawn Perlner '01 recalled one occasion where Cohen composed on demand. "I'll never forget the time Profes-

Cohen, Page 19

The Senior Segue missed its target, but will still reduce crowding.



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Comics

NEWS

Lost brass rats are found, and an MIT professor wins a National Medal of Science.

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WORLD & NATION

Mailbox Bomb Suspect Plotted To Make a 'Smiley Face'

LOS ANGELES TIMES

LAS VEGAS

Accused pipe bomber Luke J. Helder may have had a strategy in his selection of mailboxes, if his remarks to a sheriff's deputy shortly after his arrest are to be taken seriously.

Helder said his choice of targets, when plotted on a map, would depict a "smiley face," the ubiquitous symbol of happiness popularized during the 1970s.

Helder, who is scheduled to appear in U.S. District Court Friday in Cedar Rapids, Iowa, was arrested Tuesday on a northern Nevada freeway after his father alerted the FBI that his son might have planted the pipe bombs found in mailboxes in five states.

Six of the bombs exploded, each one causing an injury, none life-threatening.

Helder admitted to planting 18 bombs, 10 of which were not set to detonate, according to FBI agents. Another six bombs were discovered in his vehicle. When stopped, Helder held a shotgun to his head before throwing it out his car's window and surrendering.

Enron Auditors Warned About Accounting

LOS ANGELES TIMES

HOUSTON

An Arthur Andersen partner testified Wednesday that he was warned about Enron Corp.'s accounting methods by Enron Vice President Sherron S. Watkins, and that he relayed those concerns to his firm's Enron team.

Andersen partner James Hecker told a federal jury here that he received the call from Watkins, a former colleague at Andersen, Aug. 20. Hecker said Watkins confided her increasing uncertainty over the propriety of Enron's methods of accounting for off-the-books partnerships managed by her supervisor, Enron chief financial officer Andrew S. Fastow.

Hecker was not involved with the Enron audit but said he relayed Watkins' concerns to several Andersen partners in the Houston office who were.

Hecker, the first Andersen executive to testify in the trial, took the stand as prosecutors sought to prove that Andersen feared a Securities and Exchange Commission probe of Enron and shredded documents to obstruct the inquiry. A conviction on the obstruction charge could prompt the SEC to prohibit Andersen from auditing public companies, dealing a devastating blow to the 89-year-old firm.

CIA Fired Missile in Attempt to Kill Factional Leader with Al-Qaida Ties

THE WASHINGTON POST

The CIA fired a missile from an unmanned Predator aircraft over Afghanistan Monday in an unsuccessful attempt to kill a factional leader who's vowed to attack U.S. service personnel and oust the interim Afghan government of Hamid Karzai, according to administration sources.

The targeting of a meeting of Gulbuddin Hekmatyar and his top aides outside Kabul was based on information he was plotting attacks against Americans, officials said.

Hekmatyar is a Pashtun who as leader of a hard-line Islamic party, Islamist Hezb-e-Islami, has frequently changed loyalties over the past 20 years. Anti-Americanism has been one of his few long-lasting positions, sources said. U.S. officials and Afghanistan's interim leadership allege Hekmatyar has ties to al-Qaida.

The CIA missile strike against Hekmatyar represented an escalation in a confrontation that's been brewing for the past two months between the United States and Hekmatyar.

Israeli Attack on Gaza Strip Likely After Suicide Bombing

By Mary Curtius

LOS ANGELES TIMES

GAZA CITY

Israeli tanks and troops moved close to the Gaza Strip on Thursday, and state-run media said an attack was imminent in retaliation for a suicide bombing Tuesday that killed 15 Israelis.

Gazans sent their children to school and went to work, but also laid in stores of food, fearing the sort of siege on their towns, villages and refugee camps that the Israeli army imposed in the West Bank during the invasion launched March 29. The army issued call-ups to an unknown number of reserve soldiers, normally a sign that a large-scale operation is in the offing.

After nightfall, street traffic in Gaza City was light, but restaurants were open. At a popular beach hotel, groups of men gathered to smoke water pipes and argue politics on a balcony overlooking the sea.

"What are we supposed to do, head for the bunkers?" shrugged Ziad abu Amer, a Gazan representative to the Palestinian legislature.

Israeli security sources believe that the man who blew himself up Tuesday night at a snooker club in the Israeli town of Rishon Le Zion

was a member of the militant movement Hamas and came from Gaza. But a spokesman for the Islamic organization said he did not know who carried out the attack.

"I don't know who did it, but we expect that angry Palestinians will do more such attacks," said Ismail abu Shanab in an interview with the Los Angeles Times. Hamas issued no formal claim of responsibility for the attack.

Abu Shanab mildly criticized the bombing, which he called "this act of resistance," noting that "maybe this is a critical time and maybe it is better not to do it at this time." Hamas has carried out more suicide attacks on Israelis than any other Palestinian group since fighting erupted in September 2000. There have been a total of about 60 attacks, many of them in the heart of Israeli cities.

The organization says it wants to destroy the 1993 Oslo peace accords between Israel and the Palestinians and to eliminate the Jewish state. But it does not want to be blamed for triggering either Israel's knockout blow to the already weakened Palestinian Authority or the expulsion of Palestinian leader Yasser Arafat.

The army swept into six of the West Banks eight major cities in the

West Bank operation, occupying some for several weeks, but stayed out of Palestinian-controlled areas of Gaza.

The strip is the stronghold of Islamic militant organizations that have carried out suicide bombings, but Palestinian attackers sent from here rarely penetrate the heavily patrolled fence that separates Gaza from Israel. Last month, security officials argued that Gaza was relatively contained and that the army would pay too high a price in casualties if it mounted a massive ground operation.

But those constraints appear to have been swept away by the Rishon bombing, the deadliest attack by Palestinians since the army's West Bank operation.

Israeli Foreign Minister Shimon Peres said the coming operation would be "functional, not territorial," a "pinpointed" targeting of militant groups rather than an occupation of territory.

But a worried Palestinian Authority, desperate to stave off another crippling blow to its infrastructure, arrested 16 Hamas members in Gaza after Arafat condemned the Rishon bombing in a televised Arabic statement as a terrorist act.

Parade Attack Near Chechnya Kills 36, Including 13 Children

By Sharon LaFraniere

THE WASHINGTON POST

MOSCOW

Thirty-six people, including 13 children, died Thursday morning when a bomb ripped through a military parade in a town near the volatile region of Chechnya, in southwest Russia. Local authorities said more than 150 people were injured.

Black smoke billowed down the main street of Kaspiisk, a Caspian Sea port of 12,000, after the blast tore a hole in the sidewalk just as a military band marched by en route to a wreath-laying ceremony at the local cemetery. Video footage showed children darting between the rows of band members, pretending to march with them.

Authorities said the bomb packed 6 to 11 pounds of TNT, metal balls, plates and screws and was probably remote-controlled.

It was the worst such attack in Russia since Sept. 13, 1999, when explosives hidden in sugar sacks in a Moscow apartment building killed 119 people.

President Vladimir Putin blamed the bombing on "scum who hold nothing sacred."

Officials in Kaspiisk suggested the obvious suspects were Islamic militants from neighboring Chechnya, roughly 100 miles west. Chechen separatists, aided by bands of foreign fighters, stage regular attacks against the Russian military there.

That suspicion was bolstered by

the fact that it occurred on Victory Day, when Russians celebrate the defeat of Nazi Germany 57 years ago. Nearly six decades after the war's end, the holiday is still one of the most revered dates on the Russian calendar.

Putin, who apparently learned of the attack as he watched thousands of elite Russian troops march through Red Square this morning, said Russia would treat its new enemy as it did the Nazis and recalled the Soviet Union's World War II slogan: "Kill the viper."

"Today is the most cherished holiday for our people. Even on such a day, bandits without any emotion are killing innocent people, including children," he told a crowd gathered near the Kremlin for the celebration.

WEATHER

The Right Coast

By Robert Korty

STAFF METEOROLOGIST

The comedian Lewis Black once quipped that the best job in the world is to be the weatherperson in San Diego. Having just returned from a conference there, I see his point; the five day forecast called for sunshine and mild weather all week. In truth, though, forecasting weather on the west coast can be a difficult job. While we in New England benefit from a continent full of weather observations to our west, scant data are available from the Pacific Ocean either to meteorologists or to the weather models that forecast the evolution of the atmospheric flow. Weather models generally forecast systems over the eastern United States well a few days ahead of their development, though local shifts in wind, such as a sea breeze, still complicate the forecast, especially during spring.

A front pushed offshore last night, sweeping the cloudy weather of yesterday out to sea. Today will be sunny, warm, and windy as a tight pressure gradient will keep westerly winds strong through this evening. Saturday will be pleasant also, but a weak area of low pressure will bring the threat of rain back to southern New England on Sunday.

Extended Forecast

Today: Mostly sunny and warm. High 72°F (22°C). West winds 15 mph.

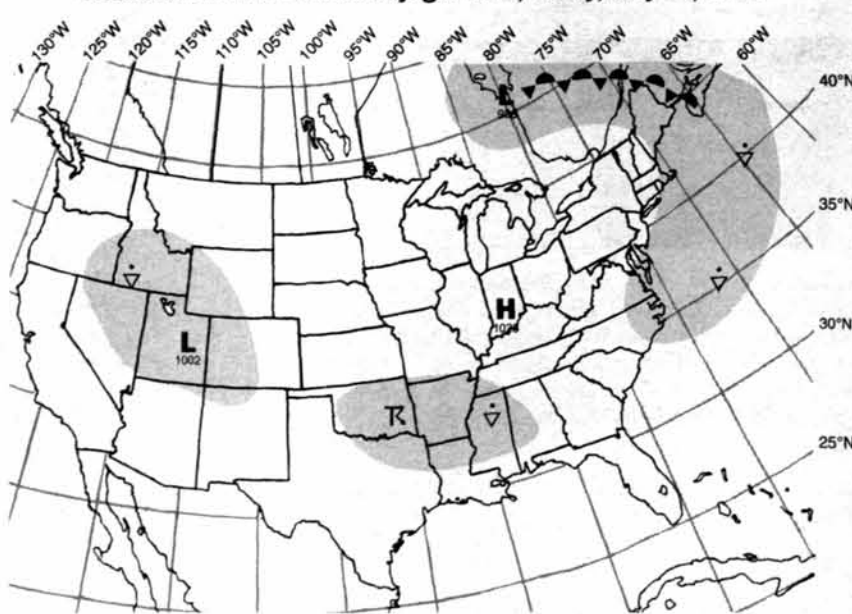
Tonight: Clear, low 44°F (7°C).

Saturday: Mostly sunny, high 68°F (20°C).

Saturday night: Cloudy with rain showers. Low 40°F (4°C).

Sunday: Cloudy and cool with scattered showers. High 55°F (12°C).

Situation for Noon Eastern Daylight Time, Friday, May 10, 2002



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	Trough	Snow	Fog
L Low Pressure	Warm Front	Rain	Thunderstorm
S Hurricane	Cold Front	Light	Haze
	Stationary Front	Moderate	
		Heavy	

Compiled by MIT Meteorology Staff and The Tech

Governor of Maryland Orders Moratorium on Death Penalty

By Henry Weinstein
LOS ANGELES TIMES

Maryland Gov. Parris Glendening on Thursday declared a moratorium on executions in the state, pending completion and review of a study on whether there has been racial bias in how the death penalty has been applied there.

Glendening, a Democrat, said he expected the moratorium to last for about a year.

Maryland is now the second of the 38 states with capital punishment laws to impose a moratorium, following the lead of Illinois Gov. George Ryan, who halted executions in 2000, after 13 death row inmates had been exonerated there, including one who had ordered his

last meal.

Legislation to impose a death-penalty moratorium is now pending in nine other states. In addition, 72 cities, from San Francisco to Nashville, Tenn., have passed resolutions supporting execution moratoriums.

Glendening ordered the moratorium as he granted a stay of execution to a man who was scheduled to be killed by lethal injection next week for murdering a woman at a Catonsville shopping mall in 1991.

The governor said he was granting Wesley E. Baker a stay because the state-funded study by the University of Maryland is expected to be completed in September and there's a "critical need to be

absolutely sure the process is fair and just." Glendening added that he would "stay all other cases that come before me until the completion of the study — an examination of 6,000 criminal cases where prosecutors could have sought the death penalty — and its reviews by the Legislature."

Glendening reiterated his general support for the death penalty, saying that "there are certain crimes so brutal and so vile that they call for society to impose the ultimate punishment." However, the governor emphasized, "reasonable questions have been raised in Maryland and across the country about the application of the death penalty."

New System for Tracking Students Only Months Away From INS Use

By Cheryl W. Thompson
THE WASHINGTON POST

WASHINGTON

A new system that will allow the Immigration and Naturalization Service to track approximately 1 million foreign students will be up and running in the next several months, Justice Department sources said Thursday.

The start-up of the Internet-based system, after years of criticism from lawmakers of the INS's antiquated tracking methods, is seen by officials as a significant step toward monitoring foreign students and beefing up the country's anti-terror safeguards. The system is scheduled to be operational by July 1.

The INS was "supposed to keep

up with (students), and obviously the schools were not cooperating. But the bulk of the problem was the system itself was antiquated," a Justice Department official said Thursday. "You can't push a million students through a paper system and expect to get accuracy."

The system is designed to provide up-to-date information on non-immigrant foreign students, such as name changes and new dropouts, an official said. Each school will have 24 hours to input changes.

Schools now maintain paper records on foreign students; the records are not kept in a central location and are not provided to the INS unless the agency requests them.

"It is the single best step the fed-

eral government can take to keep closer tabs on international students studying in the United States," said Terry Hartle, senior vice president of the American Council on Education, which represents 1,800 public and private colleges and universities.

A 1996 immigration reform law required the INS to upgrade the system by which it keeps track of the 1 million foreign students studying in the United States at any time. The system must be in place by January.

Pressure to get the system up and running has increased since the Sept. 11 terrorist attacks on New York and Washington. Hani Hanjour, one of the 19 hijackers, used a student visa to enter the United States.

Senators Clear Way to Grant Bush Fast-Track Trade Authority

LOS ANGELES TIMES

WASHINGTON

Democratic and Republican negotiators announced Thursday that they had cleared obstacles to Senate passage of a bill granting President Bush greater authority to negotiate international trade agreements.

Central to the agreement is a package of expanded benefits — including a 70 percent federal health insurance subsidy — for qualified workers who lose jobs in domestic industries hurt by foreign competition.

Republicans also agreed to roughly double the number of workers eligible for the program known as "trade adjustment assistance." Overall, the worker-aid provisions would cost \$10 billion to \$12 billion over 10 years.

In exchange for those GOP concessions, Democratic negotiators agreed to drop demands for a costly federal subsidy of retirement benefits for steelworkers and certain restrictions on Mexican trucking on the United States.

The accord was reached by Sens. Max Baucus, D-Mont., Charles E. Grassley, R-Iowa, Phil Gramm, R-Texas, and John B. Breaux, D-La., and had the blessing of the Senate majority and minority leaders. Senators also said the White House was pleased with the progress.

