

Winston Questions Simonis Firing

Cites lack of 'MIT culture and values'

By John A. Hawkinson
NEWS EDITOR

At Wednesday's faculty meeting, Professor Patrick H. Winston publicly questioned the MIT administration on how it handled the layoff of Student Support Services Dean Jacqueline R. Simonis, which occurred in June.

Winston asked how Simonis's treatment was "consistent with MIT culture and values."

The Q&A section of the faculty meeting is customarily requested to be "off the record." Winston's web page carries a copy of his remarks, at <http://csail.mit.edu/~phw> (see sidebar, page 11).

Winston cited two articles in the Sep/Oct issue of the *Faculty Newsletter* (online at <http://web.mit.edu/fnl>), one a chronology of events and one a response by Chancellor Philip L. Clay PhD '75.

The chronology included a concerned letter from President Emeritus Paul E. Gray '54 and five senior faculty members summarizing issues with Simonis's firing. The letter said she was let go "for financial reasons," though she received no advance notice, was told to be available for the transition, and was barred from speaking to her colleagues or returning to her office.

Simonis's layoff upset members of the faculty and generated a significant outcry, both in letters and personal communications. That response was one of the factors that led Clay to charge a task force with evaluating S³'s future. Simonis had been

INSIDE

See Winston's comments, p. 11

Winston, Page 11

Mocha Moves masters the material



ARFA AIJAZI—THE TECH

School is still in session: Mocha Moves' Armand E. Mignot '10 performs at the group's fifth annual show, MoCurriculum, which took place in Little Kresge last weekend.

Students band together to save Band

Musical sculptures to play once more at Kendall Station

By Ziwei Hao
STAFF REPORTER

Pythagoras, Kepler, Galileo may have finally found their saviors — in MIT students. Recently, students formed a group to restore the three musical sculp-

tures in the Kendall T station, which have been in disrepair since at least 2007.

Though the timeline is still up in air, members of the Kendall Band Preservation Society estimate that repairs will begin within a month.

The Kendall Band was created by local artist Paul Matisse and installed in 1987. It is composed of Pythagoras, a set of long tubular bells; Kepler, a large metal ring; and Kepler, a rumbling sheet of metal. In 2007, *The Boston Globe* reported that the

Massachusetts Bay Transportation Authority did not have the money to repair the sculptures. They have remained broken or barely functioning.

Seth G. Parker, a principal at Levitan & Associates, a local energy consulting firm got the idea late last year that MIT could help. Parker contacted Clarise E. Snyder, who heads the Concerts Office in Music and Theater Arts, to ask if MIT students were interested in fixing the Kendall Band.

Snyder passed on the message. "I was intrigued by the idea and said that it seemed like a very good fit for MIT music and engineering students," Snyder said. She first contacted Matisse, who was "delighted at the prospect of having MIT students repair the sculpture," she said.

The first steps of the project involved gathering details on repairs from Matisse and getting approval from the MBTA. Next,



JASMINE FLORENTINE—THE TECH

"Pythagoras" is one of three musical installations in the Kendall T station, all of which have fallen into disrepair. Its bells are tuned to B-minor and produce a mellow tone with subtle vibrato.

Kendall, Page 14

Six elected to Nat'l Acad. of Engineering

Five MIT professors and one corporation member were elected to the National Academy of Engineering, the academy announced Wednesday:

- Cynthia Barnhart PhD '88, professor of civil and environmental engineering and engineering systems, director of Transportation@MIT and co-director of MIT's Operations Research Center.
- Gang Chen PhD '99, professor of mechanical engineering and director of Pappalardo Micro and Nano Engineering Laboratories.
- Robert E. Cohen, professor of chemical engineering and co-director

of the DuPont-MIT Alliance, and chair of the PhD CEP Steering Committee in the Department of Chemical Engineering.

- Andrew J. Whittle ScD '87, head of the Department of Civil and Environmental Engineering.
- Alan S. Willsky '69 professor of electrical engineering and computer science and co-director of Laboratory for Information and Decision Systems.
- Arthur Gelb '61, corporation member (chairman of the ESD visiting committee, and member of the EECS, Media Lab, Aero/Astro, and Brain & Cog. Sci visiting committees).

IN SHORT

Campus Dining won't change before Fall 2011, according UA President Mike Bennie, who met with Dean Colombo last week Thursday to discuss dining issues.

Computer Engineer Barbie, decked out in pink glasses, a Bluetooth headset, and a pink laptop, will be Mattel's next Barbie doll. For Barbie's 125th career, Mattel asked people to vote for her next profession in an online poll. Computer engineer beat out environmentalist, architect and news anchor. The new Barbie is scheduled to ship by October.

Alexander W. Dehnert '12 was elected to the Association of Student Activities for a 3-month term at last night's meeting, serving as undergraduate member at large; he already serves as

treasurer of the Undergraduate Association as well as the Educational Studies Program. Keone D. Han G and Nichole D. Teague '12 were confirmed in their recess appointments, filling vacancies left by Paul Baranay '11 and Rachel E. Meyer '12. Han serves as president and Teague as treasurer. Rebecca E. Krentz-Wee '11 replaces Teague as secretary.

MIT's men's volleyball team continued its winning streak by defeating Harvard 3-0 on Wednesday. (See *Sports*, back page.)

The Logs, Chorollaries, Imobillare and Resonance will be performing at a Haiti benefit concert organized by MIT Habitat for Humanity this Saturday at 7 p.m. in 10-250. Tickets are \$5 online at <http://sao.mit.edu/tickets/2010/haiti-benefit>, and \$7 at the door. Proceeds will go toward helping Haiti rebuild.

IT'S NOT LOVE, ACTUALLY

Valentine's Day is 125 minutes of celebrity speed dating. It's as tragic as you might expect. **ARTS, p. 8**

MAKING SCHOOLS MODERN

U.S. public education needs to catch up with the times. **OPN, p. 4**

WHO'S AFRAID OF IRAN?

We should be more afraid of the hawkish fearmongers. **OPN, p. 5**



RAWR, NOTHING WE HAVEN'T SEEN BEFORE

Wolfman relies too much on old horror clichés, begging us to be scared of special effects. **ARTS, p. 9**

WHEN THE PIANO BECOMES MORE

In duets, virtuosos Goode and Biss turn it into a full orchestra. And the two even get along. **ARTS, p. 9**

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Malicious software infects computers

By John Markoff
THE NEW YORK TIMES

A malicious software program has infected the computers of more than 2,500 corporations around the world, according to NetWitness, a computer network security firm. The malicious program, or botnet, can commandeer the operating systems of both residential and corporate computing systems via the Internet. Such botnets are used by computer criminals for a range of illicit activities, including sending e-mail spam and stealing digital documents and passwords from infected computers. In many cases they install so-called keystroke loggers to capture personal information. The current infection is modest compared with some of the largest known botnets. For example, a system known as Conficker, created in late 2008, infected as many as 15 million computers at its peak and continues to contaminate more than seven million systems globally. Botnet attacks are not unusual. Currently Shadowserver, an organization that tracks botnet activity, is

monitoring 5,900 separate botnets. Several computer security specialists also disputed the company’s assertion that the botnet was a novel discovery. This type of infection is well known to the computer security research community and is routinely tracked by a monitoring system that has identified more than 1,300 botnets of this design. NetWitness said in a release that it had discovered the program last month while the company was installing monitoring systems. The company named it the Kneber botnet based on a username that linked the infected systems. The purpose appears to be to gather login credentials to online financial systems, social networking sites and e-mail systems, and then to transmit that information to the system’s controllers, the company said. The company’s investigation determined that the botnet had been able to compromise both commercial and government systems, including 68,000 corporate login credentials. It has also gained access to e-mail systems, online banking

accounts, Facebook, Yahoo, Hotmail and other social network credentials, along with more than 2,000 digital security certificates and a significant cache of personal identity information. “These large-scale compromises of enterprise networks have reached epidemic levels,” said Amit Yoran, chief executive of NetWitness and former director of the National Cyber Security Division of the Department of Homeland Security. “Cyber criminal elements, like the Kneber crew, quietly and diligently target and compromise thousands of government and commercial organizations across the globe.” The company, which is based in Herndon, Va., noted that the new botnet made sophisticated use of a well-known Trojan Horse — a backdoor entryway to attack — that the computer security community had previously identified as ZeuS. “Many security analysts tend to classify ZeuS solely as a Trojan that steals banking information,” said Alex Cox, the principal analyst at NetWitness responsible for uncovering the Kneber botnet.