"We have an agreement," Baucus told reporters. He called the worker-assistance provisions "a huge improvement over current law."

Students' History Knowledge Lacking, Test Finds

THE WASHINGTON POST

WASHINGTON

Nearly six in 10 of the nation's high school seniors lack even a basic knowledge of American history, a finding virtually unchanged from seven years earlier, according to results released Thursday from a widely respected national test.

The results from the National Assessment of Educational Progress (NAEP), often referred to as the nation's report card, were more encouraging for fourth- and eighth-graders, who showed modest gains in their knowledge of U.S. history. But even with their improvement, just 67 percent of fourth-graders and 64 percent of eighth-graders demonstrated basic knowledge of U.S. history. Meanwhile, fewer than one in five students in both grades were deemed proficient in the subject.

The exam, administered last year to a nationally representative sample of 29,000 students, found that many students knew neither the basic facts of American history nor understood their importance.

"What this report card is telling us is that too many of our public school children are still struggling in this critical core subject area," said Education Secretary Roderick Paige.

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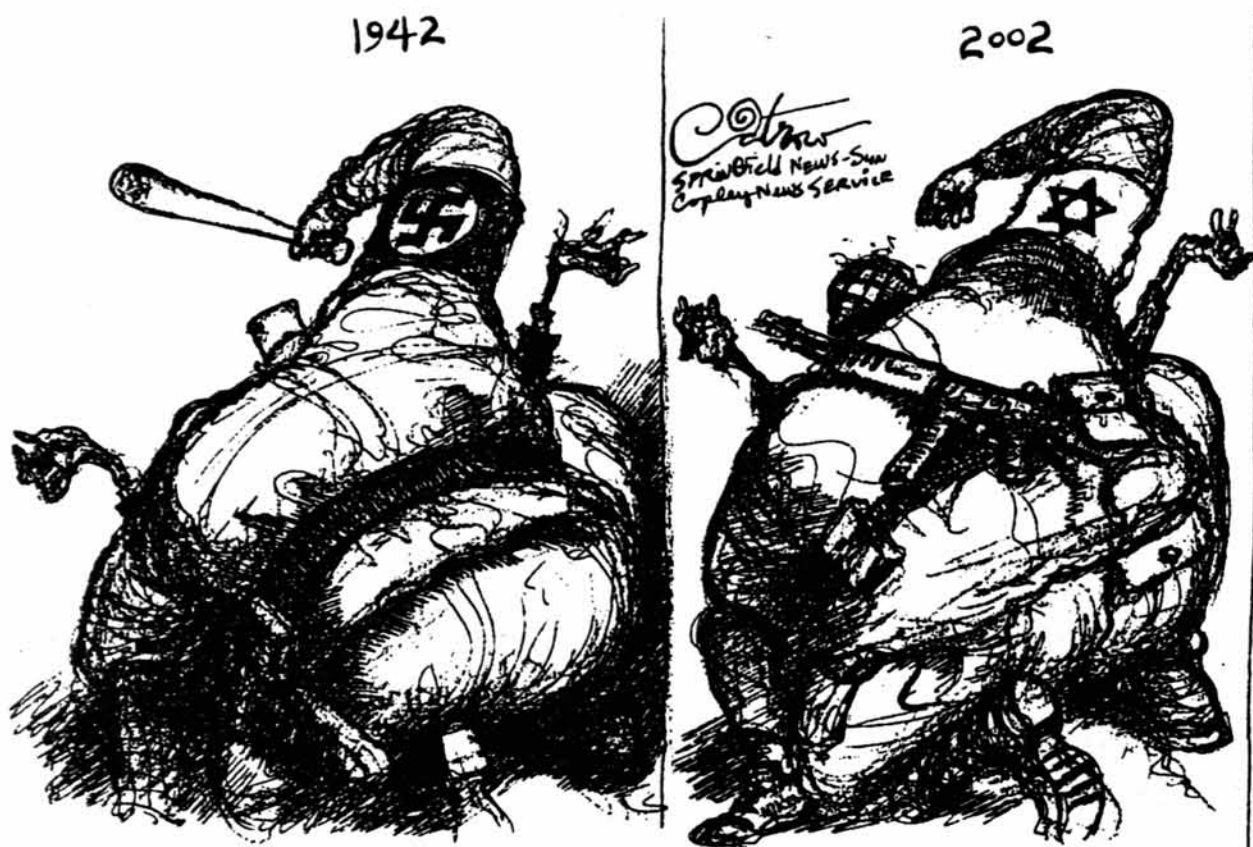
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Letters To The Editor

Drug Your Workers

In Dan Tortorice's column from May 3 ["Fair Labor Standards For Some"], he insists on once again insulting the reader's intelligence with his distanced "I'm an economist, you're not" opinion writing. Tortorice is wrapping a conservative argument in a thin sheen of condescension which doesn't survive scrutiny. At least he could be honest about his anti-worker views. When Tortorice uses his "investment bank example," he claims that if you are not getting the most profit you possibly can using your capital, you are actually losing money because that maximum profit is not yours! Never mind the fact that you may be making 15 percent on

your investment, but if you aren't making 17 percent when it is possible to do so, you are losing money!

Example: My theoretical sweatshop operates in my basement making wallets for export. While doing some entrepreneurial soul searching, I make a small list of ways to operate my business to maximize profit.

1. I could give my workers a living wage.
2. I could keep the status quo of modern day workplaces, and ignore living wage considerations.
3. I could force my employees to work 12-hour shifts, with regular beatings and mandatory amphetamine use to keep productivity up and morale high.
4. I could just steal the damned wallets and sell them myself, cutting the worker out of the equation entirely.

Admittedly, options three and four are abusive and immoral (not to mention exaggerated), but quite profitable. We who support a living wage believe not giving your worker enough money to survive when they work for you full time is immoral and not an option for the entrepreneur, just like options three and four are not even considered reasonable choices by modern employers.

Those who need living wage laws are forced to endure 50 to 80 hours of hard and often unhealthy labor only to be rewarded with a poverty level income. To claim that not having a living wage is ultimately better for these people is appalling.

Marc Rios '04

Opinion Policy

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

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 should be sent to letters@the-tech.mit.edu. Hard copy submissions should 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.

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Chomsky's Immoral Divestiture Petition

Guest Column
Alan M. Dershowitz

Who is Noam Chomsky and why is he seeking to compel universities to divest from corporations that have ties to Israel? I have known Noam Chomsky for more than thirty years. I have debated him on numerous occasions, and I have written extensively about his zealous anti-Zionism and his flirtations with neo-Nazi revisionism and Holocaust denial. I was not surprised therefore to learn that he is the inspiration behind the foolish and immoral campaign for divestiture.

I first debated Chomsky in 1973, several weeks after the Yom Kippur War. Chomsky's proposal at that time was consistent with the PLO party line. He wanted to abolish the state of Israel, and to substitute a "secular, binational state," based on the model of binational "brotherhood" that then prevailed in Lebanon. Chomsky repeatedly pointed to Lebanon, where Christians and Muslims "lived side by side," sharing power in peace and harmony. This was just a few years before Lebanon imploded in fratricidal disaster.

This is what I said about Chomsky's hare-brained scheme in our 1973 debate: "Putting aside the motivations behind such a proposal when it is made by the Palestinian organizations, why do not considerations of self-determination and community control favor two separate states: one Jewish and one Arab? Isn't it better for people of common background to control their own life, culture, and destiny (if they so choose), than to bring together in an artificial way people who have shown no ability to live united in peace. I confess to not understanding the logic of the proposal, even assuming its good will."

My counterproposal was that "Israel should declare, in principle, its willingness to give up the captured territories in return for a firm assurance of lasting peace. By doing so,

it would make clear what I think the vast majority of Israelis believe: it has no interest in retaining the territories for any reason other than protection from attack."

Chomsky rejected my proposal out of hand. He characterized it as a mere return to the "colonialist status quo." Only the dismantling of the colonialist Jewish state would satisfy the PLO, and only the creation of a secular, binational Palestine in "all of Palestine" would satisfy Chomsky.

My next encounter with Chomsky revolved

There is no intellectually or morally defensible case for singling out Israel for divestiture, and I challenge Chomsky to debate me on the morality of this selective attack against an American ally that is defending itself — and the world — against terrorism that targets civilians.

around his writing an introduction to a book by an anti-Semite named Robert Faurisson who denied that the Holocaust took place, that Hitler's gas chambers existed, that the diary of Anne Frank was authentic, and that there were death camps in Nazi occupied Europe. He claimed that the "massive lie" about genocide was a deliberate concoction initiated by "American Zionists" "and that 'the Jews' were responsible for World War II. Chomsky described these and other conclusions as 'findings' and said that they were based on 'extensive historical research.'" He also wrote that "I see no anti-Semitic implication in the denial of the existence in gas chambers or even in the denial of the Holocaust." He said he saw "no hint of anti-Semitic implications in Faurisson's work," including his claim that "the Jews" were responsible for World War II. He wrote an introduction to one of Faurisson's book which was used to market his anti-Semitic lies.

In a subsequent debate at the Harvard Medical School, Chomsky initially denied having advocated a Lebanon-style binational

state for Israel, only to have to back down upon being confronted with the evidence. He also tried to dispute the fact that he had authorized an essay he had written in defense of Robert Faurisson to be used as the forward to Faurisson's book about Holocaust denial, but again had to back down. Chomsky took the position that he had no interest in "revisionist" literature before Faurisson had written the book. When confronted by Robert Nozick, a distinguished philosophy professor who recalled discussing revisionist literature with him well before the Faurisson book, Chomsky first berated Nozick for disclosing a private conversation and then he shoved him contemptuously in front of numerous witnesses.

This then is the man who is leading the campaign for divestiture against Israel. He is joined in this ignoble effort by some who would take the money now invested in the Mideast's only democracy and have it sent to Iraq, Libya, Syria, Cuba, the Palestinian Authority, and others who support and finance terrorism. He is also joined by a motley assortment of knee-jerk anti-Zionists, rabid Anti-Americans, radical leftists (the Spartacist League), people with little knowledge of the history of the Arab-Israeli dispute, and even some of Chomsky's former students who now teach in Israel.

There is no intellectually or morally defensible case for singling out Israel for divestiture, and I challenge Chomsky to debate me on the morality of this selective attack against an American ally that is defending itself — and the world — against terrorism that targets civilians. Universities invest in a wide array of companies that have operations in countries that systematically violate the human rights of millions of people. Nor are these countries defending themselves against those who would destroy them and target their civilians. Yet this petition focused only on the Jewish State, to the exclusion of all others, including those which, by any reasonable standard, are among the worst violators of human rights. This is bigotry pure and simple, and those who signed the petition should be ashamed of themselves and shamed by others.

Alan M. Dershowitz is the Felix Frankfurter Professor of Law at Harvard University.

Giraffe Rights

Dan Tortorice

In one of last week's odder news items, the Smithsonian's National Zoo refused a request to release the medical records of Ryma, a giraffe that recently died. What made this refusal so bizarre was one of the justifications: the zoo director said releasing the records would violate the giraffe's right to privacy and intrude into the zookeeper-patient relationship. This reasoning seems absurd. If releasing medical records violates animals' privacy rights, how does putting them in a giant cage so humans can stare at them and say, "Wow mommy, that giraffe has such a long neck," or, "Mommy, I think that hyena is killing the other hyena," not violate their right to privacy? How does having a Web cam in their cages — you can view the zoo's two pandas and its elephant Shanti on the zoo's Web site — not violate their privacy rights?

But I'm not writing to argue whether animals have privacy rights. I'm writing to correct

If releasing medical records violates animals' privacy rights, how does putting them in a giant cage so humans can stare at them not violate their rights?

an error in society's understanding of why humans have rights. It seems that people are content with John Stuart Mill's argument, from Utilitarianism, when they consider what gives a human being rights. They contend that human suffering is bad, and our rights come from the fact that violating those rights make humans suffer. This reasoning leads some to be wary of eating animals. They argue that animals too suffer and therefore also should have rights.

Despite the intuitive nature of this argument, it has clear shortcomings. Take the example of an individual who is unable to feel pain. Imagine he has no family or friends, so his death would not cause the suffering of anyone. In fact, maybe it would make his next door neighbor a bit happier. Would we be violating his rights if we killed him? I imagine any conscientious individual would say yes. Even though he is a human incapable of suffering, he still has rights. This makes me want to look beyond human suffering as the source of human rights.

Now at this point one may object that we should look at a broader definition of suffering. Maybe the person isn't capable of physical suffering, but clearly he will be happier alive than dead, so we can't really kill him. But this argument has a flaw. How do we know someone is happier alive than dead? At times people have believed they would be happier dead than alive. Since we don't know what death really is, a theory of rights based on individual happiness would seem to be on shaky ground.

Now let's think about another example. Imagine we have our person who can't suffer, a puppy, and that German guy from *Die Hard*. The German guy tells you he will detonate a bomb in a subway unless you either (A) kill the non-suffering man or (B) torture the puppy. What should you choose to do? Hopefully you will choose to torture the puppy. But this isn't the solution that minimizes suffering. (I imagine a puppy suffers when you torture it, though I have not actually done so myself.) The bottom line is, rights do not come from the ability to experience pleasure and pain. Something else gives us our rights.

What is that something? I would like to suggest that this something is our capacity to be moral. Unlike animals we are capable of understanding right and wrong and choosing to do one or the other.

If we believe that a human's choosing to do good, is good, then it is good for us to enable others to do good. And what must we give people for them to be able to do what is good? They need life; dead people can't do anything, never mind do good. They need freedom; people who can't choose can not choose to do good. They need education, to know what one should do. We have the moral obligation to provide these things to others. And these obligations are the origin of what we call rights.

This is why we should not automatically extend the rights of humans to animals. They are not moral creatures and we do not have the same obligations to them that we have towards our fellow man. Now don't suggest we all go out and kick dogs; I'd be a villain to do so. What I'm suggesting is that humans are unique beings and should be treated as such.

Oh, Rats!

Lack of Community at Ring Delivery Disappointed More Than Lack of an Actual Ring

Andrew C. Thomas

Since I have the misfortune of having a last name beginning with a letter between "P" and "Z," like much of the rest of the Class of 2004 I was unable to don my brass rat on Sunday evening. I could not yet wear this proud symbol of the Institute like many of my fellow classmates. I could not thrust my hand up in the air with others and make the Captain Planet reference I had been holding back for so long in anticipation of that day. And I couldn't go home and spend an inordinate amount of time in front of freshmen making little adjustments to and admirations of my new hunk of gold.

That isn't to say that I didn't enjoy myself at the event. For many of us it was a much needed break from work in a hectic time of year. It was also a chance, for me at least, to genuinely catch up with friends I hadn't seen in a long time, rather than simply waving hello in the Infinite. However, there was plenty to be unhappy about as well, including a non-alcoholic cash bar — ridiculous, considering that the food was free and the drinks ludicrously overpriced — and a general sense of disorder in lineups and gatherings. But what struck me most was the lack of community.

The ring delivery, like the premiere before it, was promoted as a class bonding activity. This, of course, assumes we had any real cohesion to start with. Because the event was mostly a collection of lines — for Omnimax movie tickets, rings, food and, inevitably, complaints — there was little opportunity for any meaningful large-scale physical gathering. People ended up sticking

in pairs or small groups, and took those groups from line to line like rats in a maze.

Ironically, the biggest bonding activity throughout this has been attacking the ring committee. Many have taken the opportunity to vent their frustrations over the debacle to the nearest possible scapegoats. However, it's not like this is the first major upset that the sophomore student body has seen to this point over the ring. The now-past incident over the gender of the ring mascots gave plenty of room to cloud the issue with political haze. Accusations of misogyny, favoritism and (I use the term loosely) corruption flew about freely. However, the incident did motivate a good deal of discussion among the student body.

Does the Ring Committee deserve to be tarred and feathered for the problems we've seen so far? I have no real right to complain, since like much of the class I didn't volunteer my time or sanity to the committee. It wasn't their fault that my ring didn't make it to the Science Museum — some of us wondered if Jostens would be stupid enough to label the delivery with the words "gold," "rings," or even "Jostens," any of which would encourage an act of theft. However, it is fair to suggest that

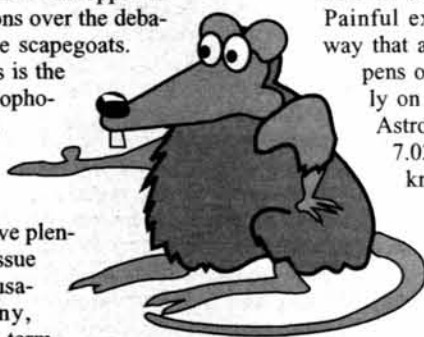
one of the troubles with taking responsibility for the design, premiere and delivery of the class ring is, simply, the responsibility. While I applaud the efforts of the entire RingComm in handling both the routine and unexpected events of the entire ordeal — on a volunteer basis, no less — I cannot honestly blame any-

one for being angry and seeing them as a legitimate target for mudslinging if they volunteered for the job.

These social problems still come from a lack of a sense of community. Painful experiences are the main way that any kind of bonding happens on campus, and it's usually on a smaller scale — Aero-Astro's Unified and Biology's 7.02 Intro Lab are both well known for it. But the lack of group social activity doesn't help either. While the ring delivery had advertised dancing, it wasn't able to happen in the atmosphere of the museum.

Monte Carlo Nights, the first 2004 class formal, was postponed and deformed. The lack of a great event like the Odyssey Ball this year only hurts community spirit, meaning that the only class-wide bonding opportunities are these overblown spats about milder issues that can usually be resolved simply by waiting, resulting in a general increase in tension all around. One can only assume that this is what has led to people's lack of pride in our class as a whole, and though I can only theorize, in others above and below as well.

On Tuesday the class was notified that the rings had been located and were being rush delivered, hopefully making appearances on fingers everywhere by Friday. If I'd thought about it in advance, I might have had my rat sized so that it could fit, as Akshay Patil suggests, upon my middle finger. ["A Boy and His Rat," May 7] It would certainly make an appropriate statement, since anger seems to be the best bonding force our student body has at this time. But I've seen enough bad blood for one year. The sun is shining, the semester is almost over, and here at the halfway point in my undergraduate career, I'd rather bond with my classmates by playing a nice friendly game of softball than by arguing balls and strikes.



Are the Ivies at Risk?

Basil Enwegbara

There is today a growing debate about the future of education — that is, whether distance education will replace current residential learning. The debate has become so intense that it is drawing the attention of presidents of some of the leading centers of learning like MIT. Recently, President Vest made his own thoughts public. In one of the classes I participated in recently, distance education was also one of the dominating arguments. And this was driven by my nonresidential classmates, participating from NASA and Ford Motor Company. The argument could not even be avoided in the MIT class of Rebecca Henderson, a leading expert in technology strategy. As the debate becomes more and more intense, so does the confusion.

Although there is no doubt that given the growing impact of digital machines, the Internet, and the World Wide Web as the new instructional revolution, distance education has come to stay. At least it could serve the growing needs of those who cannot afford the time or the means to reach the geographic location of their university of choice. A careful examination of the realities on the ground, however, will convince us why distance education still has a long way to go, and could not be seen even in the near future as a serious threat to the present residential education system.

First, without residence, the student is constrained by low access to the magic of the classroom. Here the classroom learning maximizes the student's learning capability as he or she looks up to fellow students for competition and comparison.

Second, without residential education, students tend to lack access to the vital education of on-campus extracurricular activities, including physical education and social and cultural interaction. It is certain that most students with interests in public life tend to build and reinforce such a life career and leadership

as they become transformed by the cleansing forces on campus. Participating in numerous campus student associations is one of the media that help students discover their talents. This way, the school plays the role of a family, a community, where everyone has immense opportunities to interact freely, and openly question the things they believe are the ills of the society, as well as support issues that appeal to a better society. It is mostly

If it is true that education is a civilizing force that could be used to build and improve togetherness and cultural empowerment, then residential education is the most reinforcing and invigorating part of civilization.

through residential education that students can easily come together to champion social change.

Third, if it is true that education is a civilizing force that could be used to build and improve togetherness and cultural empowerment, then residential education is the most reinforcing and invigorating part of civilization. Group interaction in a classroom environment — discussions, problem solving, and brainstorming, for example — occur more in face-to-face mode. This produces a positive outcome resulting from the intellectual synergy, as a student shares new ideas and experiences from other students in class, in the library, in the common room, in the association meeting, etc. in a nonlinear way. Of course, this goes a long way to expose stu-

dents to other cultures and social realities to enhance their learning experience. In fact, when students each bring their analytical perspectives into the classroom and share their multiple perspectives in a group interactive session, the group environment can trigger new patterns of understanding built on the foundation of shared emotions and individual perspective.

Also, as the educators, faculty and administrators frequently interact with the student, not only do they easily become mentors to the student but also they tend to use their privileged positions to continuously help the student redefine his or her identity. Students also go through new processes of identity negotiation with their professors, administrators, and peers. This process of negotiating identity can never be fully controlled by forces outside residential education. Within these interpersonal spaces where identities are constantly negotiated, residential students, faculty and administrators tend to generate power that challenges structures of social and moral inequity. Distance education, therefore, not only tends to weaken these forces of identity negotiation, but it also tends to generate all forms of distractions from friends, family members, and community groups with great social and economic intervening forces.

Finally, for those learning processes that are research intensive, the availability of libraries and laboratories must not be traded for virtual learning that tends to constrain easy access to these vital educational facilities. Take the student that must continuously monitor his or her laboratory experimentation for example. In order to maximize the benefits of such activities, such a student must also be a residential student. Or if not, how could the student conduct his or her multiple library-based research work? Students involved in multilayered research activities are better educated when they are close to a multilayered library and laboratories, and can continuously access these specialized educational tools to guarantee success.

Divesting From Peace

Guest Column

Rami Sabet Mangoubi

The petition demanding that Harvard and MIT divest from Israel as well as companies involved with Israel until it fulfills four particular demands is unjust and hurts peace efforts.

The first demand requires Israel to be in compliance with United Nations Resolution 242 that notes the inadmissibility of the acquisition of territory by war, and which calls for withdrawal of Israeli armed forces from occupied territories.

Resolution 242 is intentionally worded so as to allow for various interpretations as to the extent of required Israeli withdrawal. Israel agreed at Taba to extensive withdrawal. Regrettably, Yasser Arafat rejected the Taba proposals, without presenting any of his own. He opted instead for violence.

Further, not even total withdrawal satisfies Arab governments. Israel withdrew from Lebanon totally, as the United Nations certified. Following the withdrawal, Syria, much to the chagrin of many Lebanese, enabled Hizbullah to set up a large network of military bases along the border, and encouraged attacks on Israel from Lebanon. In one incident, terrorists crossed the U.N.-certified borders, targeted a passenger bus, and murdered six Israeli civilians. Hizbullah is publicly committed to the destruction of the Jewish state. Yet the petition does not demand that MIT divest from Lebanon and Syria, or from companies doing business with them, until attacks from Lebanon stop, now that total withdrawal is complete.

The second demand requires that Israel be "in compliance with the United Nations Committee Against Torture 2001 Report."

This item singles out Israel. The abhorrent practice of torture and mistreatment of detainees is pervasive. The U.S. has been accused of torturing one of its citizens, John Walker, before he was brought home from Afghanistan. Egypt uses torture on a routine basis against the regime's opponents, before executing them. Cutting off the hands of alleged thieves and flogging prisoners are acts of torture that are legal in Saudi Arabia, and carried out in public squares. Yet the petition does not demand that MIT divest from Egypt and Saudi Arabia and from companies doing business with them, such as the oil giants.

The third demand states that "Israel ceases building new settlements, and vacates existing settlements, in the Occupied Territories."

Former Prime Minister Ehud Barak wanted

to sign a final agreement suggested by Clinton and supported by Mubarak at Taba. The proposal deals with the settlement issue, and Arafat's advisors wanted their leader to sign as well. Arafat refused. Mubarak stated in a TV interview that had Clinton not left office, peace talks to Taba would be here. This item on the petition encourages rejecters and hurts the chances of recovering that peace.

The fourth and final item on the petition requires Israel to "acknowledge in principle the applicability of United Nations Resolution 194 with respect to the rights of refugees, and accepts that refugees should either be allowed to return to their former lands or else be compensated for their losses."

Israel is willing to offer compensation to the refugees, and former President Clinton offered tens of billions of dollars for Arab refugees. Arafat refused. He wanted enough refugees to settle in Israel so as to cause a demographic imbalance that would negate the U.N. resolution declaring Israel a Jewish state.

Regrettably, this petition item is inherently prejudiced; Resolution 194 refers only to Arab refugees from Israel without even acknowledging the existence of Jewish refugees from Arab countries, let alone their suffering and right to compensation for belongings. Throughout the ages Jews in Arab countries and Iran have suffered massacres (e.g., Granada, 1066, Demnat, 1875, Cairo, 1940s), expulsions (e.g., Kairawan, 1016), destruction of synagogues (e.g., Baghdad, 14th century, Tripolitania, 1897), and forced conversion (e.g., Mashad, 19th century). According to the Columbia History of the World, theologians and demagogues in the Arab world "produced an anti-Jewish literature that was informed by a hatred of Jews and Judaism that in no way falls short of its Christian counterpart." In addition, Arab intellectuals embraced the anti-Semitism of 19th century Europe. During the 20th century, Nazi propaganda spread, and massacres took place. For instance, in June of 1941, during the pro-Nazi rule of Rashid Ali in Iraq, 175 Jews were killed and about 900 houses destroyed. After the U.N. allowed Jews to have a state, hostility intensified further. About 900,000 Jews living under Arab rule fled, mostly to Israel. Most lost their property. Those who stayed behind continued to suffer. The Egyptian government, the country's main employer, stopped hiring Jews in the 1950s. Jewish students in Arab public schools had to recite anti-Jewish poems in front of their teachers and classmates, and were beaten on a regular basis. When Saddam Hussein came to power in the late 1960s, he

celebrated by hanging about ten Jews, along with a few opponents, in Baghdad's main square. In the late sixties, Egyptian authorities incarcerated adult Jewish males in the notorious Camps of Abu Zaabal, and later Tura. For several months, their families did not know where they were. They experienced torture, and some of the younger ones were sexually molested. For several years, the authorities demanded conversion from Judaism in exchange for release from Tura. Only one person chose that option. Later, Israel and the U.S. were able to free them by bribing Egypt's former President Nasser. Today, Arab states are almost totally clean of Jews. The media, often falsely accused of being under heavy Jewish influence, almost never showed interest. The U.N. never investigated. The U.N. spends huge sums supporting Arab refugees incarcerated by Arab governments in refugee camps, and not one penny went to Jewish refugees.

Jews originating from Arab countries comprise almost half of Israel's population. With such history, how can any prime minister accede to this morally selective demand in the petition while looking straight at the eyes of these citizens? Should the petition not ask Harvard and MIT to divest from Arab countries and companies doing business with them until their governments compensate Jews who fled their countries? Instead, the petitioners target the country that gave them refuge.

That four Israelis or so are supportive of the petition makes it no less unjust and one-sided. When a group is embattled and incessantly attacked, the image can feed back to some of its members. For example, during the 1980s some high-profile women worked hard to defeat the Equal Rights Amendment (ERA). Does that imply those opponents of the ERA support women's rights? Other examples of the same phenomenon exist.

Divestment from Israel is unjust since Israel accepted an offer at Taba that Arafat's advisors wanted him to sign too, but Arafat refused. The petition motivates Arab hardliners to become more unreasonably demanding. The petition does not even ask MIT to divest from companies doing business with Saudi Arabia until it stops rewarding with thousands of dollars mothers and fathers who send their children on suicide missions; nor does it call for divestment from Egypt and Saudi Arabia, countries whose intolerant educational system produces Sept. 11 terrorists.

Rami Mangoubi '78 was an undergraduate in mechanical engineering and a graduate student in aeronautics and astronautics.

Propaganda At The Teach-In

Guest Column
Joshua Furman

To all the members of the MIT and Harvard communities calling for divestment from Israel:

While it is refreshing to see the beginning of a dialogue between people with opposing views on the Arab-Israeli conflict, it often times seems that true discussion is sorely lacking. I am referring particularly to the May 6 teach-in at MIT. The Web site <www.harvardmitdivest.org> states that you "attempt to bring into the open a critical discussion of Israeli human rights abuses against Palestinians." How can you claim that the teach-in was an open critical discussion while only presenting a single monolithic viewpoint? Any scholarly or academic endeavor starts with an engagement with all the facts, objectively evaluating them until a conclusion is reached. The teach-in however presented a single side of the coin; hardly an open discussion and hardly worthy of the academic reputation that MIT, Harvard and their faculty bring to such a discussion. I know, based on those reputations, that one-sided research is not acceptable in the classroom or the lab, why then is it acceptable here? Would you publish a paper that did not present or at least acknowledge the opposing view and that refused to engage the opposition objectively? What is the worth of such a publication? Certainly it cannot be claimed to be scholarly. Do the signatories wish to preclude any discussion on the issues and rather indoctrinate the masses in their singular point of view? If so, fine, but why not state that explicitly rather than disingenuously claiming that the teach-in is an open forum? That attitude would seem, however, to run contrary to the open, liberal, academic atmosphere of the universities involved and directly contradicts the claim of an open critical discussion.

How can you claim that the teach-in was an open critical discussion while only presenting a single monolithic viewpoint? The teach-in presented a single side of the coin; hardly an open discussion and hardly worthy of the academic reputation that MIT, Harvard and their faculty bring to such a discussion.

If indeed a true open discussion is the desired goal (which I strongly hope that it is) why is Israel the only focus of your anger? While I personally strongly disagree with many of the claims made in the petition, even if we were to assume their veracity, only a fraction of the story is being presented.

Why is there no call for action condemning the Palestinian Authority for stationing military assets in a civilian area (Jenin), an action clearly prohibited by the Geneva Convention?

Why have you not called for a U.N. investigation into Yasser Arafat's link to the recent pool hall massacre in Rishon LeZion, the Passover massacre in Netanya and other terrorist atrocities? Whether or not Arafat is involved, don't you think there is compelling enough evidence to warrant an investigation?