Judge keeps his word to immigrant who kept his

By Nina Bernstein
THE NEW YORK TIMES

The judge and the juvenile had grown up on the same mean streets, 40 years apart. And in fall 1996, they faced each other in a New York court where children are prosecuted as adults, but sentenced like candidates for redemption. The teenager, a gifted student, was pleading guilty to a string of muggings committed at 15 with an eclectic crew in Manhattan’s Chinatown. The judge, who remembered the pitfalls of Little Italy in the 1950s, urged him to use his sentence — three to nine years in a reformatory — as a chance to turn his life around. “If you do that, I am here to stand behind you,” the judge, Michael A. Corriero, promised. The youth, Qing Hong Wu, vowed to change. Wu kept his word. He was a model inmate, earning release after three years. He became the main support of his immigrant mother,

studying and working his way up from data entry clerk to vice president for Internet technology at a national company. But almost 15 years after his crimes, by applying for citizenship, Wu, 29, came to the attention of immigration authorities in a parallel law enforcement system that makes no allowances for rehabilitation. He was abruptly locked up in November as a “criminal alien,” subject to mandatory deportation to China — the nation he left at 5, when his family immigrated legally to the United States. Now Judge Corriero, 67, retired from the bench, is trying to keep his side of the bargain. “Wu earned his second chance,” the judge wrote in a letter supporting a petition to Gov. David A. Paterson for a pardon that would erase Wu’s criminal record and stop the deportation proceedings. “He should have the opportunity to remain in this country.” The letter is one of dozens of tes-

timonials, including appeals from Wu’s fiancée, mother and sisters, who are all citizens; from the Police Benevolent Association, where Wu used to work; and from his employers at the Centerline Capital Group, a real estate financial and management company, where his boss, Tom Pope, calls Wu “a shining star.” But under laws enacted in 1996, the same year Wu was sentenced, the immigration judge hearing the deportation case has no discretion to consider any of it. For Wu, who remains in a cell in the Monmouth County Correctional Institute in Freehold, N.J., the best hope may be that the Manhattan district attorney will retroactively allow him the “youthful offender” status that would scrub his record clean. “The law is so inflexible,” said Judge Corriero, now executive director of Big Brothers Big Sisters of New York City and the author of “Judging Children as Children: A Proposal for a Juvenile Justice System.”

In surprise move, Fed raises key interest rate

By Sewell Chan
THE NEW YORK TIMES

WASHINGTON — Taking a step to normalize lending after holding interest rates to extraordinary lows for more than a year to prop up the financial system, the Federal Reserve on Thursday raised the interest rate it charges on short-term loans to banks. While the central bank had telegraphed its intentions to take such a step, the timing was a surprise. The announcement was made after the stock market had closed in a carefully worded statement that emphasized that the Fed was not yet ready to begin a broad tightening of credit that would affect businesses and consumers as they struggle to recover from the economic crisis. But while the move will not directly affect home mortgage, credit card or auto loan rates, it was a clear signal to the markets, politicians in Washington and the country as a

whole that the era of extraordinarily cheap money necessitated by the crisis was drawing gradually to a close. The Fed announced that it was increasing its discount rate on loans made directly to banks by a quarter of a percentage point, to 0.75 percent from 0.50 percent, effective Friday. It also took a number of other steps to begin unwinding its efforts to keep the banking system functioning after the real estate bubble inflicted huge losses that were amplified by sophisticated bets made by Wall Street. Given the slow and uneven nature of the recovery, an unemployment rate still close to 10 percent and fears of a new wave of mortgage defaults, particularly in commercial real estate, few economists expect the Fed to begin a campaign of broader interest rate increases. The central bank reaffirmed last month that the key short-term interest

rate it controls would remain “exceptionally low” for an “extended period,” language it has used since March. Having taken a baby step toward a return to normalcy, the Fed’s chairman, Ben S. Bernanke PhD ’79, now faces a delicate dance in the months ahead. The central bank will try to drain from the financial system some of the money it created to keep banks and the economy afloat over the last two years. And at some point it will begin putting upward pressure on interest rates by raising its benchmark fed funds rate, the rate at which banks lend to each other overnight. Uncertainty surrounds the timing and sequence of those steps. Bernanke is scheduled to present the Fed’s semiannual monetary policy report to the House on Wednesday and the Senate on Thursday — testimony the markets will watch closely.

U.N. climate chief quits, deepening sense of disarray

UNITED NATIONS — The sense of disarray in the global effort to address climate change deepened Thursday with the resignation of Yvo de Boer, the stolid Dutch bureaucrat who led the international climate change negotiations over four tumultuous years. His departure, which takes effect on July 1, comes after a largely unsuccessful meeting in Copenhagen in December that was supposed to produce a binding international treaty but instead generated mostly acrimony and a series of unenforceable pledges by nations to reduce their global warming emissions. De Boer did not directly link his decision to step down to the chaos at Copenhagen. But he was known to be frustrated and exhausted by the meeting’s failures. His resignation was seen by some as a further sign that the U.N. framework, which for almost two decades has been viewed as the best approach to tackling global warming, may have outlived its usefulness. And it raised questions about whether any significant progress toward a global treaty would be made by December, when the next U.N. climate talks are to be held in Cancun, Mexico. —Neil MacFarquhar and John M. Broder, *The New York Times*

Ex-head of New York police sentenced to 4 years in prison

WHITE PLAINS, NEW YORK — Bernard B. Kerik, a former New York police commissioner who rose to national prominence, was sentenced to four years in prison on Thursday after pleading guilty to eight felony charges, including tax fraud and lying to White House officials. Under the terms of a plea agreement, the prosecution and the defense recommended that U.S. District Judge Stephen C. Robinson sentence Kerik to 27 to 33 months in prison. But the judge departed from the sentencing recommendations, giving Kerik a longer sentence because he said he had betrayed the public’s trust. Kerik will begin serving his sentence on May 17. Kerik later served as police commissioner, and his performance after the 9/11 attacks turned him into a national figure, earning him the respect of President George W. Bush, who nominated him to lead the Department of Homeland Security. That bid quickly collapsed in scandal, marking the beginning of the end of Kerik’s career. The case against Kerik centered on charges that a New Jersey construction company, the Interstate Industrial Corp., which was suspected of ties to organized crime, had paid for renovations at his home in the Riverdale section of the Bronx. —Sam Dolnick, *The New York Times*

Inspectors say Iran worked on warhead

WASHINGTON — The United Nations’ nuclear inspectors declared for the first time on Thursday that they had extensive evidence of “past or current undisclosed activities” by Iran’s military to develop a nuclear warhead, an unusually strongly worded conclusion that seems certain to accelerate Iran’s confrontation with the United States and other Western countries. The report, the first under the new director of the International Atomic Energy Agency, Yukiya Amano, also concluded that Iran’s weapons-related activity apparently continued “beyond 2004,” contradicting an American intelligence assessment published a little over two years ago that concluded work on a bomb was suspended at the end of 2003. The report confirms that Iran has enriched small quantities of uranium to 20 percent, but makes no assessment of how close it might be to producing a nuclear weapon, which Tehran denies it is seeking to do. At a briefing at the White House shortly after the agency’s report was released, senior administration officials said they saw continuing evidence that Iran has to struggle just to keep its uranium-enrichment equipment running. —David E. Sanger and William J. Broad, *The New York Times*

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Should we bomb Iran?

Aggressive posturing towards Iran will only dig the hole deeper

Anurag Maheshwari

Last week the hostile-war rhetoric against Iran went up a few notches. Hillary Clinton, the State Department's warrior princess, declared that Iran is transforming from a theocracy to an outright military dictatorship. Clinton's statement came after the Senate overwhelmingly voted for punitive sanctions against Iran including denying the Iranian people essential household items such as gasoline.

Hostilities with Iran are nothing new. In 1953 the CIA overthrew Iran's democratically elected government and replaced it with a cruel dictatorship in order to control the country's energy resources. The resulting 1979 Islamic revolution was a black mark against the subversive and hostile policies of neons in Washington, D.C. The 1981-88 Iran-Iraq war financed by Washington to arm Saddam Hussein confirmed the suspicions of many Iranians that the overarching agenda is to capture Iranian natural resources and install a puppet government.

Propaganda outlets such as *The New York Times*, *CNN* and *The Boston Globe* ceaselessly propagate the canard that Iran threatens Europe and is likely to launch a missile attack on European continent at some point in future. Then, they argue that we need to install missile defenses in Europe, controlled by NATO, to protect our European vassals. Are Iranians such lunatics that they would launch an attack on Europe for no reason?

Iran represents a 2,700 year old civilization and except for a brief incursion against the Greeks in 545 B.C., under Cyrus the Great, Iran has never committed an act of aggression against Europe. The European Union has seven times the population, 50 times the GDP of Iran, and possesses hundreds of nuclear missiles while Iran has none. The EU is more than 1,000 miles away and does not share any borders with Iran, yet Washington, through NATO, continues to arbitrarily decide who Europe's enemies are. To date no Iranians, who are 90 percent Shiite, have been implicated in any terror or suicide bombings in Europe or North America.

Iran's internal and external environment

is precarious. Besides American encirclement, Iran's Shiite population is surrounded by hostile and extremely radicalized Sunni Arabs, Turks, Pashtuns and Punjabis, whose explosive birth rates between 4-7 children per woman far outpace Iran's replacement rate fertility of 2.1 children per woman. And although the Iranian population of 72 million is young, with a median age of 27 years, and likely to grow to 90 million by 2030, this Shia-Sunni demographic divide between a Shiite Iran and its Sunni neighbors poses formidable long term security challenges.

There has never been a natural Iran-Israel enmity, unlike the chronically malignant Arab-Israeli conflicts.