Why have you not expressed outrage at the extrajudicial executions of supposed "collaborators" by Arafat's regime?

Why do we not hear professors from Harvard and MIT calling for a boycott of Egypt for its continual publication of Nazi-like anti-Semitic drivel in its state-run press; or a for a boycott of Saudi Arabia for sponsoring suicide bombers by rewarding the murderers' families?

None of these previous points can be justified by claiming that the Palestinians are being oppressed or occupied by the Israelis and therefore are not dependent on a specific attitude toward Israel as a perpetrator of war crimes and human rights violations. Meaning even if everything you claim about Israel is true it is no excuse for silence on the above issues.

Thank you for opening the door to a true dialogue about these issues, and I look forward to your responses.

Joshua Furman is a graduate student in mechanical engineering.

THE ARTS

ON THE SCREEN

— BY THE TECH ARTS STAFF —

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

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

Blade II ★★★

Although the plot is even less original than the first, *Blade II* still delivers with its blood-drenched, dark vision of the world hidden beneath our own. If you want a serious movie with a deep story, move on, but if you want hard action and horrific visuals, see *Blade II*.

— Dan Robey

Death to Smoochy ★★½

Warner Brothers markets the film's mascot as an adorable plush rhinoceros in a body bag, a symbol evocative of the guilty laughs and twisted humor that characterize the movie. *Smoochy* viewers will raise eyebrows or do double-takes at twisted concepts like the involvement of the Irish mob, Edward Norton dressed as a giant rhinoceros, and Danny DeVito, in this hilarious satire of the children's television industry. — Sandra M. Chung

Hollywood Ending ★★½

Woody Allen's *Hollywood Ending* has an autobiographical feel. Woody Allen stars as Val Waxman, a film director who was once big in the 1970s and 1980s but who now directs TV commercials. Allen is considered a genius for his early films, but with today's studios wanting to make huge blockbuster hits like *Spiderman*, both he and his protagonist Val have become

become has-beens. — Efrén Gutierrez

Human Nature ★★

This film's tongue-in-cheek title refers to a twisted mockery of modern science and modern humanity à la *Brave New World*. An etiquette-obsessed behaviorist (Tim Robbins) and a hairy naturalist (Patricia Arquette) differ over experimenting on a human raised in complete ignorance of civilization. — Sandra M. Chung

Monsoon Wedding ★★★

The arranged marriage of a young Indian couple in Delhi brings together a whole cast of delightful characters who sing, laugh and cry as they are reawakened and strengthened by the power of love to bring people together. *Monsoon Wedding* is a vibrant, light-hearted romantic comedy with a talented, all-star Indian cast and the intimate creative touch of Mira Nair. — Jonathan Choi

Panic Room ★★½

While thrilling and fun for a while, *Panic Room* falls short of its ultimate potential and is overall forgettable. Though the last part of the burglary saga is spectacular, the ending leaves much to be desired. Fincher decides to end the story in no particular fashion, only notifying the audience that it's time to go home. — Brian Loux

Resident Evil ★½

While its violence is barely excessive enough to make you cringe, its plot is not dynamic enough to make you truly care. If you're looking a cheap thrill ride, *Resident Evil* can adequately conjure your adrenaline. If not, then avoid this one like the T-virus. — Jumaane Jeffries



—JOHN BRAMLEY

The 2001 X Games are featured in Touchstone Pictures' and ESPN's *Ultimate X*.

Y Tu Mamá También ★★★

Two doped-up and horny friends, convince a scorned cousin-in-law to accompany them on a road trip to an imaginary beach on Mexico's Pacific coast. Along the way the three friends learn to live, laugh and love. What *Y Tu Mamá* lacks in setup and loses in slight excess is more than compensated for by an unusual sobriety rarely found in American teen movies. — Jed Horne

The Scorpion King ★★★

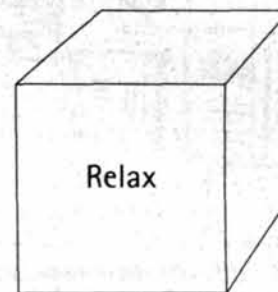
Even though *The Scorpion King* isn't flawless, and even if it doesn't make sense at times, it makes up for it in coolness. If you're not prepared to overlook the movie's flaws, don't see the movie. If you are, however, prepare to put your brain in neutral and be entertained, because *The Rock* delivers everything you would want in a good action movie. — Brian Loux



Stress

You can't just breathe it away.

The pressures of everyday MIT affect us all, but when stress gets overwhelming it's smart to reach out. MIT Medical is here to listen and to show you tips for managing stress. Because sometimes it takes more than just a deep breath.



Make an appointment. It's free.
Prompt appointments including evenings.
24 hour urgent care including
weekday 2-4 pm walk-in hours.

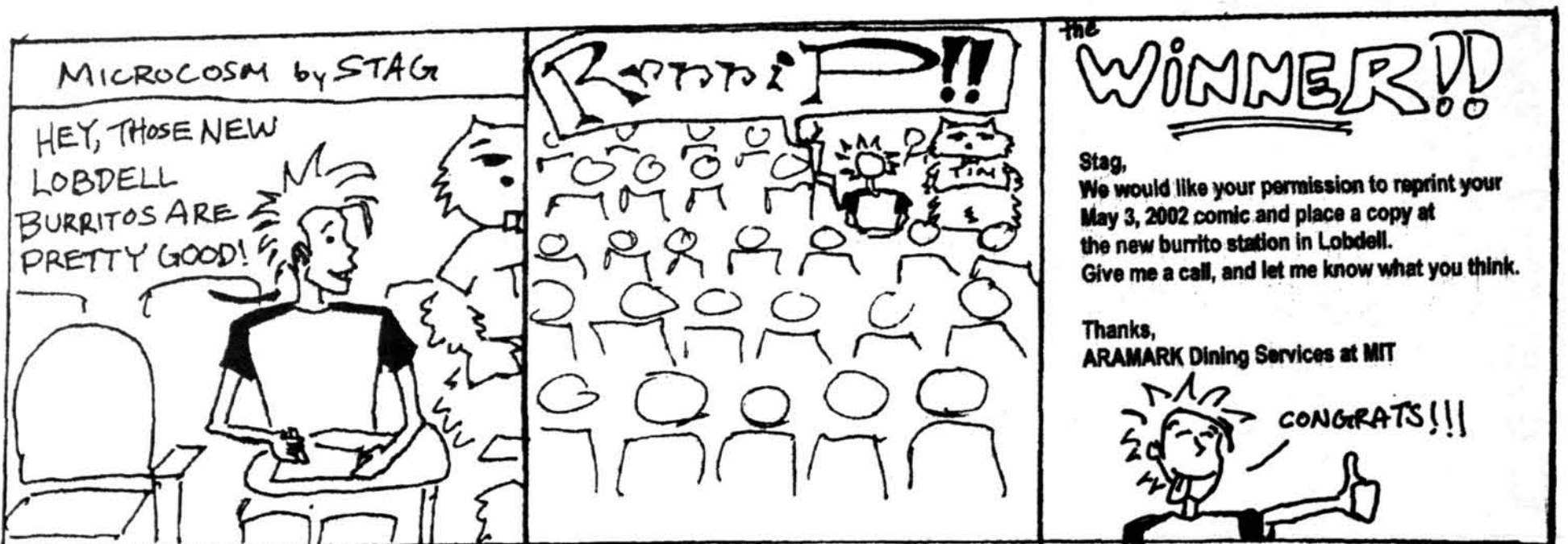
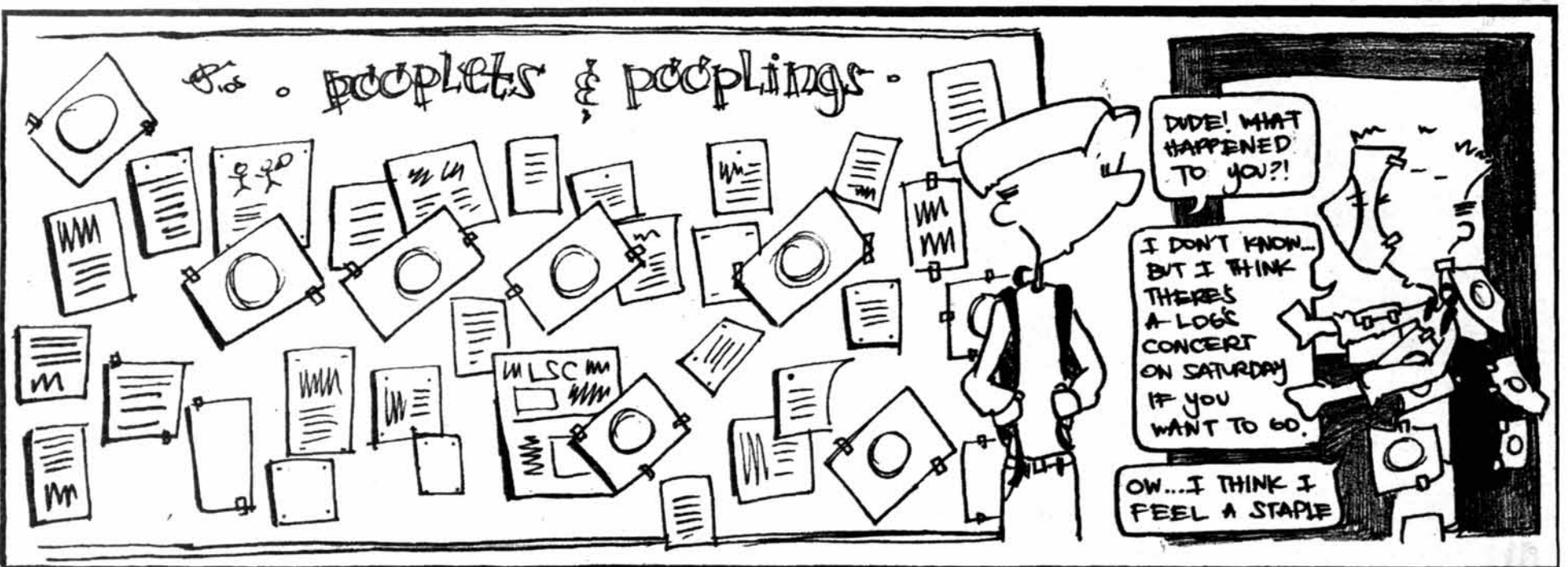
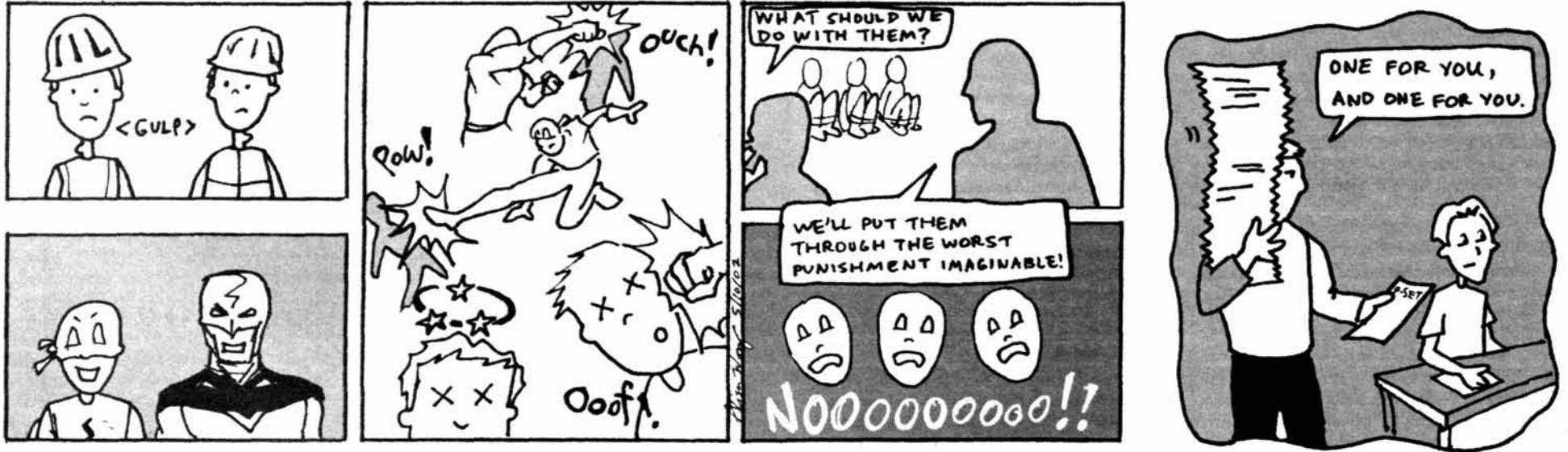
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It's smart to reach out.



INTEGRAL FORCE

AHWONG



REST BREAK

THE FINAL EXAM
WILL BE ONLY
ONE QUESTION...

... 40% OF YOUR
FINAL GRADE...

... THREE HOURS
LONG...

... TRUE OR FALSE...

THIS IS NOT GOOD.

PSST. HEY, ALEX.
IS IT TOO LATE
TO DROP THE
CLASS?

Philip Brucato # 12

FoxTrotby Bill Amend

DUUUDE!
YOU'RE GETTING
AN E-MAIL!

DUUUDE!
IT'S FROM
STEVE1705!

DUUUDE! HE WANTS TO
KNOW IF THE HISTORY
TEST COVERS ALL OF
CHAPTER 20!

MOM, THAT
RAM YOU PUT IN
WASN'T FROM
DELL BY CHANCE,
WAS IT?

DUUUDE!
YOU'RE
GETTING
ANOTHER
E-MAIL!

WANT A
PRETZEL?

I SHOULDN'T.
I'M TRYING
TO LOSE
WEIGHT.

I'M ONLY ALLOWING MYSELF
TO EAT STEAK AND LOADED
BAKED POTATOES THIS WEEK.

HOW DO YOU
LOSE WEIGHT
DOING THAT??

WHEN WAS
THE LAST
TIME YOU
SAW FOOD
LIKE THAT
IN THIS
HOUSE?

AH, GOOD
POINT.

KIDS! DINNER'S
READY!

LET ME
KNOW HOW
THE GRAIN
CHOPS WERE.

MR. FOX, ABOUT
YOUR HOMEWORK...

I ASSIGNED QUESTIONS
1 THROUGH 20, YET
YOU ONLY DID QUESTIONS
1, 5, 10, 15 AND 20.

I FIGURED YOU COULD
PLOT MY RESULTS, FIND
THE BEST-FITTING CURVE,
AND EXTRAPOLATE HOW
I'D DO ON THE OTHERS.

I CAN'T DECIDE IF
YOU'RE STUPID OR
BRILLIANT, PETER.

YOU COULD
SPLIT
THE DIFF-
ERENCE AND
GIVE ME A "B".

Dilbert®by Scott Adams

I WOULD LIKE TO
IMPROVE MY
INTERPERSONAL
SKILLS.

TAKE THIS TRAIN-
ING CD BACK TO
YOUR CUBE AND
GO WILD.

HUMANS ARE WEAK.
COMPUTERS ARE
STRONG. COME,
JOIN OUR SIDE.

MY TRAINING CD
HAS GONE BAD. IT
IS BRAINWASHING
ME TO BECOME A
CYBORG.

DON'T WORRY. SMART
PEOPLE SUCH AS YOU
CAN'T BE BRAIN-
WASHED TO DO
STUPID THINGS.

GUESS WHO DOESN'T
KNOW THE FIRST
THING ABOUT
BRAINWASHING.

MY TRAINING CD
WENT BAD AND
BRAINWASHED ME
TO BECOME A
CYBORG.

YOUR INSURANCE
DOESN'T COVER COS-
METIC SURGERY BUT
YOU CAN GAME THE
SYSTEM BY JUMPING
OFF THE ROOF.

I HEAR THAT THE
FOLLOW-UP VISITS
DON'T GET ANY
EASIER.

Crossword Puzzle

Solution, page 10

ACROSS

1 Kind of doctor?
5 Hankering
9 Sharp blow
14 Be down with
15 5,280 feet
16 Capital on the Red River
17 Katmandu's place
18 Anjou or Bartlett
19 Out of bed
20 Start of Henry Ford quote
23 Tied down with ropes
24 Indication
25 Actor Torn
27 Chorus girl
32 Part 2 of quote
37 Shadings
38 Suspicious of
39 Tumbler
42 Gumbo veggie
43 Davis of "Thelma & Louise"

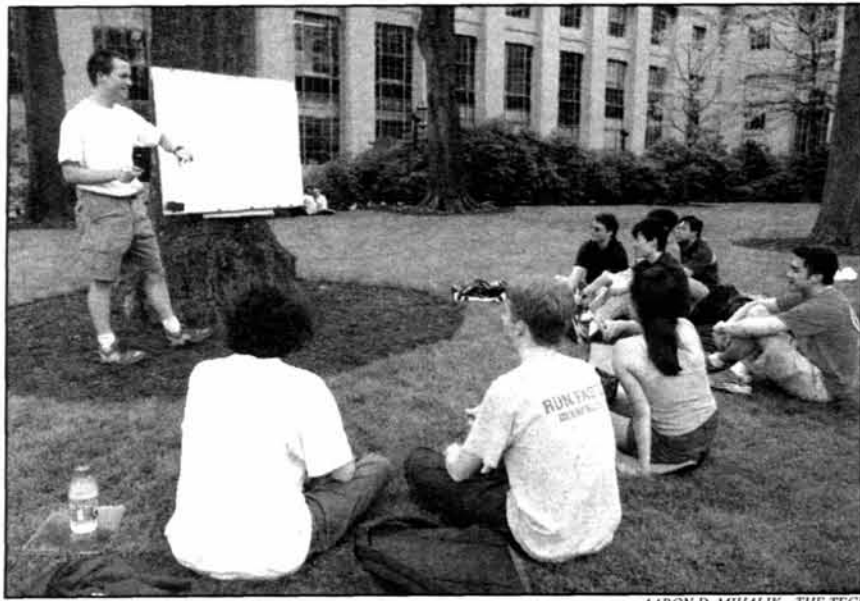
45 Part 3 of quote
47 States strongly
50 More E than S
51 Ill-smelling
53 Kiribati's capital
58 End of quote
63 Projecting bay window
64 Ethnologist Heyerdahl
65 Edgar Allan and others
66 Presbyterian parsonage
67 Wire spiral
68 Art Deco designer
69 Fences the loot, e.g.
70 Sacred
71 Astronauts' grp.

DOWN

1 Shoulder warmer
2 Turkish official
3 Climbing plants
4 Below, in poems
5 Hindering
6 Wedding-cake layer
7 Earthy materials
8 Valiant
9 Unspecified object
10 Jumble
11 Opposing position
12 To __ a phrase
13 Scottish church
21 Sister and wife of Zeus
22 Inarticulate grunt
26 __ Pot of Cambodia
28 Castling piece
29 Jet-black
30 Roman tyrant
31 Jacob's brother
32 Hindu discipline
33 Singles

34 Shoshones
35 Dunce-cap shape
36 Snitch
40 Haggard heroine
41 Sib to sib, on the distaff side
44 Showy socks
46 Proximate
48 The Chinese "way"
49 Dirty spot
52 Brutish boor
54 Mature
55 Athenian marketplace
56 Hones
57 Perplexed
58 Robin Cook novel
59 United __ Emirates
60 Five after four
61 Take a sample
62 Irritate

1	2	3	4	5	6	7	8	9	10	11	12	13		
14				15				16						
17				18				19						
20				21				22						
23						24								
				25		26		27		28	29	30	31	
32	33	34	35				36			37				
38				39				40	41		42			
43				44			45			46				
47				48	49		50							
				51			52		53		54	55	56	57
58	59	60	61				62							
63							64				65			
66							67				68			
69							70				71			



AARON D. MIHALIK—THE TECH

In celebration of the pleasant weather, Structure and Interpretation of Computer Programs (6.001) holds a recitation in Killian Court Wednesday.



DANIEL BERSAK—THE TECH

Gautam K. Jayaraman '02 and Heather MacDonald WC '04 sing Disney's "A Whole New World" to Abu the Monkey during Friday night's Toons concert. The Toons performed with the Chorallaries in 54-100.

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No walk-ins please.

Solution to Crossword

from page 9

S	P	I	N	I	T	C	H	W	H	A	C	K		
H	A	V	E	M	I	L	E	H	A	N	O	I		
A	S	I	A	P	E	A	R	A	S	T	I	R		
W	H	E	T	H	E	R	Y	O	U	T	H	I	N	K
L	A	S	H	E	D	S	I	G	N					
				R	I	P		C	H	O	R	I	N	E
Y	O	U	C	A	N	O	R	T	O	N	E	S		
O	N	T	O	G	L	A	S	S	O	K	R	A		
G	E	E	N	A		T	H	I	N	K	Y	O		
A	S	S	E	R	T	S		E	S	E				
				G	A	M	Y		T	A	R	A	W	A
C	A	N	T	Y	O	U	A	R	E	R	I	G	H	T
O	R	I	E	L		T	H	O	R		P	O	E	S
M	A	N	S	E		C	O	I	L		E	R	T	E
A	B	E	T	S		H	O	L	Y		N	A	S	A

Ex-Senior Hauser, serious doc filmmaker seeks top hackers to allow the filming of a MAJOR PRANK & subsequent anonymous interviews for TV show. aerotaru@yahoo.com or (310) 666 7645

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Awards Convocation

MONDAY, MAY 13, 2002

4PM

HUNTINGTON HALL 10-250

RECEPTION TO FOLLOW

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Register your team by **June 14** at
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or stop by the MIT Information Center, Room 7-121.

Questions?
Please email
<johnson-games@mit.edu>

**Saturday,
September 28, 2002
2:00-5:30 pm
Johnson Athletics Center**

Barbecue and Awards Ceremony to Follow

During the Johnson Games, the "Mind and Hand" of MIT will be expanded to "Mind, Hands, Feet, Lungs and Funny Bones." Gather your wits, energy and athletic abilities, form a team, and join fellow students, staff and faculty for an afternoon of fun, fellowship and food.

**Chuck Vest
President, MIT**



Events Calendar

Visit and add events to Events Calendar online at <http://events.mit.edu>

Friday, May 10

12:00 p.m. - 1:00 p.m. – MIT Events Calendar: Learn to Post Your Events Online. See how easy it is to post your MIT event online using the wonderful MIT Events Calendar. Room: N42 Demo. Sponsor: Information Systems.

1:30 p.m. - 6:45 p.m. – Media in Transition 2: globalization and convergence. International conference at MIT runs three days, May 10-12. Conference features over 100 scholars and artists covering a wide range of issues related to globalization and convergence of media. Film, TV, journalism, the Internet and more are covered from a variety of international perspectives. Free - register at <http://cms.mit.edu/conf/mit2>. Room: All conference events take place in E51 except for tele-journeys exhibit in List Visual Arts Center. Sponsor: Office of the Arts, Communications Forum, Comparative Media Studies. This conference is sponsored by the MIT Program in Comparative Media Studies in cooperation with List Visual Arts Center and support from the Office of the Arts and MIT Communications Forum.

2:00 p.m. - 3:00 p.m. – Mechanical Engineering Seminar. "MEMS System Research: Water-Powered Bio Assay, Micro Wankel Engines and Disk Drive Actuators." Free. Room: 3-133. Sponsor: ME Seminar Series.

3:00 p.m. - 4:30 p.m. – Nanocomposites. The Warren K. Lewis Lecture in Chemical Engineering - Part of the Chemical Engineering Departments 2002 Spring Seminar Series. Free. Room: 66-110. Sponsor: Chemical Engineering.

4:00 p.m. – MIT Chamber Music Society Student Concert. The Chamber Music Society, coordinated by Professor Marcus Thompson, is comprised of students selected by audition to study and perform chamber music literature. Free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

4:00 p.m. - 5:00 p.m. – Insight or Invention? The need for collaboration in the development of high technology. Inaugural Charles L. Miller Annual Lecture. Free. Room: 6-120. Sponsor: Engineering Systems Division, Civil and Environmental Engineering. Cambridge-MIT Institute.

4:00 p.m. - 5:00 p.m. – PSFC Seminar. Edge Turbulence Imaging in Alcator C-Mod and NSTX. Free. Room: NW17-218. Sponsor: Plasma Science and Fusion Center.

6:00 p.m. - 7:30 p.m. – Integrating Faith and Work. Prof. Ron Ballinger (Nuclear Engineering & Materials Science) will speak about the relationship between our faith and the work that we do. We will also have a worship time and go out to dinner afterwards. Free. Room: Student Center, Twenty Chimneys. Sponsor: Graduate Christian Fellowship.

6:30 p.m. - 9:30 p.m. – Boston Celtics Playoff Party. Whether you've never seen a game before or are a huge fan, come watch the playoff on our big TV. Enjoy FREE snacks and desserts. Meet new people from MIT and Wellesley. Free. Room: Student Center, First Floor. Sponsor: ClubZ.

7:00 p.m. – MIT Anime Club Weekly Screening. "Porco Rosso" and TBA. Most screenings are subtitled in English. The MIT Anime Club is a non-profit MIT student organization dedicated to increasing the awareness of Japanese animation (anime) on campus. Free. Room: Rm 6-120. Sponsor: MIT Anime Club.

7:00 p.m. – "Mediacracy" in the Americas: The News Media & the Legitimacy of Governments. How was the 2000 US presidential election decided in Florida? Danny Schechter (who has worked at CNN, ABC, WBCN, WGBH, and now runs mediachannel.org) will show his new documentary film "Counting on Democracy," about the role played by the news media on Election Day and in the recounts that followed. He will also discuss the peculiar behavior of US and Venezuelan news media during the recent coup in Caracas. Free. Room: MIT 3-133. Sponsor: MIT Western Hemisphere Project.

8:00 p.m. – The Dining Room. MIT Community Players production of play by MIT Professor Emeritus A.R. Gurney. Directed by Megan Bell. \$10, \$8 other students, MIT faculty/staff/senior citizens, \$6 MIT/Wellesley students. Room: Kresge Little Theater. Sponsor: MIT Community Players.

8:00 p.m. – Resonance of MIT Spring Concert. MIT's newest secular, coed a cappella group with guest group: The Dartmouth Subtleties. Free. Room: Rm 54-100. Sponsor: Resonance of MIT A Capella Group.

8:00 p.m. – Playwrights-in-Performance. 3 original student-written plays directed by Associate Provost for the Arts Alan Brody. "A Day in the Life of Brian" by senior Dan Tortorice (economics), "M.L." by senior Carolyn Chen (architecture), "Homecoming" by David Ngo. Free. Room: Kresge Rehearsal Rm B. Sponsor: Theater Arts Section.

8:00 p.m. – "The Musical World of Joe Lovano." (MIT American Music Series-March 2-May 10). MIT Festival Jazz Ensemble, Frederick Harris, Music Director with Special guest, Blue Note Recording Artist, Joe Lovano. A world-renowned jazz saxophonist and recording artist, Joe Lovano is one of the most versatile jazz musicians working today. Mr. Lovano will be featured alone, in a duo playing for the first time with special guest pianist Ran Blake (chair, Contemporary Improvisation; Associate Chair of Improvisation, New England Conservatory of Music), in a trio, sax sextet (world premiere piece by MIT Lecturer Mark Harvey), in a nonet, and finally with the entire MIT Festival Jazz Ensemble. Music to be performed includes Lovano's own compositions such as "Flights of Fancy" and "Sanctuary Park", new nonet arrangements of Tadd Dameron's music by Willie Smith, "Sue's Changes" by Charles Mingus, and others. Special Guest: pianist Ran Blake 7:15pm-pre-concert talk by Lovano. \$5 at the door. Room: Kresge Auditorium. Sponsor: Music and Theater Arts Section.

Saturday, May 11

9:00 a.m. - 5:45 p.m. – Media in Transition 2: globalization and convergence. International conference at MIT runs three days, May 10-12. Conference features over 100 scholars and artists covering a wide range of issues related to globalization and convergence of media. Film, TV, journalism, the Internet and more are covered from a variety of international perspectives. Free - register at conference Web site at <http://cms.mit.edu/conf/mit2>. Room: Wong Auditorium, E51. Sponsor: Communications Forum, Comparative Media Studies. This conference is sponsored by the MIT Program in Comparative Media Studies in cooperation with List Visual Arts Center and support from the Office of the Arts and MIT Communications Forum.

11:00 a.m. - 12:30 p.m. – Tele-journeys panel discussion. Panel with participating artists. Presented by the List Visual Arts Center as part of its tele-journeys exhibition (see May 2-July 7) in conjunction with "Media-in-Transition: Globalization and Convergence" organized by MIT's Comparative Media Studies Program. Free. Room: Wong Auditorium (MIT Tang Center Bldg E51). Sponsor: List Visual Arts Center.

5:30 p.m. - 7:30 p.m. – Opening Reception-Tele-Journeys: Artists from the Rijksakademie van Beeldende Kunsten. Organized by MIT Professor and internationally recognized artist Joan Jonas and List Visual Arts Center Director Jane Farver. Artists include: Carlos Amoraes, Mark Bain, Yael Bartana, Michael Blum, Runa Islam, Jill Magid, Sebastian Diaz Morales, Fiona Tan and others. Jonas has followed the careers of these artists since they trained Rijksakademie Van Beeldende Kunsten in Amsterdam, where she also teaches. The Rijksakademie, a global think tank and laboratory for the culture of the new millennium, has a long tradition as a global art program for the world's most promising professional artists. There, they join in discussion, generating new visions for the future of world culture, while bringing with them the specificities of their countries of origin. Jonas is interested in these artists who are from different parts of the world, because, she says, their work, "although made in a western European context, addresses issues of identity and gender in an art world that is now global at the same time that it is local. So I find it very interesting that young artists working with different languages simultaneously are using information that has sifted down through past 35 years involving performance art, conceptual art, and all forms of media." Exhibit on view May 2-June 30. Free. Room: List Visual Arts Center (E15). Sponsor: List Visual Arts Center.