Iran's arable land is a meager 10.1 percent of its territory, making it extremely vulnerable in food security and infrastructure. Its dilapidated military and industrial base is increasingly reliant on Chinese money and technology, while its best and brightest people are emigrating to North America and Europe — a persistent brain drain. Recently, Iran's poor and middle-class have been engaging in mass protests, demanding jobs and a decent life.

Faced with such perilous circumstances, Iran's theocratic oligarchy has been fearful that its three decades long misrule might lead to an imploding Iran. To channel the Iranian people's frustration in this encircled and isolated environment, the mullahs fall back to their tried and tested policy of projecting Israel as Iran's arch foe. They sell this idea as a Jewish-Islamic struggle in a failed attempt to build a grand Arab-Iranian Shia-Sunni coalition against the Israeli "occupier."

From a strategic perspective there has never been a natural Iran-Israel enmity, unlike the chronically malignant Arab-Israeli conflicts. Iran, which is more than 600 miles away from Israel, never had any historic, economic or territorial competition with it.

Yet Iran frequently wages proxy wars against Israel through Hamas and Hezbollah terror groups to retaliate against 60 years of American subversion and encirclement. Israel, on the other hand, does not possess any strategic depth and a large population base like China, India or U.S. and justifiably believes that its 200+ nuclear weapons are necessary to prevent any miscalculation by its neighbors.

Iran also can't help but feel singled out. Neighbor Pakistan has been allowed to build a vast nuclear arsenal, and up until recently, has been practically running a nuclear Wal-Mart throughout Asia and Africa — all with Washington's tacit blessing. Recently, an exasperated Secretary of Defense Hillary Clinton demanded to know why Pakistan's state managed media and TV channels feature anti-American and anti-Israeli vitriol almost on a daily basis while its elaborate network of radical madrassas continue to propagate violent jihad against "infidels." All the while, Pakistan is receiving billions of dollars in annual American largesse, giving further credibility to Iranian accusations of hypocrisy.

Iranians therefore suspect that American accusations are merely a ploy, and the hidden agenda is seizing Iran's energy resources and its sovereignty to expand the American empire.

We should promote sustainable development rather than pursue warmongering under the guise of democracy.

If we bomb Iran at this moment, it will unleash massive world-wide energy crises and we will get hopelessly mired in an unending quagmire from Suez to Peshawar. According to Xinhua News Agency, elements in Chinese military establishment have strongly urged to use the more than \$2 trillion reserves as a lethal weapon to unleash a dollar crisis to precipitate America's rapid decline and further destabilize the international order.

Several leading strategic experts contend that we are burning close to a trillion dollars every year maintaining our draining empire. These costs are hidden in State, Defense and Energy Department budgets and are unsustainable and counterproductive to our national defense and strategic interests.

Instead of threatening Iran with war and military strikes, it is time to dissolve our empire and bring back all of our weapons and close to half million troops from Europe, Africa and Asia, including Iraq and Afghanistan. Withdrawal of the American war-machine coupled with banning weapons sales to Middle East regimes except Israel will inevitably and swiftly lead to collapse of Iran's theocratic regime since it will no longer be able to rally the fed-up masses around bogus anti-Israeli, anti-American rhetoric.

American peacekeeping troops could serve in Cyprus, Egypt, Jordan and Bahrain to secure Israel's immediate neighborhood, eliminate threats from Hamas and Hezbollah, and patrol the energy corridors in Persian Gulf. A few islands in Pacific such as Guam and Okinawa could be used as remote outposts to monitor and deploy against Chinese strategic weapons and secure a permanent presence in the Pacific. The savings of hundreds of billions of dollars could be used to pay off debt, rebuild our industrial base and reduce our dangerous dependency on foreign credit.

It would be a far more noble and conducive approach for American NGOs to work with liberal Islamic charities and NGOs to promote one-child policy in Southern Asia and Africa and sustainable development through education, health and infrastructure than to pursue warmongering and bankrupting neocon doctrine to provoke and occupy entire regions for decades on end and murder millions of civilians around the world under the guise of spreading freedom and democracy. Europe and Israel's long term objective should not be some broken centrifuge in Iran, but unsustainable and perilous demographics in their respective neighborhoods and within their borders.

Anurag Maheshwari was a postdoctoral fellow in the Department of Biological Engineering.

UA UPDATE

Campaigns, composting, and N.E.R.D

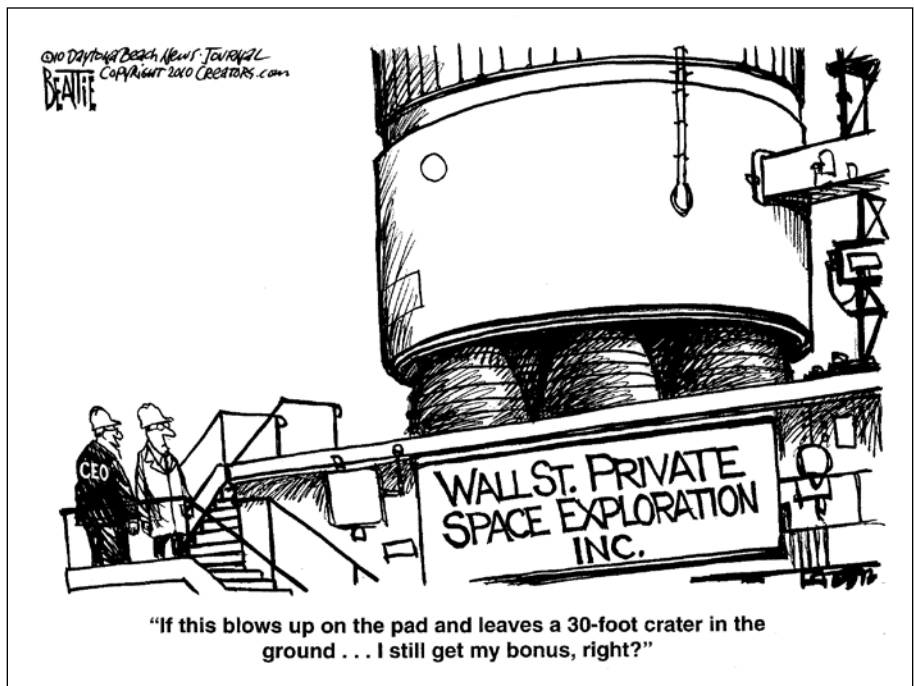
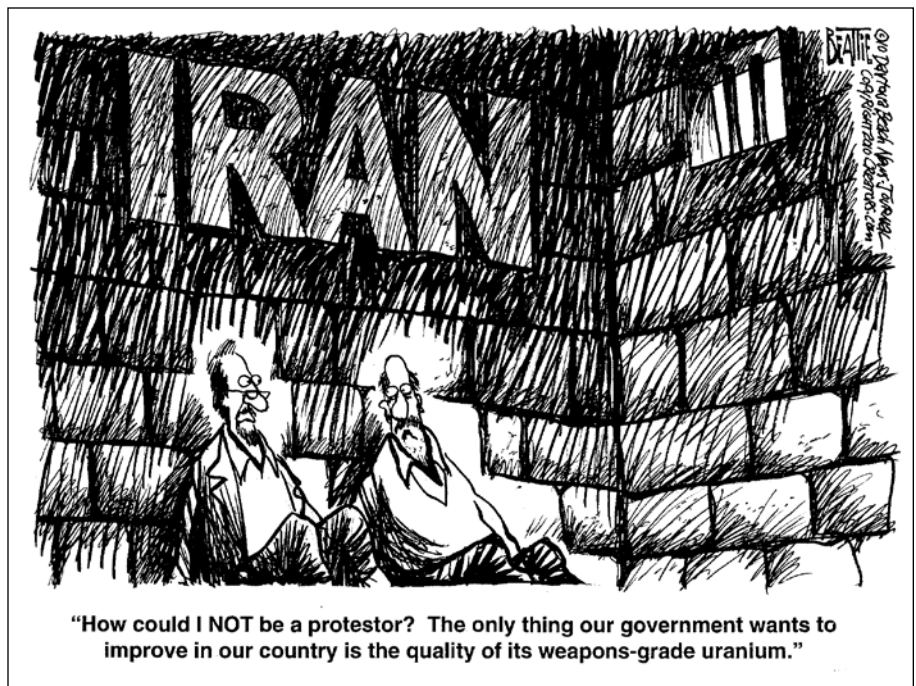
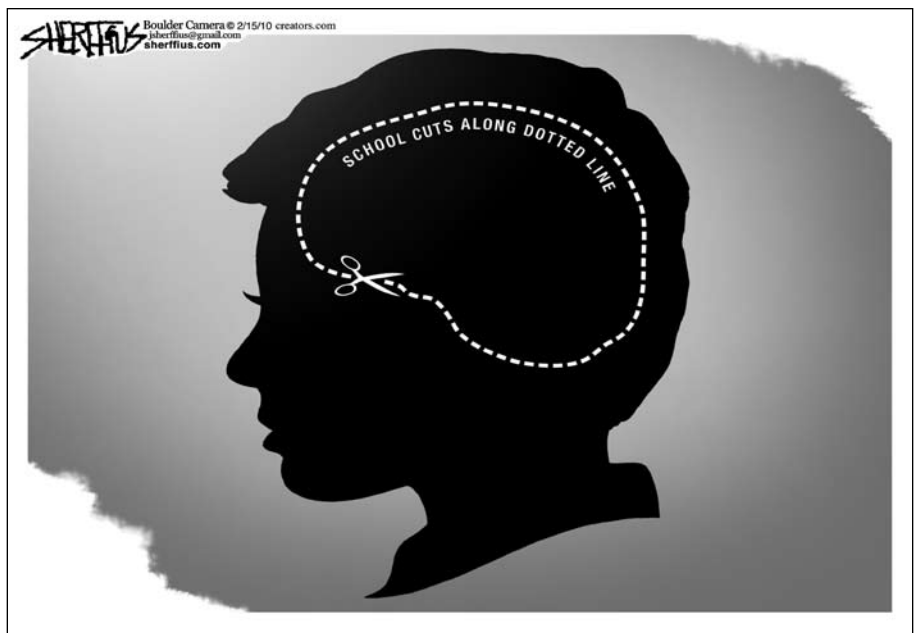
Composting at MIT is expanding! Composting facilities are now available at Cafe Four and in Stata. Additionally, there are compostable take-out containers at many on-campus dining locations: Bosworth's, Cafe Four, Steam Cafe, Stata, and Refresher Course.

Candidates for UA President, Vice-President, and class councils need to submit signatures, platform statements, and photographs by Friday, February 26 at 5 p.m in the UA office (W20-401).

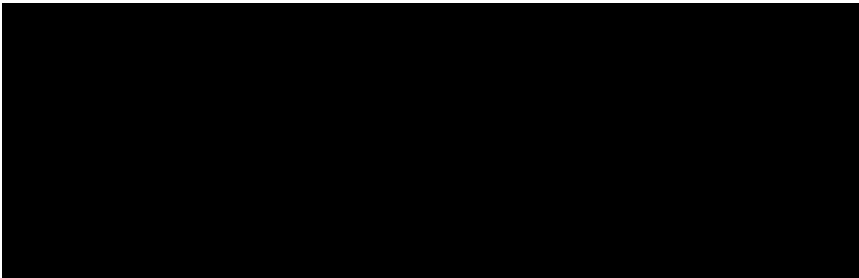
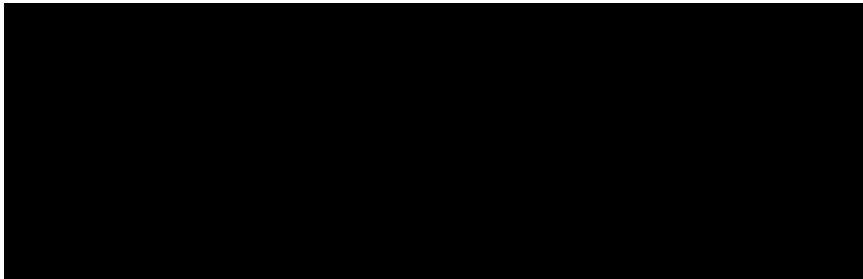
Questions should be e-mailed to *ua-elect@mit.edu*.

Pre-sale tickets for the 2010 Spring Weekend Concert featuring N.E.R.D will be available to students for \$10 starting March 1. Super Mash Bros. is opening. Tickets will be available through the SAO ticketing website: <http://sao.mit.edu/tickets/>.

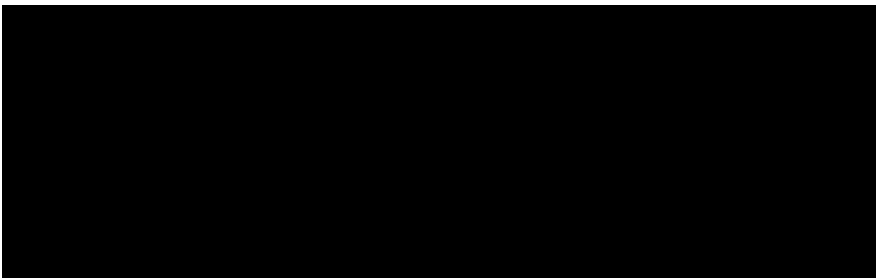
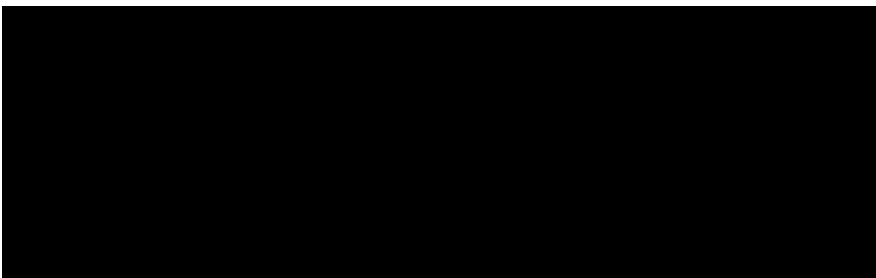
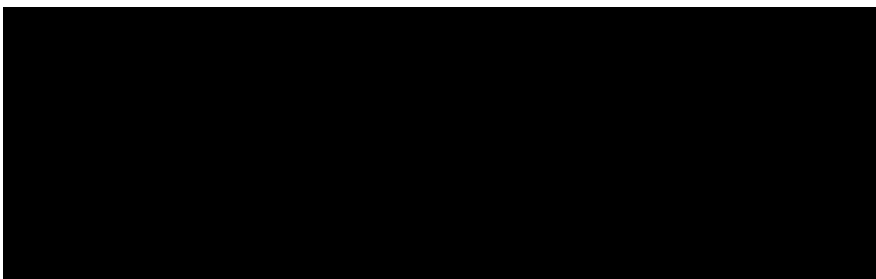
— Elizabeth A. Denys,
UA Secretary General



Doonesbury BY GARRY TRUDEAU



Dilbert® by Scott Adams



Crossword Puzzle

Solution, page 14

ACROSS

- 1 Hurt
- 7 Immigrant's subj.
- 10 Scottish Gaelic
- 14 Dennis of "Brewster's
Millions"
- 15 Actress Ruby
- 16 Atlas contents
- 17 Harry Anderson sitcom
- 19 See 12D
- 20 Give out
- 21 Track down
- 23 Writer Levin
- 24 Of the nose
- 26 Outfielder Kirby
- 28 Ms. Thurman
- 30 Quick training session
- 32 Bookstore section
- 34 Wrap up
- 35 "M*A*S*H" star
- 36 Track org.
- 38 Protest-singer Phil
- 42 Harrumph!
- 45 Brownie pic
- 48 Gem in the

Smithsonian
52 Frozen
53 Leading
54 Chick of jazz
56 Luau loop
57 Edberg of tennis
59 Links grp.
62 Ms. Minnelli
64 "Norma Rae" star
66 Adam's garden
67 Simile center
68 Like the Tower of
London
69 Cooking fat
70 Singer Ritter
71 Feels

DOWN

- 1 Sharpen
- 2 Actor Tamiroff
- 3 Elton's real first name
- 4 Conductor Zubin
- 5 Young newt
- 6 Assert
- 7 Part of NEA

- 8 Lofty angel
- 9 Paper money
- 10 Common center?
- 11 Sword with a double edge
- 12 With 19A, part of 17A, 30A, 48A and 64A
- 13 Landed manor
- 18 Comic French comment
- 22 MBA course
- 25 VMI, e.g.
- 27 Acclaim
- 28 Made in the __
- 29 Torme or Tillis
- 31 Burst of energy
- 33 Pen name?
- 37 West Coast-based petroleum company
- 39 Faddish plants
- 40 Ad __ committee
- 41 Pigs' digs
- 43 Fussess
- 44 Alludes to
- 46 Fake names

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					

47 Medical info bible	in 2000
48 Ancient Jewish rabbi	58 Linen source
49 Iroquois tribe	60 Jubilation
50 Celebrix maker	61 Tacks on
51 Command to relax	63 Up-coming connector
55 Cuban boy in the news	65 Adversary

Easy Sudoku

Solution, page 14

	2	4			3			9
							5	1
			8	1		3		7
6			5					
8	1		3		9		6	5
					1			3
4		3		7	6			
2	6							
9			2			4	7	

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Hard Sudoku

Solution, page 14

7						3		8
			7	5		1	6	9
		1				5		
2		6	9	7		8		
		4		1	6	2		3
		2				7		
5	8	7		2	4			
1		3						5

***Love Actually* for Feb.14th? Think again.**

Are they copycats, or merely derivative?

and subjective. It is the difference between Vampire Weekend ripping off Islands and early *Of Montreal* albums sounding like *A Hard Day's Night* (1964). In some ways, I think that the only way to judge is to hear the band's own opinion of themselves and see whether they attribute any credit to their obvious source material. Regardless of whether you think *We Were Promised Jetpacks* is as earnest as they sound on their album, considering their meteoric rise and wide-appeal, they are definitely a band worth following.