8:00 p.m. - 11:00 p.m. – Patrol. Shoot your friends! Travel to strange, new classrooms; meet interesting, unusual people; and kill them. A team game of shoot-em-up; guns provided. Free. Room: Building 36, First Floor. Sponsor: Assassins' Guild, MIT.

Events Calendar 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 Events Calendar web page.

8:00 p.m. – Playwrights-in-Performance. 3 original student-written plays directed by Associate Provost for the Arts Alan Brody. "A Day in the Life of Brian" by senior Dan Tortorice (economics), "M.L." by senior Carolyn Chen (architecture), "Homecoming" by David Ngo. Free. Room: Kresge Rehearsal Rm B. Sponsor: Theater Arts Section.

8:00 p.m. – Logarithms Spring Concert. MIT's oldest and only all-male a capella ensemble. With guest groups: Tufts Jackson Jills and Dartmouth Decibels. Free. Room: Rm 10-250. Sponsor: Logarithms, MIT.

8:00 p.m. – "sing forevermore." Anne Rhodes (senior office assistant, Architecture) in a solo voice recital of classical, jazz and experimental music of the 20th Century. Works by Olivier Messiaen, David Foxe '03 (MIT Course IV), Klokke Grossfeld, Leonard Bernstein, Duke Ellington, Bart Howard, Cole Porter, Rodgers & Hammerstein, Milton Babbitt and John Cage. Funded in part by the Council for the Arts at MIT. Possible funding by the MIT Department of Architecture (pending). Free. Room: Killian Hall. Sponsor: Council for the Arts at MIT.

8:00 p.m. – The Dining Room. MIT Community Players production of play by MIT Professor Emeritus A.R. Gurney. Directed by Megan Bell. \$10, \$8 other students, MIT faculty/staff/senior citizens, \$6 MIT/Wellesley students. Room: Kresge Little Theater. Sponsor: MIT Community Players.

Sunday, May 12

9:00 a.m. - 1:30 p.m. – Media in Transition 2: globalization and convergence. International conference at MIT runs three days, May 10-12. Conference features over 100 scholars and artists covering a wide range of issues related to globalization and convergence of media. Film, TV, journalism, the Internet and more are covered from a variety of international perspectives. free - register at conference Web site at <http://cms.mit.edu/comf/mit2>. Room: all conference events take place in E51 except for tele-journeys exhibit in List Visual Arts Center. Sponsor: Office of the Arts, Communications Forum, Comparative Media Studies. This conference is sponsored by the MIT Program in Comparative Media Studies in cooperation with List Visual Arts Center and support from the Office of the Arts and MIT Communications Forum.

12:00 p.m. - 2:00 p.m. – Hillel's Mother's Day BBQ. Bring your Mom -or your friends - and celebrate mother's day with a FREE BBQ! Free. Room: Kresge BBQ Pits. Sponsor: Hillel, MIT.

2:00 p.m. – The Dining Room. MIT Community Players production of play by MIT Professor Emeritus A.R. Gurney. Directed by Megan Bell. \$10, \$8 other students, MIT faculty/staff/senior citizens, \$6 MIT/Wellesley students. Room: Kresge Little Theater. Sponsor: MIT Community Players.

5:00 p.m. – MIT Chamber Music Society Student Concert. The Chamber Music Society, coordinated by Professor Marcus Thompson, is comprised of students selected by audition to study and perform chamber music literature. Free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

7:00 p.m. – MIT Chamber Music Society Student Concert. The Chamber Music Society, coordinated by Professor Marcus Thompson, is comprised of students selected by audition to study and perform chamber music literature. Free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

Monday, May 13

9:00 a.m. - 5:00 p.m. – New Approaches in Neuroscience Symposium. The McGovern Institute for Brain Research at MIT is sponsoring a two-day Symposium entitled "New Approaches in Neuroscience", featuring 16 distinguished speakers from the U.S. and Europe. The symposium takes place May 13-14 and is open to the scientific community. Admission is Free. The four sessions are: Novel Avenues for Electrophysiology, Genes in Neuroscience, Imaging the Brain: Beyond BOLD and Neural Stem Cells and Repair. Free. Room: Wong Auditorium, Bldg. E51. Sponsor: McGovern Inst.

12:00 p.m. - 1:00 p.m. – TSM (ADSM) Backup Software Quick Start. Learn how to download, install, and configure TSM (formerly ADSM), a program for backing up your files to a secure server over the network. Discuss your TSM questions with technical staff. Room: N42 Demo. Sponsor: Information Systems.

12:00 p.m. - 1:00 p.m. – Working Group Recycling Committee Meeting. Committee Meeting of Working Group Recycling (WGR) task force. Open to all interested faculty, staff and students who would like to help improve recycling at MIT. Free. Room: Adler Conference Room 39-327. Sponsor: Working Group on Support Staff Issues.

1:30 p.m. - 4:30 p.m. – Web Publishing Overview. A prerequisite for the Web Publishing: Basics course, this three-hour lecture/demonstration session gives an overview of the electronic publishing process as it works at MIT, focusing on: how to code files using HTML tags (HTML, the HyperText Markup Language, is the standard for publishing on the web) how to upload files to the Athena system for delivery through MIT's primary web server, web.mit.edu. Special attention is paid to issues affecting web sites at MIT (MITnet rules of use, Athena file conventions, special services available on web.mit.edu, etc.). Room: N42 Demo. Sponsor: Information Systems.

3:00 p.m. - 5:00 p.m. – Adobe Systems Design/Publishing Solutions - Free Seminar. Mike Richman from Adobe's New York City office will take attendees on a 2-hour tour of the new OS X Photoshop 7 with tie-ins to Illustrator, InDesign, and Acrobat. Also with Mike will be Kevin McGrath with Adobe Systems - Education Sales Group. Door Prizes: Several cool Adobe products and other stuff! Free. Room: 3-270. Enter through 77 Mass. Ave. Sponsor: Information Systems.

4:00 p.m. - 5:00 p.m. – "Infinite-dimensional bundles and differential forms." Free. Room: 4-159. Sponsor: Differential Geometry Seminar. Department of Mathematics.

4:00 p.m. - 5:00 p.m. – 2002 AWARDS CONVOCATION. MIT Awards Convocation. Reception will follow ceremony. Free. Room: 10-250. Sponsor: Residential Life and Student Life Programs.

4:00 p.m. - 5:00 p.m. – Mechanics Seminar: "Induced-charge Electro-osmosis: Theory and Microfluidic Applications." [Joint work with Todd Squires (Department of Physics, Harvard University).] Refreshments will be served. Room: 5-234. Sponsor: Mechanical Engineering Dept.

5:00 p.m. – MIT Chamber Music Society Student Concert. The Chamber Music Society, coordinated by Professor Marcus Thompson, is comprised of students selected by audition to study and perform chamber music literature. Free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

5:30 p.m. - 7:15 p.m. – The Resilient City Colloquium: Trauma, Recovery and Remembrance. MIT's Resilient City project was conceived in response to the terrorist attacks that destroyed New York's World Trade Center on Sept. 11, 2001. The colloquium will examine critically how cities in the past have endured traumatic episodes, and prevailed to establish new order out of chaos and devastation. Weekly lecture series. Free. Room: Room 10-485. Sponsor: Department of Urban Studies and Planning.

7:00 p.m. – MIT Chamber Music Society Student Concert. The Chamber Music Society, coordinated by Professor Marcus Thompson, is comprised of students selected by audition to study and perform chamber music literature. Free. Room: Killian Hall. Sponsor: Music and Theater Arts Section.

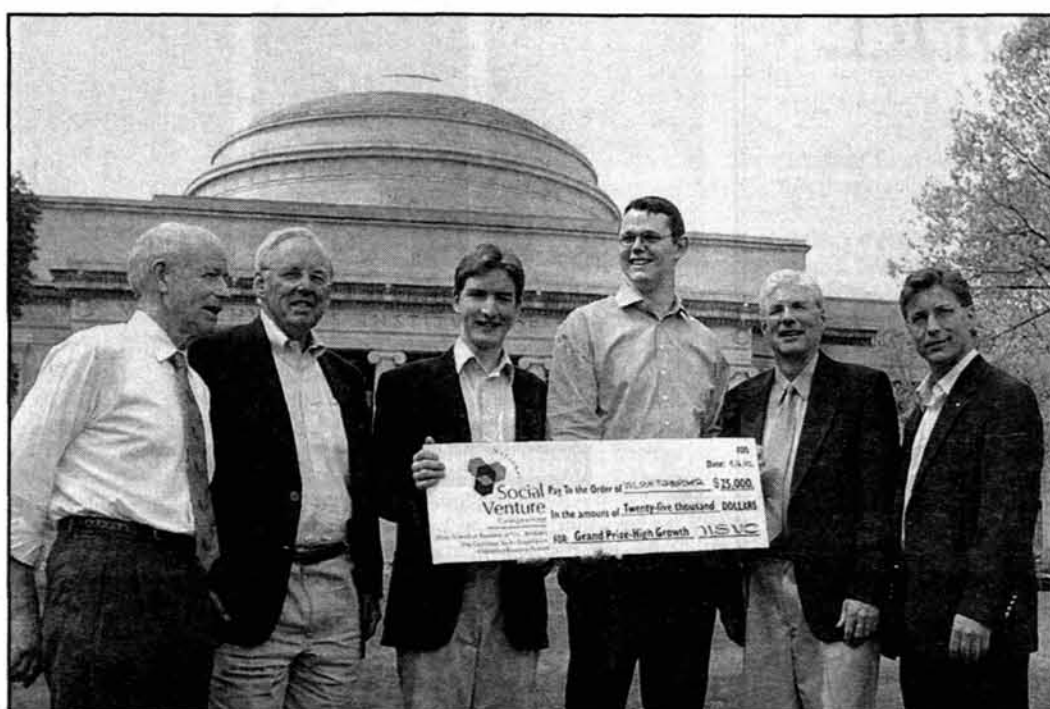
7:30 p.m. - 9:30 p.m. – New Thoughts on Interpreting "Copenhagen". Symposium in association with the play "Copenhagen" in Boston Colonial Theatre, May 7-May 19. Panel discussion about Michael Frayn's award winning play. Moderated by Prof Alan Brody, MIT Associate Provost for the Arts. Each panelist will speak individually, then among themselves, followed by Q&A with audience. Participants: Laszlo Tisza, MIT Professor of Physics, Emeritus ("Personal Reminiscences of Bohr and Heisenberg") Gerald Holton, Professor of Physics, Emeritus, Harvard ("What We Learn from the Newly Released Bohr Documents") Jochen Heisenberg, Professor of Physics, University of New Hampshire ("Two Heisenbergs, Frayn's and My Father") Mariette Hartley, actor who portrays Margrethe Bohr in the play Hank Stratton, actor who portrays Werner Heisenberg in the play. Free. Room: Wong Auditorium (E51). Sponsor: Office of the Arts. Goethe-Institut.

8:30 p.m. - 10:00 p.m. – Sigma Xi Lecture. "Computational Capacity of the Universe." Free. Room: Sala de Puerto Rico. Sponsor: Ceramics/Materials Science.



ERIKA BROWN—THE TECH

Turkish national chess champion Tamer Karatekin '04 opens round three of last weekend's MIT Open Collegiate Championship against reigning U.S. Women's champion Elina Groberman '04. Karatekin took home top honors from the tournament with 3.5 points out of a possible four.



AARON D. MIHALIK—THE TECH

All-MIT spinoff Wilson TurboPower celebrates victory in the \$25K National Social Venture Competition. CMI exchange student Peter T. Eckley and Sloan student Joern Kallmeyer G wrote the winning business plan. From left to right are co-founders Professor David Wilson, John Wasserlein '63, Eckley, Kallmeyer, Richard McRay '61 and IGNITE! President Bruce Anderson '73.

Segue Misses Target, But Crowds Reduced

By Richa Maheshwari
STAFF REPORTER

Although the Senior Segue attracted only slightly more than half the number of students MIT had hoped for, overcrowding in undergraduate dorms will nonetheless be reduced next year.

"The worst crowding situations will be gone next year, such as using the MacGregor lounges as rooms, and using the New House doubles as quads," said Dormitory Council President Matthew S. Cain '02. "The singles at [East Campus] will still be used as doubles, but this has been the case for a while, and it will still be an improvement."

"We have been able to fix the crowding situation in the worst crowds on campus," said Manager of Undergraduate Residential Services Denise A. Vallay. She said that MIT's crowding situation would still improve despite the low numbers for the Senior Segue. Only 88 undergraduates will move into graduate housing next year, including sisters from Kappa Alpha Theta who are moving into Sidney-Pacific, Vallay said.

"Even though it looks like we have taken only 88 people out of the system, that translates into improvement in the lives in many more people — the people who were crowded, and the people people who they were crowded with," Vallay said. "We feel we have made a tremendous start and have come a long way towards solving the overcrowding problem."

No further plans announced

No further measures have been implemented to reduce the crowding situation, in part because it is still

unclear how large of a problem it will be. As of now, the number of uncrowded spaces that are available is approximately 2,950, while the number of spaces that are needed is still unclear.

"[The number of spaces needed] depends on the size of the freshman class, the number of people returning from leaves of absence, junior year abroad, depeding current freshman to whom we have guaranteed spots, and also special considerations for medical and counseling support," Vallay said. "It is not clear how many spaces we need."

Vallay said that spaces in the graduate dorms Ashdown House and Sidney-Pacific are still available, and Senior Segue applications will be considered if they come in.

"We are still working on some other contingency plans to free up a few more beds here and there," said Dean for Student Life Larry G. Benedict.

Graduate Student Council President Sanith Wijesinghe said that crowding will still be a problem next year, despite the progress made thus far. "Reductions in undergraduate enrollment and/or more on campus housing options are required before overcrowding ceases to be a problem completely," he said.

However, despite the lower-than-expected numbers for undergraduates moving to graduate housing, Wijesinghe said there would still be a negative impact on graduate students. "Clearly, taking more beds away from graduate students is going to be detrimental," he said. "There will be greater pressure on current students to find affordable off-campus housing."

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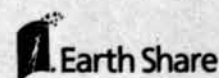
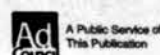
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Brass Rats Found

The missing brass rats which were not delivered to students with last names beginning with the letters "P" through "Z" at the ring delivery event were found Tuesday.

Class of 2004 Ring Committee member Maxwell E. Planck '04 said in an e-mail message to the class that the 224 rings were shipped Tuesday.

News Briefs

RingComm Vice Chair Nadya Mawjee '04 said that most of the rings had already been shipped as of yesterday, and some students had already received them. Some students have not yet given Josten's address information, she said.

Miriam L. Sorell '04 received her ring yesterday afternoon, much to her surprise. "I didn't even believe that we'd get them tomorrow," she said. Sorell said she was annoyed that she travelled all the way to the Museum of Science, only to find her ring was not there.

"I find it hard to figure out where to place the blame in this situation," Sorell

said.

RingComm Chair Douglas J. Quattrochi '04 said in an e-mail to the class that no compensation would be received for the shipping error by FedEx.