MOVIE REVIEW

All the old tropes, none of the horror

Wolfman follows the werewolf-movie formula but forgets the most important ingredient: good acting

By Emily Nardoni
STAFF WRITER

There has been a lot of hype leading up to the Universal Studios' remake of the classic motion picture *The Wolf Man*. Though there have been a smattering of werewolf movies throughout the decades, the only one that's really embedded itself in American culture was the original *Wolf Man* (1941) featuring horror legends Lon Chaney and Bela Lugosi. The new *WolfMan* trailer promised an exciting new take on the old-school thriller, complete with a graphic transformation scene, an overly spooky setting reminiscent of the old film, and the acting talents of Benicio del Toro, Emily Blunt, and Anthony Hopkins.

Unfortunately it didn't quite work out like that. The problem I have with *The Wolfman* is not in its plot, but rather with its reliance on the formula for a traditional horror film and falling short. Movies from the 30's and 40's, like *The Wolf Man* featuring Chaney as the werewolf, *The Mummy* with Boris Karloff, *Frankenstein* (again with Karloff), and *Dracula* with the haunting Lugosi, are all remembered as cinematic masterpieces for the effect they left on the audience, rather than the genius of their screenplay. I emphasize the actors in such old films because they are an essential part of what made the films so great; the chills you get when you look into Karloff's monstrous stare and the fear you feel when Chaney played the werewolf are what keep these films relevant to modern moviegoers. These movies did not have amazing special effects, or the most interesting scripts; instead, they were frightening in their simplicity, and suspenseful for being what they were — monster movies.

Sitting in the theater of *Wolfman*, I felt like I was watching some contrived old werewolf movie with a load of unnecessary gore and special effects. The *Wolfman* centers around man who returns home to investigate his brother's death after years without contacting his family is bitten and turned into a werewolf, resulting in a myriad of bloody full moons, rioting townspeople, and unanswered mysteries. The film was at times ridiculously cheesy, with a dramatic background score playing throughout and special emphasis placed on exaggerated close-ups of the actors. In this manner, it pleads for the audience to be scared of the theatrical world created in the film, and still expects us to feel the character's heartaches. We are thrown headfirst into this dimension with nothing but words to tell us of the many plights afflicting the characters, with no time given to develop a sympathy for them that could have elevated the movie to

★★★★★

The Wolfman

Directed by Joe Johnston

Starring Benicio del Toro, Emily Blunt, Anthony Hopkins

Rated R, Now playing

a higher level. We do not get a glimpse of the happy life Gwen (Blunt) used to lead with her newly dead husband, or of the life the estranged Lawrence Talbot (Del Toro) had before abruptly returning to his ancestral home after brother's death. Unfortunately, the acting in *Wolfman* also did not live up to what it could have been. I would prescribe the problem partly as both fault in the acting itself and in the roles as written. Because the film focused so much on telling as opposed to showing, it was ineffective in achieving the atmospheric horror and brilliant character development so key to the success of traditional horror films.

While the film would obviously like to stand on its own, it makes sense for it to be judged with the knowledge that its many cliches and dramatic flares hark back to the style of the original film. The hyperbolic mob mentality displayed in Wolfman seems theatrical and questionable at best, while certain scenes are too laughable and obvious to actually be fearful. The heavy use of violence and gore provides an almost unnatural and forced juxtaposition to a movie that should be scary on a more fundamental level. If we had convincingly felt the sheer horror, disgust and pain of Talbot's situation, perhaps the movie could have worked. That is not to say there was nothing good in Wolfman. The transformation scenes were great fun, as was the climactic finale. As a generalization about the horror genre, the true thrills are often not obtained in the predictable plot itself, but the manner through which the audience is drawn into the characters' dilemmas, how convincingly they are absorbed into the world in which the characters suffer. If I had convincingly felt the sheer horror, disgust and pain of Talbot's situation, perhaps the movie could have worked. If you're in the mood for a violent werewolf movie, you might just get what you're paying for; otherwise, I'd suggest you re-watch an old classic instead.



UNIVERSAL PICTURES

Computer effects and gore in *Wolfman* distract from the film's atmospheric horror (or lack thereof).

CONCERT REVIEW

Two minds in one work

Richard Goode and Jonathan Biss play a gorgeous program of duets

By Sudeep Agarwala
STAFF WRITER

I anticipated bloodshed, broken bones, or at least tears. On Feb. 7, Jonathan Biss and Richard Goode, two of the greatest pianists alive, played a program of duets. Would these two prima donnas play nice?

Yes, and, beautifully. There was no gore that afternoon, just a cohesive unit in performing works by Schubert, Schumann, Beethoven, Stravinsky and Debussy.

The program began with Schubert's a minor *Lebensstürme*, Op. 144, a fiery tone-poem obligatorily programmatic in its eponymous narration of stormy twists in a lifetime. It's tempting to search for inconsistencies in the performances, to listen for places where one pianist got the upper hand, but the truth is that there was only perfect harmony. An early romantic-era work, *Lebensstürme* features sharp harmonic twists in the bass voices, performed by Richard Goode, which highlight harrowing melodic turns in the melody, performed by Jonathan Biss. To say that these performers complemented each other is to miss the point, somehow. Maybe the kudos should go to Schubert. Writing multiple voices for a single instrument (both pianists performed from a single keyboard) that lacks the shifts in timbre that denote different melodies is difficult. But somehow the contrasts were crystalline, the lines beautifully demarcated.

With an effulgence of cascading notes, the two next charged into Robert Schumann's Op. 86 *Six Canons*, arranged for the piano by Claude Debussy. Performing on

separate pianos for these works, Goode and Biss's constant dialogue and communication was poignantly illustrated as the two nodded and conducted each other across the lengths of the pianos. Although it's patently clear that the two pianists were successful in presenting a unified thesis of Debussy's transcription, programming may have been an issue. While Schumann's work was originally scored for multiple instruments, each with different timbres and voicing, translating the work for two very-similar pianos lost some of the contrast that may have been essential for the composer's conception of the imitative voicing.

This question of the validity of arranging for two pianos pervaded the entire afternoon. The first half of Sunday's concert ended with Beethoven's arrangement of his Op. 134 *Große Fuge* for piano duo, originally scored as the finale of his Op. 131 string quartet. Beethoven's magnum opus was questionable at its conception, trying the audience with jagged melodies, frenetic shifts in mood and daedelian counterpoint. Arranged for two pianos, Beethoven's work becomes an almost freakish show of technical prowess and sheer virtuosity. Goode and Biss tackled the substantial work with a gusto that was both frightening and impressive, yet ultimately, empty: on two pianos the work somehow becomes even more incomprehensible than the string quartet version — more an impressive wall of sound than a masterful vision of counterpoint.

Stravinsky's arrangement of his ballet *Agon* presented its own very different chal-

lenges. Arrayed for two pianos, Biss and Goode's approach for the ballet utilized the homogeneity of their piano's timbre as an asset. Stravinsky's late work, although strongly based in the rustic folk roots of the rest of his opus, teeters dangerously on the edge of serialism developed by his contemporaries in the Second Viennese School earlier in the twentieth century. Arranged for the piano, the work has a strange affect; surprisingly warm during when Stravinsky is at home in his native tone-world, stark and somehow terrifying in his experimentation with the atonality of his contemporaries. Whereas the lack in variation of timbre obfuscated the counterpoint in previous works, the homogeneity somehow facilitated the austere tone world Stravinsky thrusts us into in movements of this work.

The afternoon closed with Claude Debussy's *En Blanc et Noir*, a perfect conclusion.⁴ Scored for two pianos, Debussy's work exploits the two instruments for their collective capacity as a unified orchestral instrument, scoring a symphonic tone poem in the considerably more compact space of two keyboards. In Goode and Biss's experienced hands, Debussy's work took on the presence and appeal of a multiple piece ensemble, conducted from a single podium. Certainly technically impeccable, what was more intriguing was the treatment of the different melodies — military calls were answered by triumphant reprisals of Lutheran hymns. Swelling runs achieved their climax in an almost preternatural understanding of the abilities and motives of the two musicians.

Richard Goode and Jonathan Biss

Performing duets by Schubert, Schumann, Beethoven, Stravinsky and Debussy

New England Conservatory, Jordan Hall

February 7, 2010

Sunday afternoon's performance, well attended despite the impending Superbowl, was greeted by enthusiastic applause. The pianists rewarded the audience with an encore of Schumann's Op. 85 *Abendlied*.

Boston's 2009-10 Celebrity Series continues on Sunday, 21 February, with a performance by Emerson String quartet members David Finckel and Philip Setzer, joined by pianist Wu Han, playing an all-Schubert program at New England Conservatory's Jordan Hall.

[†]Goode and Biss, or whoever decided what they were going to play, is a genius, although there's no good way to discuss it: melodically centered Schubert, followed by contrapuntal/serialist Schumann, Stravinsky, concluding with a narratively-themed Debussy all centered around the prophetic claims that Beethoven extols in his *Große Fuge* — A B || B A. See? Genius. Neither James Joyce nor Vergil could have done better.



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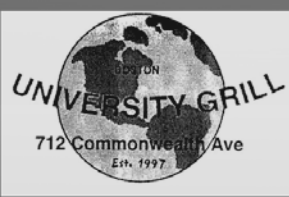
Teams:

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Prof. Patrick H. Winston’s questions to the Administration at Wednesday’s Faculty Meeting

Concerned by what I perceive to be a steady erosion of MIT culture and values, I resolved again to question the Administration, this time during the question and comment period at the end of the Faculty Meeting on 17 February 2010. I posed my questions extemporaneously and wrote them down from memory an hour or so later.

I have two questions, both of which I am reluctant to ask, for various reasons. However, I feel compelled to ask them, also for various reasons, one of which is the doctrine of implied consent.

Both questions are derived from my reading of the September/October 2009 issue of the Faculty Newsletter.

One article described the layoff of Dean Jackie Simonis. I do not know Dean Simonis personally, but I know she was at MIT for 23 years and that she was highly valued and respected by many MIT Faculty for her service as a counselor to students in need of help, many very seriously in need of help. I am told that she has sharp edges and is inclined toward being outspoken, but perhaps none of that is material.

What drew my attention was the description in the Faculty Newsletter of her layoff on 22 June 2009:

“[She] went to a scheduled meeting...Jackie was told that her position had been eliminated for financial reasons, that she was being laid off, and that her last day at work was that day. She was told that she was expected to be available to coordinate the transfer of her responsibilities while working from her home. She was not allowed to speak with her colleagues in private, nor to return to work in her office...”

My first reaction was, “Well, somebody is sure to be taken behind the woodshed and get a good thrashing for this.”

Then, I turned to the very next page of the Faculty Newsletter, and read the juxtaposed article by the Chancellor, presumably speak-

ing for the Administration, who wrote:

“All of the layoffs in student life were the result of budget reductions...The layoffs, at all levels, were initiated and conducted according to Institute policies and procedures, in consultation with, and with the full participation by, MIT Human Resources. The process is consistent with MIT culture and values.”

This leads me to my first question: Exactly when and by whose direction were adjustments made so as to bring the treatment of Dean Simonis within the scope of our culture and values?

I anticipate that we will not hear a full answer to this question for legal reasons. This troubles me greatly. My father, who was himself a small-town lawyer, told me when I was a small boy, “Patrick, a good lawyer can keep you out of jail, but no lawyer can get you into heaven.”

By extension I suggest that a good lawyer can guide this Institution away from litigation, but no lawyer can guide us toward greatness. That comes from our better angels, not from law books.

In any case, you of the Administration have had nothing more to say on the matter since the Chancellor’s article appeared. There has been no apology, no statement of regret, and no indication of remorse.

The natural consequence is that hundreds of our best people at MIT are saying “If it could happen to Dean Simonis, it could happen to me.” They are asking themselves, “If I am too outspoken, will I find myself on the next list of people to be laid off for financial reasons?”

This brings me to my second question: What specifically have you done, or do you plan to do, if anything, to assuage the widespread fear among our people that they will be treated like Dean Simonis, in a manner that seems to me to be not at all in accord with MIT’s culture and values?

SOURCE: [HTTP://CSAIL.MIT.EDU/~PHW](http://CSAIL.MIT.EDU/~PHW)

No answer for Winston’s q’s

Citing legal concerns, Clay declines to comment

Winston, from Page 1

at MIT for 23 years.

Clay’s written response said that “all of the layoffs in student life were the result of budget reductions...the layoffs, at all levels, were initiated and conducted according to Institute policies and procedures, in consultation with, and with the full participation by, MIT Human Resources. The process is consistent with MIT culture and values.”

Winston read both excerpts and went on to ask, “Exactly when and by whose direction were adjust-

ments made so as to bring the treatment of Dean Simonis within the scope of our culture and values?”

He asked a second question: “What specifically have you done, or do you plan to do, if anything, to assuage the widespread fear among our people that they will be treated like Dean Simonis, in a manner that seems to me to be not at all in accord with MIT’s culture and values?”

Chancellor Clay responded to Winston noting that legal concerns prohibited a specific response, and proceeded to discuss issues involved in changes at Student Sup-

port Services and the S^3 task force, but not MIT’s treatment of Simonis.

Winston told *The Tech* that Clay’s “response did not seem responsive.”

Chancellor Clay, citing the “off the record” nature of this portion of the meeting, declined to comment, out of concern for damaging the “free and frank exchange” between the faculty and the Administration.

Clay also declined to respond to the public version of Winston’s questions from Winston’s web page.

Simonis did not respond to an e-mail inquiry sent Thursday afternoon.



ELIZABETH D'ARLENZO

Swiss Ambassador Peter Maurer spoke about challenges facing the United Nations on Wednesday in Building E40. The talk was sponsored by the MIT Center for International Studies.



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REBUILDING HAITI

MIT Scholars Discuss Haiti’s Future



Tues, Feb 23 4p - 5:30p
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Police Log

The following incidents were reported to the Campus Police between Jan. 1 and Feb. 15. The dates below reflect the dates incidents occurred. This information is compiled from the Campus Police’s crime log. The report does not include alarms, general service calls, or incidents not reported to the dispatcher.

- Oct. 24

Bldg. W7 (362 Memorial Dr.), 7:04 a.m., backpack stolen.
- Nov. 11

Bldg. NW86 (70 Pacific St.), 6 p.m., boyfriend/girlfriend argument, no injuries, refusal of restraining order.
- Dec. 1

Bldg. NE49 (600 Tech Sq.), 12 p.m., laptops stolen from office.
- Dec. 9

Bldg. 48 (15 Vassar St.), 3 p.m., camera stolen.
Bldg. NE49 (600 Tech Sq.), 1:10 p.m., credit card stolen.
- Dec. 16

Bldg. 48 (15 Vassar St.), 3 p.m., laptop stolen.
- Dec. 20

Bldg. W51 (410 Memorial Dr.), 11 a.m., breaking and entering.
- Dec. 21

Bldg. 32 (32 Vassar St.), 6 p.m., larceny of camera.
- Dec. 23

Bldg. W20 (84 Massachusetts Ave.), 1 p.m., damage to posters.
- Dec. 30

Bldg. N51 (275 Massachusetts Ave.), 4 p.m., photo equipment stolen.
- Dec. 31

Bldg. NE49 (600 Tech Sq.), 12 p.m., wallet stolen.
West Lot (301 Vassar St.), 3 p.m., vans vandalized.
- Feb. 1

Bldg. 46 (46 Vassar St.), 12:37 a.m., breaking and entering of a room.
Bldg. NW21 (190 Albany St.), 5:34 p.m., after a disturbance behind NW21, David Keenan of 240 Albany St., Cambridge, MA taken into custody on an outstanding default warrant.
Bldg. E52 (50 Memorial Dr.), 2:44 p.m., tool boxes broken into.
- Jan. 2

Bldg. 18 (21 Rear Ames St.), 5 p.m., iPod stolen.
Bldg. N51 (275 Massachusetts Ave.), 3:20 p.m., glass and wood broken.
- Jan. 4

Bldg. 68 (31 Ames St.), 9:19 a.m., racist graffiti.
Bldg. NE49 (600 Tech Sq.), 3:03 p.m., wallet stolen from office area.
Bldg. W35 (100 Vassar St.), 4 p.m., wallet stolen from men’s locker room.
Bldg. W35 (100 Vassar St.), 8:15 a.m., iPhone stolen from men’s locker room.
- Jan. 5

Bldg. 32 (32 Vassar St.), 10 a.m., \$60 cash stolen from coat.
Bldg. 4 (160 Memorial Dr.), 4 p.m., unattended laptop stolen.
- Jan. 6

Bldg. E51 (70 Memorial Dr.), 9:13 p.m., John Julian of 240 Albany St., Cambridge, MA arrested at 238 Main St., Cambridge for aggravated assault and other related charges.
Bldg. W51 (410 Memorial Dr.), 12:37 p.m., harassment reported.
- Jan. 7

Bldg. W70 (471 Memorial Dr.), 12 p.m., MIT ID stolen.
Bldg. W7 (362 Memorial Dr.), 7:33 a.m., bicycle stolen.
- Jan. 8

Bldg. 64 (21 Ames St.), 3:30 p.m., tools stolen.
Bldg. W20 (84 Massachusetts.), 8:45 p.m., purse stolen.
Bldg. W89 (291 Vassar St.), 4:42 p.m., harassment reported.
- Jan. 12

Bldg. W89 (291 Vassar St.), 9 a.m., women’s handbag stolen.
- Jan. 13

Bldg. 13 (105 Rear Massachusetts Ave.), 8 a.m., bicycle stolen.
- Jan. 15

Bldg. 37 (70 Vassar St.), 9:26 p.m., trespass warning issued to persons on third floor.
Bldg. 37 (70 Vassar St.), 9:45 p.m., routine field stop, trespass warning issued.
Bldg. W20 (84 Massachusetts Ave.), 8:02 p.m., two suspicious persons in Student Center lounge given trespass warning.
- Jan. 16

Kappa Sigma (407 Memorial Dr.), 3:09 a.m., unwanted persons in house broke window before leaving.
- Jan. 17