Mawjee said RingComm was trying to determine if some form of compensation could be obtained, but that the group was primarily focused on making sure all rings are delivered. "We're trying to figure out if something can be done," she said.

Mawjee said that FedEx could not explain the shipping error, but that Josten's was seeking compensation for the delivery problem. "Josten's is planning to sue FedEx," she said, noting that FedEx admitted their negligence in delivering the rings by letting an unauthorized person sign for the package.

"They don't know who this guy was at all," Mawjee said. "Some random guy had the rings."

Mawjee said that the committee had heard many complaints from disgruntled students, and that "a lot of people are tending to blame the committee."

"I think it's difficult to explain to people how this is our ring, too, and we were in the

exact same situation," she said. "We understand that they're very angry and upset. I would be, too."

Mawjee said that some members of the committee had received what she called "hate mail."

"Someone wrote [the committee] an e-mail saying that we were the products of a failed abortion," she said.

—Kevin R. Lang

Graybiel Wins National Medal of Science

Ann M. Graybiel, the Walter A. Rosenblith Professor of Neuroscience and investigator at MIT's new McGovern Institute for Brain Research, won a 2001 National Medal of Science, the White House announced yesterday.

The prize is the highest science and technology award given by the U.S. Fourteen National Medals of Science and five National Medals of Technology were awarded by President George W. Bush this year. Graybiel was the only woman medalist.

Her research involves the neurophysiology of the basal ganglia, regions of the brain which control movement and cognition. Problems with the basal ganglia have been connected to Parkinson's and Huntington's Disease, as well as neuropsychiatric disorders such as Tourette's Syndrome, obsessive-compulsive disorder, major depression and addiction.

"It is an enormous privilege to be able to study the brain, and my goal is to help solve problems related to neurological and cognitive function," Graybiel told the MIT News Office.

Graybiel graduated from Harvard University in 1964, then received her masters in biology from Tufts University in 1966 and her PhD in psychology and brain science from MIT in 1971. She began teaching at MIT in 1971.

Graybiel joins 24 present and past members of the MIT faculty in receiving the National Medal of Science. The most recent winners were Institute Professor Emeritus Robert M. Solow and Professor Kenneth N. Steven of electrical engineering and computer science in 1999.

—Kevin R. Lang

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Easter 1987, Age 5



Easter 1988, Age 6



Easter 1989, Age 7



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Student Groups Draft Responses to Accounts Plan

Accounts, from Page 1

S. Bufferd to several student group leaders last Tuesday. Bufferd asked student leaders to inform the student population, but the move was met with much dissension.

"The DormCon president just started screaming at that point," said UA Financial Board member Arthur G. Fitzmaurice '03.

"I mentioned on Tuesday that if they don't match the banks' offers, there will be a black market," said ASA President Jennifer S. Yoon '03. "They realize this fact and that the plan is almost infeasible to do before July 2002. This may mean that the idea gets pushed back another year to compensate for time."

An investigative committee, headed by Managing Director of the Treasurer's Office William A. Heitin, said it had "discovered illegitimate activities occurring through outside accounts of several student groups; these included both embezzlement and fraud charges currently undergoing criminal investigations," according to an e-mail sent by the ASA executive board.

At the meeting last Tuesday, Heitin referenced the case of funds missing from The Tech's outside bank accounts. "They mentioned The Tech was one of the most recent and the most severe [cases]," said DormCon President Matthew S. Cain '02.

Associate Dean for Student Life Programs Barbara A. Baker said that many problems occurred when outside accounts were reallocated in 1996. "This was not prompted by just one incident," she said. Heitin and other investigative committee members were unavailable for comment.

Yoon said that she felt that the string of financial problems student groups have faced stem from a his-

tory of substandard accounting practices. "It's upsetting that students don't show up to financial services treasurer trainings, but they should," she said.

Student Finances Associate Laurie Ward said she was hoping to install consistent training for treasurers, and will work this summer to update the system. "We really need to simplify the rules. It's pretty simple; we're just a bank," she said. "Now we need to get the rules out in a clear format."

Leaders concerned about changes

Since a formal announcement to all ASA student leaders Friday morning, many student groups have shown great concern about the potential damage that internalization could bring.

"Student groups count on resources outside banks can give that MIT can't," Fitzmaurice said. "For a theater group I was involved in, we took the money from our ticket sales straight to a night deposit box. LSC operates similarly, since they can't really wait until Monday morning to deposit such a large amount of money."

UA President Josiah D. Seale '03 agreed. "Not being able to do this means some student groups won't be able to survive. We both have the same goal because nobody wants our money to be embezzled, but there are many ways to go about this and I can't support removing outside bank accounts until these things are in place."

Also among the list of expectations was the possibility of earning interest, a benefit not currently offered to bank accounts within MIT. "Some of the groups with large amounts of money in outside accounts, such as LSC, depend on that substantial source of income," Fitzmaurice said.

ASA Treasurer Alvar Saenz

Otero G, last year's GSC president, said that the GSC's main concern was retaining the ability to write checks. "Supervising that ability would solve the problem the administration wants to solve, and we are very eager to work with the administration," he said.

"A lot of the concern is that first of all student government and representatives were not part of the formulative process of this change," Wijesinghe said. "This is a continuation of the same trend we've seen this past semester, and we have to tackle this as a systematic problem. Institute committees are one way to have more of a say, but lots of issues don't go through these committees. We have to find out what level of administration the process starts. If it's just a single person, there's no way to be part of the setup."

Meeting congeals plan of action

At the meeting Sunday, students agreed to gather more input and reactions from students. The ASA is continuing to do so presently.

"What we've seen is there are a lot of students that want their voice heard," Yoon said. "We've received much feedback from representatives."

"The GSC is in the same position," Saenz Otero said. "We also want to hear from them. I know that ... this is not a closed case at all for the GSC."

"I think there's nothing truly settled down because the list that the ASA has received is huge," Saenz Otero said. "We have to compile the list of 'must happens' and truly figure out the real ones."

The ASA executive board plans to meet on May 16 to condense the list of proposals and then send them to the RLSLP and treasurer's offices.

"Our primary goal right now is

to be sure that there is enough time for student groups adjust to whatever changes the administrators want to make," Yoon said. "It seems they are adamant about changing it ... so the ASA is looking out for the best interest of its constituents."

Wijesinghe had a different agenda. "First, we are trying to see if the date can be shifted further back. [We need] a more gradual change than this," he said.

Saenz Otero also said that the GSC is considering alternatives to the internalization of all bank accounts, but said the organization first wanted to speak with the administration.

Members of the RLSLP office have heard preliminary requests from students and "we intend to be very responsive," Ward said. "It's not going to be easy, but we are going to make it easier."

RLSLP has already acted to improve services since the original meeting with student organizations last week. Ward said that the office can now accept deposits and make printed statements available.

Groups also act individually

There have been several informal meetings between representatives of student groups and various administrators discussing individual concerns. For example, representatives from the ASA and UA spoke to Dean for Student Life Larry G. Benedict and Heitin, and incoming DormCon President Grace R. Kessenich spoke with administrators from RLSLP.

"No one group has real control over the process, Cain said. "We are all working together."

"We've had many different conversations with the students," Baker said. "We will probably pull that together in the next two weeks."

Currently, members of various student groups are working on a let-

ter addressed to RLSLP according to Cain. They hope that other student organizations will attach their signatures to the letter. "We are working on a unified response," said Lecture Series Committee Chairman Roger A. Ford '02. "LSC will greatly be affected by this, as well as other student groups and dorms. Most student groups think it is a bad idea and feel MIT must have a more concrete plan." Ford hopes the response will be ready by next week.

"I'm not sure if we're going to send our requests as a separate letter," Yoon said. "I think [other student groups and the ASA] are on the same page here and we do not want students to be left out of important decisions like this ... We will speak to Heider soon."

At the most recent meeting, DormCon voted that keeping the outside bank accounts would be most ideal. "We like the control and the flexibility and ease of access they offer," Cain said. Many dormitories such as Baker House have external accounts as well as internal ones.

Seale addressed the UA on the state of the matter after being sworn in Monday night. "The only thing I could really say is that the issue is still up in the air," he said. Seale advised students make their voice heard through comments to ASA or Finboard.

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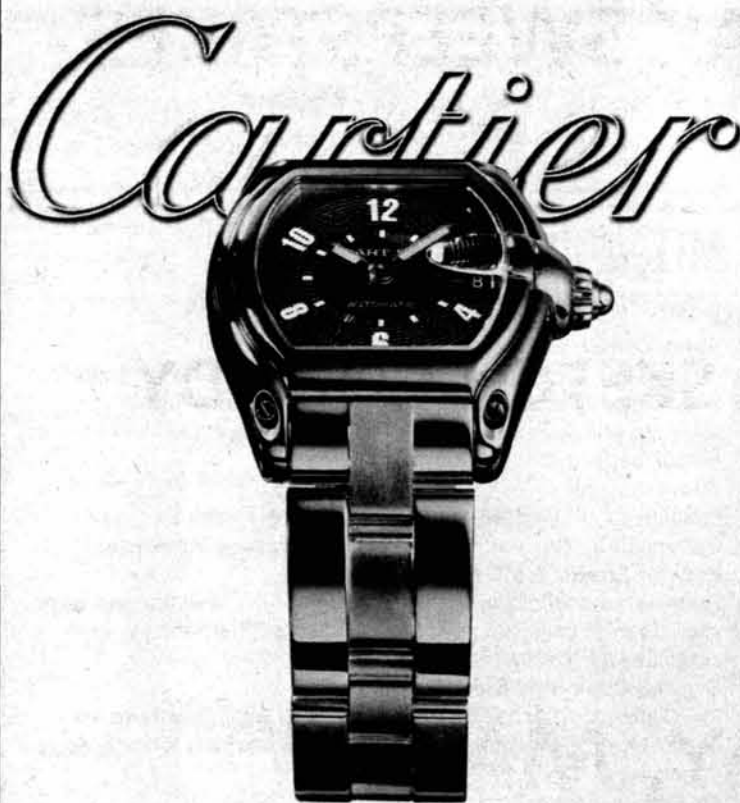


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Anzolini to Lead MITSO Farewell Concert Tomorrow

Anzolini, from Page 1

assistant professor since his hiring in 1998, Anzolini was recently promoted to associate professor of music, and a comprehensive tenure review is slated to commence within a couple of years.

In spite of a contractual obligation that forces Anzolini to take a paid leave of absence next year or else forfeit his sabbatical outright, some members of the music faculty have privately expressed concerns about the timing of Anzolini's leave of absence relative to his upcoming tenure review. Though professional activities outside MIT constitute a significant portion of the tenure committee's decision — these out-

side engagements are for music performers on the faculty what research is for most other professors — some faculty find it somewhat odd to spend the year in a similar full-time position at another school.

Though Anzolini has been engaged at NEC for a one-year contract, the nature of that job is not one of tenure-track; the contract is simply renewed on a yearly or bi-yearly basis. His predecessor at NEC has resigned and has no intentions of returning to the post of director of the orchestral program.

The face of MITSO for 2002-2003

In Anzolini's absence, the day-to-day logistics of the orchestra will be taken over by Director of the

Wind and Festival Jazz Ensembles Frederick E. Harris, Jr. Each of the four MITSO programs next season will have a guest conductor: Harris, Institute Professor of Music John H. Harbison, Ludovic Morlot, and David Alan Miller.

Morlot is a young and promising maestro who has affiliations with the Boston Symphony Orchestra and the Tanglewood Festival. Miller, the music director of the Albany Symphony Orchestra, has appeared as guest conductor with many of the nation's most prestigious orchestras, including those in Chicago, Philadelphia, and New York.

A quick glance at each of next season's four programs yields inter-

esting conclusions. Each contains a symphony from the classical period (two by Haydn and one each by Beethoven and Mozart). There are no Mahler symphonies and no major 20th century works, à la Stravinsky's *Firebird* or Bartok's *Concerto for Orchestra*. The major work on each program falls within the standard canon: two works by Brahms, one each by Schumann and Beethoven. In a word, the signature of MITSO's upcoming season is distinctly non-Anzolini in character, as he has tended to focus on 20th century masterpieces, Mahler, and other late romantics.

Beyond 2003: an uncertain future

All of this information leads to speculation about Anzolini's future at MIT. There are no ambiguities about the fact that MIT is not a music school, whereas NEC is one of the most prestigious music schools in the region. Upon first glance, one might ask what kind of musician would not jump at the opportunity to direct an orchestral program involving four orchestras and music students instead of two extracurricular ensembles (MITSO and the MIT Chamber Orchestra) at a science and technology institute.

The choice is not so simple. MIT offers a tenure-track faculty position, whereas there is no chance for tenure as director of the orchestral program at NEC. As well, an NEC employee familiar with the situation noted that MIT has a less invasive central administration than NEC, which affords Anzolini a great deal more autonomy, including the opportunity to go on tours.

Most importantly, MITSO consists of players who — despite an

inordinate amount of coursework — want to be in the orchestra and choose to make time in their schedules to be there. At NEC, like at other conservatories, instrumental teachers want their students to focus on learning solo repertoire. As a result, students tend to regard their orchestral activities as a chore.

"MIT students don't have a lot of spare time to practice," says Director of the Concerts Office Clarise Snyder, "but their hearts and minds are in it, and that makes all the difference." Snyder, who manages all of the on-campus concerts, knows Anzolini well.

MITSO players 'are brilliant'

Furthermore, Anzolini has a great deal of pride for MITSO, which he unequivocally asserts is superior to all other Boston-area college orchestras. "Could any of them have played Ives' 4th Symphony as we did? No." He bubbles over with pride when he speaks of the members of MITSO.

"They are intelligent. They are brilliant, and they use this," Anzolini said, pointing to his head.

The respect and admiration is reciprocated, as Anzolini is popular amongst his troops in MITSO. He elicits nothing but praise from Snyder, who, as an alum of NEC and an employee of MIT, has been on both sides of the fence. "I think he has the potential to create something wonderful at NEC," says Snyder.

Of course, he already has done so in a mere four years at MIT.

MITSO will perform Sanchez-Gutierrez's *Afterlight*, Penderecki's *Viola Concerto*, and Mahler's *First Symphony* tomorrow night at 8 p.m. in Kresge Auditorium. Tickets are \$3 at the door.

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Orchestra

Dante Anzolini
Music Director

Marcus Thompson
Viola

Afterlight
Sánchez-Gutiérrez

Viola Concerto
Penderecki

Symphony No. 1
Mahler

May 11, 2002
8 p.m.
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Free tickets in Lobby 10 May 6-10

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MIT Department of FACILITIES

CAMPUS CONSTRUCTION UPDATE

Stata Center

The pedestrian path that leads from the underpass at Building 26 and heads east around the Stata trailer is now closed to allow for crane access to the area. Signs have been installed to detour pedestrians to their destinations.

Simmons Hall

Installation of windows and windowpanes continues. Installation of the permanent roof membrane is complete.

Zesiger Sports & Fitness Center

Removal of scaffolding is now complete. Dry wall framing work and rough plumbing continue on all floors. Ceramic tile work continues at the swimming pools.