Bldg. 16 (Vassar St.), 9:30 p.m., BlackBerry phone stolen from hallway.
Bldg. E2 (70 Amherst St.), 7 p.m., wallet stolen from room.
Bldg. W85 (540 Memorial Dr.), 4 p.m., bike stolen.
Phi Beta Epsilon (400 Memorial Dr.), 11 p.m., coat stolen.
- Jan. 20

Bldg. 50 (142 Memorial Dr.), 9 p.m., attempted break-in to a room, damage to door.
- Jan. 23

Bldg. 7 (77 Massachusetts Ave.), 4:27 p.m., Mustapha Zugui reported as suspicious person, taken into custody on outstanding warrant.
- Jan. 24

Bldg. 7 (77 Massachusetts Ave.), 4:27 p.m., Mustapha Zugui reported as suspicious person, taken into custody on outstanding warrant.
- Jan. 25

Bldg. 2 (182 Memorial Dr.), 9 a.m., computer monitors stolen.
Bldg. W35 (100 Vassar St.), 10:30 a.m., iPhone stolen.
Bldg. W35 (100 Vassar St.), 9:30 a.m., wallet stolen from unlocked locker.
Bldg. W89 (291 Vassar St.), 12 p.m., bike stolen from Westgate bike rack.
- Jan. 27

Amherst St. 7:50 a.m., vehicle stolen out of Belmont recovered on Amherst St.
Bldg. 10 (122 Memorial Dr.), 9 a.m., dolly stolen.
Bldg. 4 (182 Rear Memorial Dr.), 4:30 p.m., damage to bulletin board.
- Jan. 29

Bldg. E52 (50 Memorial Dr.), 5:56 p.m., harassing e-mails.
- Jan. 30

Bldg. W35 (100 Vassar St.), 10:45 a.m., backpack stolen from locker area.
Bldg. W35 (100 Vassar St.), 7:30 p.m., larceny.
Bldg. NW35 (235 Albany St.), 1:54 p.m., annoying e-mails.
- Jan. 31

Bldg. 7 (77 Massachusetts Ave.), 8 a.m., suspicious activity.
- Feb. 2

Bldg. 10 (77 Massachusetts Ave.), 2:30 p.m., equipment stolen from construction area.
- Feb. 3

Bldg. 14 (160 Memorial Dr.), 3 p.m., desktop computer stolen from office.
Bldg. 2 (182 Memorial Dr.), 5 p.m., ongoing graffiti problem.
Beta Theta Pi (119 Bay State Rd.), 11:10 p.m., bike stripped of parts.
Bldg. W51 (410 Memorial Dr.), 2 a.m., wallet stolen from room.
- Feb. 4

Bldg. E15 (20 Ames St.), 6 p.m., monitor stolen.
- Feb. 5

Bldg. 39 (60 Vassar St.), 4 p.m., Wii stolen.
Westgate Lot 5:32 p.m., breaking and entering reported in a vehicle in the Westgate lot. Two white males observed running in the area and leaving in a beige Jeep.
- Feb. 6

Chi Phi (32 Hereford St.), 11:45 p.m., unruly crowd reported. Leandro Michael Garcia of 50 Leon St., Boston, MA arrested for disorderly conduct.
- Feb. 8

Bldg. W35 (100 Vassar St.), 3:30 p.m., iPod stolen from men’s locker room.
Bldg. NW10 (143 Albany St.), 11:30 a.m., wallet stolen.
Bldg. W20 (84 Massachusetts Ave.), 3:30 p.m., laptop stolen.
Bldg. W35 (100 Vassar St.), 3:45 p.m., wallet and iPhone stolen from locker.
Bldg. W85 (Memorial Dr.), 6:28 p.m., mountain bike stolen.
- Feb. 10

Bldg. 32 (32 Vassar St.), 1:04 p.m., three skateboarders in basement were escorted off property and issued a trespass warning.
Bldg. 39 (60 Vassar St.), 9:30 a.m., laptop stolen.
Bldg. W35 (100 Vassar St.), 10 a.m., bicycle stolen.
- Feb. 11

Bldg. 54 (21 Rear Ames St.), 12:30 p.m., cell phone stolen.
Bldg. 56 (21 Rear Ames St.), 12 p.m., attempted larceny of projector.
- COMPILED BY MICHAEL MCGRAW-HERDEG



The VERITAS FORUM @



2010

what is
FREEDOM?

FRI 2/19
7pm 10-250

Minding our Morals: Freedom and the Brain

Harvard atheist psychologist **Steven Pinker**
and Stanford Christian neuroscientist **William Hurlbut**
discuss science, freedom and morality.

Moderated by **Ian Hutchinson**,
Professor of Nuclear Science and Engineering
Co-sponsored by the Department of Linguistics and Philosophy

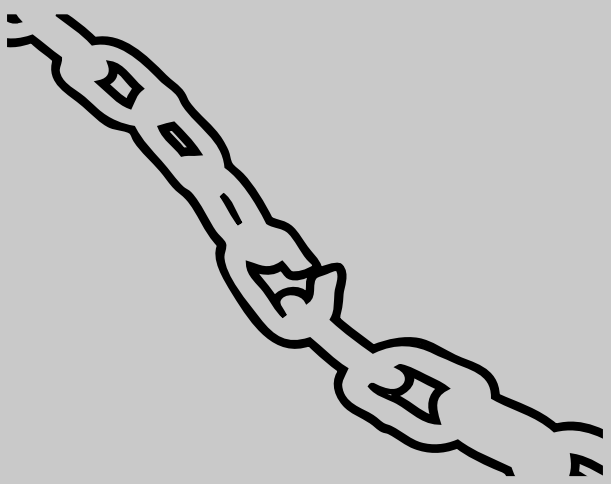


SAT 2/20
7pm 32-123

Freedom: In Body or In Spirit?

Former slave, now activist **Beatrice Fernando**
shares her experience and explores slavery and freedom,
both physical and spiritual.

Moderated by **Annette Kim**, Associate Professor of
Urban Studies and Planning in the International Development Group



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exists to engage students and faculty in
discussion about life's hardest questions and
the relevance of Jesus Christ to all of life



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Bells will ring again

Kendall, from Page 1

e-mails were sent out soliciting interest from students. Michael J. Tarkanian, a technical instructor from the Department of Materials Science and Engineering, was recommended to be the supervisor of the project.

“We have a core group of about 20 students — most of them are DMSE students, since that is my department,” said Tarkanian.

Within that group of 20, Tarkanian selected 7 students who will go into the Kendall T station to remove and reinstall the instruments and their parts. The group includes: Jack L. Jester Weinstein '12, Rachel M. Martin '11, Nathan S. Lachenmyer '10, Quentin Smith '10, Daniel J. Sauza '11, Maxwell S. Mann '12, and Shaymus W. Hudson '12.

“We had to go through special

training by the MBTA to work on the tracks,” said Hudson. “Now we are waiting for an OK from the MBTA for us to get to work.”

“The MBTA has been extremely accommodating during this process and really wants to see the project work,” said Tarkanian.

The project is expected to begin in about a month. The team will first, remove, fix, and reinstall the handles and actuation mechanisms. Then they will start working piece by piece to restore the bells.

The entire project could take several years, Tarkanian said.

“I think we will be able to get the instruments functional over the span of a few months,” he said, “but our longer term goal is to complete refurbish and document each instrument. That will be a much longer project, on the order of years.”



FENG WU—THE TECH

Staff and cast members of this year's production of *The Vagina Monologues* sell Valentine's Day memorabilia in the Stata Center during an intermission last Sunday. They are raising money for local organizations working to curb violence against women.



ARFA AIJAZI—THE TECH

Sara Quin, of the indie pop-rock duo *Tegan and Sara*, plays the group's 2004 hit “Walking with a Ghost” during a concert at the Orpheum Theatre in Boston on Feb. 13. The band's new album, *Sainthood*, was released in October.



MENG HENG TOUCH—THE TECH

MIT's Senegalese percussion group *RAMBAX* performs during Pulse 2010, MIT's annual Black Culture Show, in Kresge Auditorium last Saturday. Pulse 2010 was the culmination of Black Week and featured performance groups from MIT, Harvard, Boston University, Berklee College of Music, and Boston College.

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Building #NW35

7:30-10:30pm Every Friday

21+ Event

(Local and regional musical talent from the Boston-greater area)

21+ Event

Solution to Hard Sudoku

from page 7

7	5	9	2	6	1	3	4	8
4	2	8	7	5	3	1	6	9
3	6	1	4	9	8	5	7	2
2	3	6	9	7	5	8	1	4
8	1	5	3	4	2	6	9	7
9	7	4	8	1	6	2	5	3
6	4	2	5	3	9	7	8	1
5	8	7	1	2	4	9	3	6
1	9	3	6	8	7	4	2	5

Solution to Easy Sudoku

from page 7

1	2	4	7	5	3	6	8	9
3	7	8	9	6	4	2	5	1
5	9	6	8	1	2	3	4	7
6	3	9	5	2	7	8	1	4
8	1	2	3	4	9	7	6	5
7	4	5	6	8	1	9	2	3
4	8	3	1	7	6	5	9	2
2	6	7	4	9	5	1	3	8
9	5	1	2	3	8	4	7	6

Solution to Crossword

from page 7

H	A	R	M	E	D	E	S	L	E	R	S	E		
O	K	E	E	F	E	D	E	E	M	A	P	S		
N	I	G	H	T	C	O	U	R	T	S	P	O	T	
E	M	I	T	L	O	C	A	T	E	I	R	A		
		N	A	S	A	L	P	U	C	K	E	T	T	
U	M	A		C	R	A	S	H	C	O	U	R	S	E
S	E	L	F	H	E	L	P	E	N	D				
A	L	D	A		A	A	U		O	C	H	S		
		B	A	H		S	N	A	P	S	H	O	T	
H	O	P	E	D	I	A	M	O	N	D	I	C	Y	
I	N	F	R	O	N	T		C	O	R	E	A		
L	E	I		S	T	E	F	A	N		L	P	G	A
L	I	Z	A		S	A	L	L	Y	F	I	E	L	D
E	D	E	N		A	S	A		M	O	A	T	E	D
L	A	R	D		T	E	X		S	E	N	S	E	S



ERIC D. SCHMIEDL—THE TECH

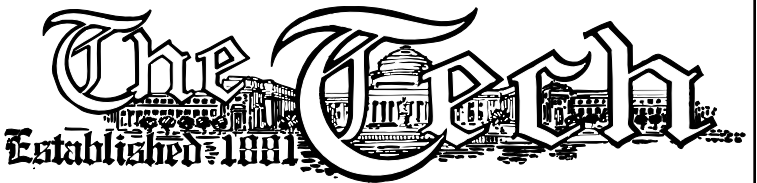
In honor of the 80th anniversary of Pluto's discovery, hackers installed a motorized solar system mobile in Lobby 7 on Thursday. They also adorned the Lobby 7 pedestals with birthday-themed paraphernalia. Two other “dwarf planets,” Eris and Makemake, are Pluto's birthday party guests.



Keith T. Loebner '11 painted his face MIT red to support the volleyball team. MIT fans lampooned Harvard throughout the game with lines such as "Grade Inflation! Grade Inflation!"



Sarah L. Sprague '13 led MIT in the women's 3,000 meter run in the coed track and field invitational on Feb. 13..

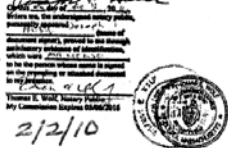


join@tech.mit.edu

the fermat puzzle

$$\begin{aligned} x^n + y^n &= z^n, \quad n = \text{prime} > 3 \\ (x^n + y^n)^3 &= (z^n)^3 \\ (x^n)^3 + 3x^n y^n + (y^n)^3 &= (z^n)^3 \\ (x^3)^n + 3x^n y^n + (y^3)^n &= (z^3)^n \\ (x^3 + y^3)(x^{3(n-1)} + \dots + y^{3(n-1)}) + 3x^n y^n &= (z^3)^n \\ (z^3)(A) &= (z^{3n}) - 3x^n y^n \\ (z^3)(A) &= z^3 (z^{3(n-3)} - 3x^n y^n z^{3(n-3)}) \\ [(z^3)(A)]^{\frac{1}{3}} &= [z^3 (z^{3(n-3)} - 3x^n y^n z^{3(n-3)})]^{\frac{1}{3}} \\ z(A)^{\frac{1}{3}} &= z, (z^{3(n-3)} - 3x^n y^n z^{3(n-3)})^{\frac{1}{3}} \end{aligned}$$

claim: z_2, z_1 are irrational



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Alloy Orchestra

performing live to *Man with a Movie Camera*
Saturday, February 27, 2010 at 8pm
Somerville Theatre, Davis Square

Dziga Vertov's groundbreaking film, *Man with a Movie Camera*, has influenced the generations of films that came out since the silent era. The film's rapid editing and nonstop energy provide the perfect subject for what many believe is Alloy's best score ever. And now a gorgeous new print from the Moscow Film Archive makes this show a "must see" event.

Alloy Orchestra is a 3-man musical ensemble, writing and performing live to classic silent films. An unusual combination of found percussion and state-of-the-art electronics gives the Orchestra the ability to create any sound imaginable. Utilizing their famous "rack of junk" and electronic synthesizers, the group generates beautiful music in a spectacular variety of styles. They can conjure up a French symphony or a simple German bar band of the 20's. The group can make the audience think it is being attacked by tigers, contacted by radio signals from Mars or swept up in the Russian Revolution.

1 ticket per valid MIT student ID

Tickets available at the MIT Office of the Arts (E15-205)
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VICTOR KATTAN
Foreword by Richard Falk

Introduction by Noam Chomsky

BOOK TALK WITH VICTOR KATTAN

Introduction by Noam Chomsky
Mon, Feb 22, 2010 | 4:30p - 6p
MIT Bldg 66-110

SCOREBOARD

Men's Basketball	
Wednesday 2/17	
at Wheaton College	L 84-77
Women's Basketball	
Wednesday 2/17	
at Worcester Polytechnic Institute	L 63-41
Men's Volleyball	
Monday 2/15	
vs. Lesley University	W 3-0
Wednesday 2/17	
vs. Harvard University	W 3-0

ATHLETES' CORNER

The swimming and diving teams have just wrapped up record-smashing seasons. Both men and women achieved record-high winning percentages, dominating in almost every competition this season. Nationally, the teams are ranked 5th and 6th, respectively, in Division III.

Swimmers and divers shattered ten Institute records this year, and are preparing for the NEWMAC Championships this weekend. The women's team looks to break Springfield's nine-year winning streak. The men, competing next weekend, are eager to continue their reign as 5-year NEWMAC champions.

This team, lead by Coach Dawn Dill, has been growing stronger; there are several promising freshmen this season. "We are on the cusp of seeing many great performances," Dill said.

— Diana LaScala-Gruenewald and Qing Li, team representatives



WILLIAM YEE—THE TECH

William E. Bender '12 scans the court to make a pass during the game against Coast Guard Academy on Feb. 13. MIT won 64-53 and clinched the NEWMAC regular season title. The team plays next at Springfield College on Saturday.

Alpine skiing wraps up first club season, preps for 2011

By Alexis Dale
TEAM REPRESENTATIVE

Almost a year after losing its varsity status, the alpine ski team has completed its first season as a club sport. Its six members did their best to live and train like nothing had changed; the season went according to plan and everyone is ready to work toward improving next winter.

There are many reasons IAP Training Camp the best time of the year for MIT skiers. The athletes ski six days a week. They must be in top shape to taking full advantage of every moment available to be on snow and running courses. In addition, training includes personal stopwatches, which allow both precise comparison between a series of one individual's runs, and friendly competition between teammates. During competition, the team also has the opportunity to race among the top collegiate skiers in the country.

A special highlight of this season was racing against one athlete who was preparing for the Olympic Winter Games in Vancouver this year. Dow Travers of Brown University is the first-ever representative of the Cayman Islands in the Winter Olympics. He will be skiing in the men's giant slalom event at Whistler next week.

Closer to home, the MIT team members each



finished with their own personal achievements. Michael J. Yurkerwich '11 led the men's team this season and was second in the individual qualification for the regional championships for the second year in a row. The team is confident that he will win a trip to regionals next season. Jason D. Pier '13 made a powerful first impression in the division by repeatedly finishing in the top 30 as a freshman. Ian C. Wolfe '10, men's captain, had to miss half of the team's races this season but nonetheless played a huge role in getting the club team off the ground while also racing to some of his personal best finishes.

This was the first competitive season for Kevin A. Rustagi '11. Spectator for two years, he showed the greatest improvement of anybody on the hill. Jillian R. Reddy '11, the women's captain, found in herself a more aggressive skier this year while also managing club responsibilities. Sarah J. Laderman '12 took the slogan "Hundies matter" to heart and started closing in on Reddy in giant slalom events.

Coaching the team through this transition season were alumni volunteers Benjamin A. Stewart '07, James K. Backman '09, Jessica R. Stanley '08, and Gerald D. Adler '07. They were also guided by Coach Todd O. Dumond '01 and the coaches of the McConnell Division schools.

Looking ahead to next season, the Alpine Ski Team hopes to continue to compete at the level they've maintained, and to introduce the life of skiing to many more members of the team.

UPCOMING CHAMPIONSHIPS

- | | |
|---|-------------------------------------|
| Men's and Women's Fencing: New England Championship | Saturday, 2/21 at Mount Holyoke |
| Squash: Collegiate Squash Association Team Championship | Friday-Sunday, 2/19-21 at Wesleyan |
| Women's Swimming: NEWMAC Championship | Friday-Sunday, 2/19-21 at Wellesley |
| Men's and Women's Track and Field: New England Championship | Friday-Saturday, 2/19-20 at Bates |

Men's Volleyball beats Harvard 3-0



RUI LUO—THE TECH

David R. Thomas '12 lines up for devastating spike in the third set against Harvard on Wednesday night. The Engineers swept the match 3-0. The team is on a five-game winning streak.

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