Dreyfus Chemistry Building

Installation of mechanical, electrical, and piping systems continues on all floors. Moving of faculty into new lab spaces is underway.

70 Pacific Street

Interior drywalling, painting, floor tiling, and installation of bathroom finishes continue.

Vassar St. Utilities

Installation of chilled water, fire protection, steam, telecommunication, and electric ductbanks is progressing behind Buildings 44, 45, and through the 45 parking lot toward the Stata site.

Memorial Drive Traffic Signals

The Traffic Lights at Wadsworth and Endicott Streets are fully installed and operational. Landscaping work is underway.

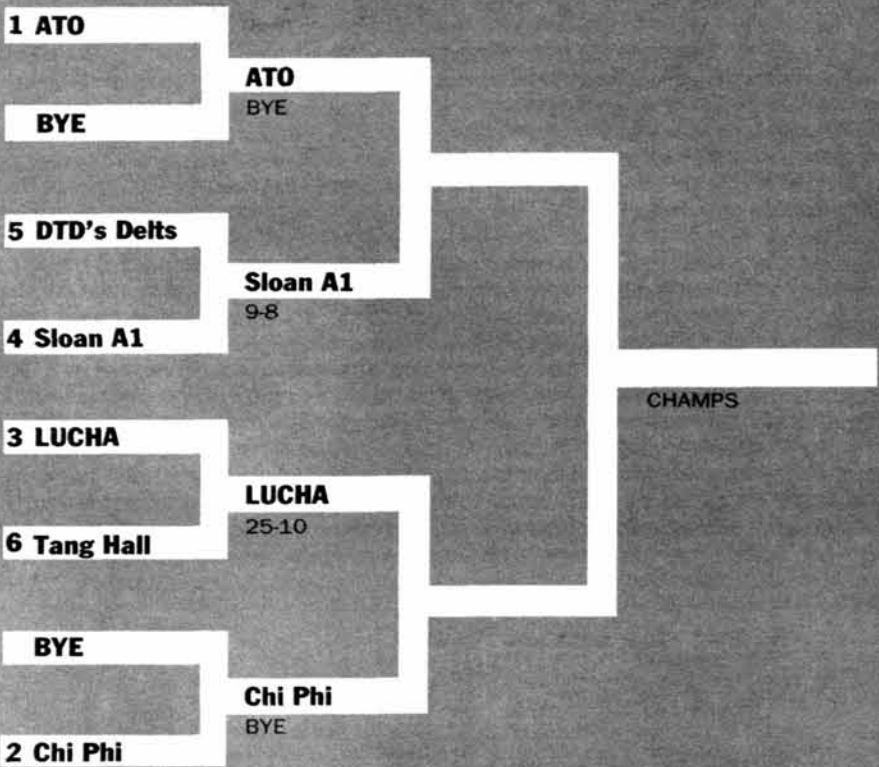
For information on MIT's building program, see <http://web.mit.edu/evolving>. This information provided by the MIT Department of Facilities.

MIT Logarithms Spring Home Concert

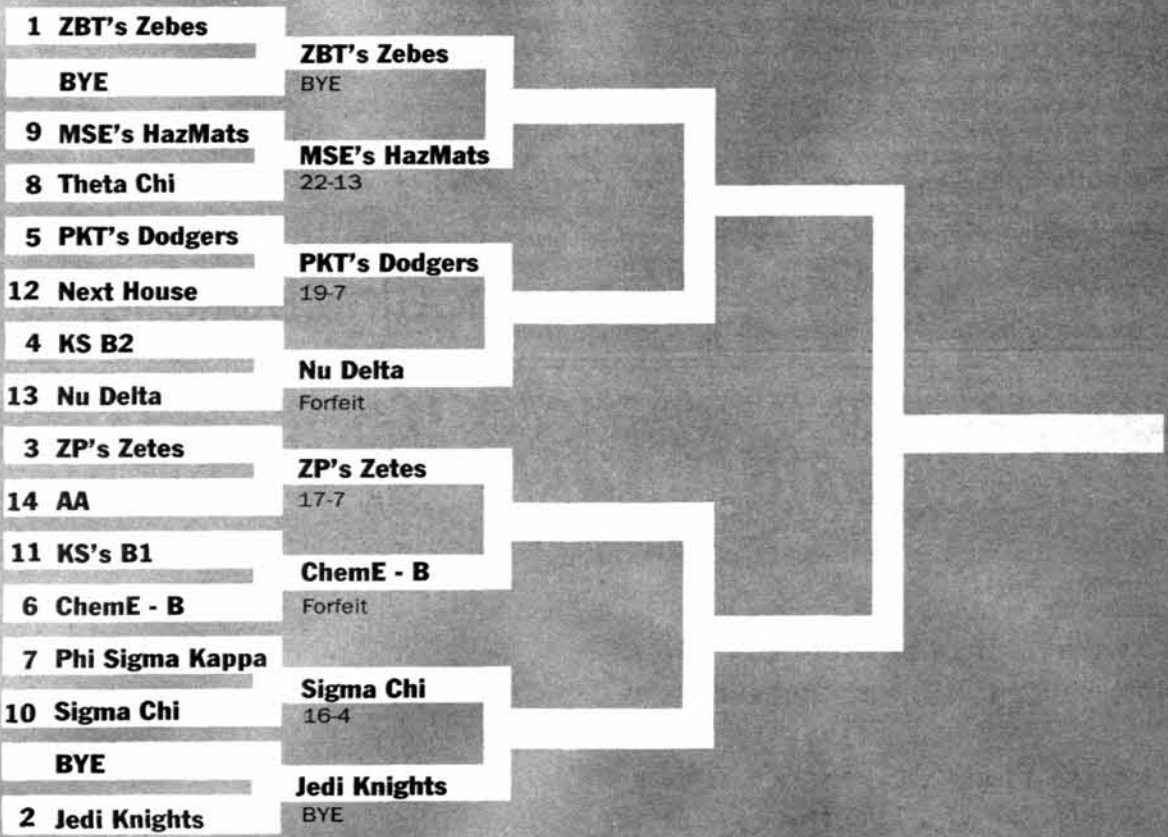
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\$15.00
- Trio of Mixed Grill
(Lobster, Petite Filet
and Catch of the Day)
\$27.00

Desserts

- Sidney's Skillet with cashews,
hazelnuts and chocolate topped
with vanilla ice cream
\$6.50
- Apple and Pear Bread Pudding
\$6.00

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Saturday, May 11



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Cohen Remembered As Gifted Composer

Cohen, from Page 1

sor Cohen was explaining how to compose a sonata form and someone jokingly challenged him to write one for us on the spot. He improvised it at the piano — it was beautiful and in perfect form," she said.

Another student, Edward W. Kohler '95, said, "He was patient and kind. He never skimmed on feedback. He treated every piece of work we produced as worthy of respect."

Cohen was born in New York City in 1940, where he attended the High School of Music and Art. He

received a BA with honors in music from Brandeis University in 1961 and an MA in 1965 from the University of California at Berkeley. Before coming to MIT, Cohen taught at Brandeis University for 13 years. He also taught at Harvard.

Cohen is survived by his wife, two daughters, his parents, two brothers, and eight nieces and nephews.

A memorial service is planned for October 20 from 3 to 5 p.m. in the Wong Auditorium. MIT is also establishing the Edward Cohen Fund for New Music. Contributions may be sent to MIT Music and Theater Arts.

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For more information, write to us at <hemisphere-admin@mit.edu> or check out our web-site <<http://web.mit.edu/hemisphere>>



2.007: Ingenuity Equals Survival

2.007, from Page 1

prizes donated by Microsoft, one of the contest's corporate sponsors. Students will receive a t-shirt if they make it to quarter-finals, and, if they are lucky enough to reach the final four, an Xbox and several games.

Different methods face off

Because of the way the contest was designed, students were torn between two scoring methods — swinging the pendulum or putting weights in the bin.

"If you do the sensitivity analysis, it actually turns out that scoring potential of putting weight in the bin is ten times more than that of the pendulum," Slocum explains.

Some machines scale the slippery PVC pipe, clamp on, and spin. Others, arms flying, whack the pendulum back and forth. Some try to impair their opponent by throwing fences across the table. Jonikas' machine clamped its sharp-toothed jaws to the side of the scoring bin and pushed the scale down, sending his score into astronomical figures. And then there are the suicide machines, who, with a running start, throw the full weight of their machines into the bin.

"If I were to design a machine, I would have tried to maximize the scoring with both methods, but I definitely would have concentrated on the weight, and I would have done something similar to Martin's design," Slocum says.

Spectators get into contest

Amidst competing cheers of "Har-vard!" and "M-I-T!" teams 56 and 74 face off — individual competitors are allowed to have an assistant driver. After an intense forty-five seconds, the Harvard team is eliminated.

Kids with signs touting their status as future MIT geeks scream as the camera pans in their direction. College-age spectators sport signs with the names of their friends and their contraptions. Still older spectators watch the contest quietly; some have sat in Johnson watching 2.007 each year for

decades. Professor Ernesto E. Blanco, who Slocum calls his inspiration for becoming a mechanical engineer, is honored between rounds with an MIT clock similar to that given to the winner.

Prelims determine the best of the best

"Tuesday was just to weed out the machines that shouldn't be here," said Henry Hilton '04, the third place finisher. Tuesday's competition marked the beginning of the fast-paced single elimination tournament.

"It was kind of intense; do or die," Hilton said.

After Tuesday, the location of the control podium was changed, causing some anxiety among the competitors.

"When I came in today, I was worried because they changed the location," Jonikas said.

Fortunately for his machine, Jonikas rewired "Bomb Totin' Mama" to make the change easy to handle.

Contest precursor to IDC

The top four finishers, as well as two other competitors, will be given the opportunity to participate in the International Design Contest (IDC), the brainchild of MIT and the Tokyo Institute of Technology.

Students from the United Kingdom, France, Germany, Brazil, Japan, and MIT will gather in Cambridge in early August. For two weeks, they will work in mixed groups on a contest similar to 2.007.

"It's going to be awesome," Jonikas said, a permanent grin stretching his face.

Final round

Two are left. Others, machines in hand, have left or retired to the spectator seats. Aaron J. Parness '04 steps forth to challenge Jonikas. The much anticipated final competitors set up their machines one last time.

"Ready... Steady... And..."

They're off. Quickly the two race to the other's starting point to stop the swinging pendulums. Their points have stopped climbing. Now what? They reach an impasse as each blocks the other. The seconds go by, neither one blinking. Both contestants' main scoring strategies had been thwarted.

With only a few seconds to go, Jonikas turns away and drives to his own scoring bin, toppling over a load of balls and preparing to unleash his "lethal press." Parness scrambles to follow suit, but it is too late. Time is up. This is not obvious to Jonikas, who is still intent on driving the scoring pit downward. A knowing pat on the back from a friend tells the warrior he has won.

Grabbing Jonikas around the waist, Slocum throws him over his shoulder and swings him around.

"It's tradition," Slocum says.

Post-contest reflection revealing

"It felt great," Jonikas says. "As long as the other machine didn't impair mine, I was pretty confident of myself. Some of them put up a good fight."

"I was definitely worried in the last round. I thought some of the other machines had a chance."

"Martin was kind of scared of me," says Hilton, the third place finisher. "There was a small possibility that I could have beaten him."

Jonikas spent "lots and lots and lots of time" on his machine. "It's unfair to the people who have lives," his friend adds.

"I enjoyed it, though. It's an opportunity to be creative, and I love to build things."

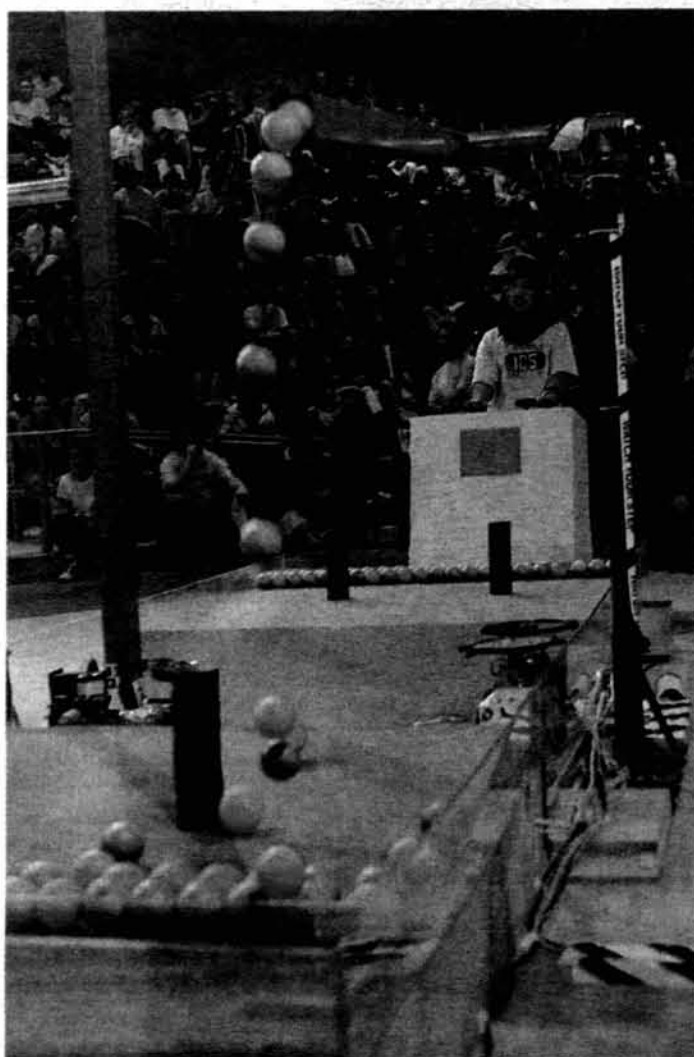
The aftermath

The pendulums are being disassembled. The judges tables are abandoned and most of the caution tape on the floor is pulled up. Teaching assistants and judges walk through the stands, collecting garbage.

Jonikas remains to speak with reporters while the other finalists pack up their machines. Jonikas approaches Slocum, who is conducting the clean-up process.

"Thanks a lot Professor Slocum. Your class was amazing," Jonikas says, shaking Slocum's hand as the tables are taken apart.

"I'm just the catalyst. You guys are the fuel," Slocum says.



(Clockwise from bottom left) (1) Professor Alexander H. Slocum carries Martin C. Jonikas '04 on his shoulders in the traditional victory run. (2) Two robots are tangled in the u-shaped pit between the pendulums. Many robots had trouble crossing the steep lip on either side of the curve. (3) Jonikas signs a ball used during the competition for fan Michael Tyko. (4) Balls spill onto the field after a machine gives the pendulum a particularly good whack. Placing weight (including the balls, hockey pucks, and the machines themselves) into bins on the field was another way that robots could score points. (5) "The Boxer" and another robot struggle to get past each other. Though good sportsmanship was encouraged, many small collisions could not be avoided and added to the excitement of the game. (6) Sam R. Sarcia '04 carefully attaches his robot to one of two pendulums on this year's playing field. Swinging the pendulum during the 45 second round was one of the ways that robots could score points.

Photography by Daniel Bersak and Amy Wong

