You May Be On Tape

Video Cameras Abound at Institute, But No Institute-Wide Policies Govern Usage

By John A. Hawkinson

Information Services and Technology is considering revamping the MIT e-mail system to include calendaring. IST & T is also considering changing the mail system’s infrastructure to include commercial products like Microsoft’s Exchange server, even while expressing serious concern that those products may not scale to function adequately in MIT’s demanding e-mail environment. Curiously, the mail system is based on open source software, though it includes commercial devices for spam filtering.

With seven months past since MIT’s last large-scale mail system failure, there continue to be concerns that those failures could happen again. IST & T is planning to deploy more storage hardware and mail servers to alleviate the problems that led to file system recovery taking more than a day to complete — but those changes have not yet happened.

Concurrently, IST & T continues to look at the evaluation of spam-fighting software and is piloting an evaluation of Symantec’s Brightmail spam appliance with the Sloan School.

Underneath the Ray and Maria Stata Center (Building 32), as well as in parking garages around campus, cameras exist but are defiant and unmonitored. Previously they fed the Campus Police Headquarters in W31, but when the Police moved to W39 in February 2006, they did not bring the video feeds with them.

According to Thomas W. Komola of MIT’s Security and Emergency Management Office, the prevalence of cameras in public spaces “is a problem.” Komola said that “all cameras should be on a unified policy” but that no such policy currently exists. Neither the Security Office nor the Police have a comprehensive list of cameras on campus, and there is no good way to track them down, short of walking around campus and looking around, Komola said.

Komola said that the MIT Police and Security Office have guidelines prohibiting cameras in public spaces.

Cameras at the Institute may be in use temporarily. The Department of the Institute, cameras may be even more prevalent. The Department of Chemistry has 30 cameras, mostly within Building 14, and they are integrated with their card access system.

In the case of Mathematics, the cameras record only from 7 p.m. to 7 a.m. and automatically delete their records after seven days.

In restricted departmental spaces of the Institute, cameras may be even more prevalent. The Department of Chemistry has 30 cameras, mostly within Building 14, and they are integrated with their card access system.

That system could eventually replace the Barracuda spam appliances that currently filter MIT’s e-mail.

Post office and calendaring

According to Jeffrey J. Schiller ’79, Network Manager, IST & T has formed a team to look at “issues and options” related to e-mail and calendaring services. Schiller expressed dissatisfaction with the TechTime calendaring service — IST & T’s recommended calendar software, which does not have tight integration with the mail system.

E-mail, Page 10

Red Sox manager Terry Francona waves to the crowd during Wednesday’s Rolling Rally in Boston. The rally began at Fenway Park and made its way to City Hall Plaza in Duck Boats, stopping occasionally to let star closer Jonathan Papelbon perform his now famous Irish dance. See page 15 for more photos.

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Crack cocaine offenders will receive shorter prison sentences under more lenient federal sentencing guidelines that went into effect on Thursday.

The U.S. Sentencing Commission, a panel that recommends appropriate federal prison terms, estimated that the new guidelines would reduce the federal prison population by 3,800 in 15 years. The new guidelines will reduce the average sentence for crack cocaine possession. The government estimates the cost for reducing the population by 3,800 in 15 years will be 52 cents per day for crack cocaine offenders.

The changes to the original 1987 guidelines could also add new inmates to three bills in the Senate, one sponsored by a Democrat and two by Republicans, that would reduce or eliminate mandatory minimums for simple drug possession.

By Solomon Moore

THE NEW YORK TIMES

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**Weather**

**Situation for Noon Eastern Daylight Time, Friday, November 2, 2007**

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<th>Location</th>
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**Sunday:** Mostly cloudy with a slight chance of showers early in the afternoon. High 55°F (13°C). 

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**Ambitious Everglades Rescue Is Losing Initial Momentum**

By Abby Goodnough

WASHINGTON —

The rescue of the Florida Everglades, the largest and most expensive environmental restoration project on the planet, is faltering. Seven years into what was supposed to be a four-decade, $10 billion effort to reverse generations of destruction, federal financing has slowed to a trickle. Projects are already years behind schedule. Thousands of acres of wetlands and wildlife habitat continue to disappear, paved by developers or blasted by rock miners to feed the hungry construction industry. 

The idea that the federal government could summon the will and money to restore the subtropical, sunken glade of the so-called River of Grass is disappearing, too. Supporters say the effort will get sorely needed momentum if a long-delayed federal bill authorizing $23 billion over 10 years to complete the Everglades for the first time advances in Congress. But experts expected to veto the bill, possibly on Friday. And even if Congress overrides the veto, which is likely, grave uncertainties will remain.

By Sheryl Gay Stolberg

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Japan Ends Naval Support for Military Mission in Afghanistan

By Norimitsu Onishii

The Japanese Defense Ministry ordered its naval ships from the Indian Ocean to return home on Thursday after a six-year mission in support of the war in Afghanistan. The decision was announced to the country's nation's presence overseas but has recently drawn increasing criticism from the government.

A destroyer and supply ship that had been in the Indian Ocean since 2007 departed for Japan on Thursday. The mission was part of the United States and other nations were recalled at 3 p.m. as a special law authorizing the deployment was due to expire at midnight.

The government of Prime Minister Shinzo Abe was unable to renew the law immediately because of opposition from the opposition Democratic Party of Japan, which controls Parliament's upper house in a landslide election victory during the summer.

The United States had urged Japan to extend the refueling mission, which, while largely symbolic, provided important diplomatic support for the United States, including a profound influence on the United States, which is considered a key ally.

For much of the last century, the mountainous region of Swat in northwest Pakistan has been ruled as a princely kingdom where a bizarre mix of tradition, tribalism and xenophobia have led to wars over the past two decades for the control of the region.

Swat is home to one of the most powerful militant groups in the world, the Haqqani network, which is estimated to have more than 1,000 fighters. For the first time, heavy fighting has moved beyond the mountains and into more settled areas of the country.

On Thursday, government forces backed by U.S. forces attacked about 500 militants in the area, killing about 20 of them, an official with the Ministry of Defense said. The official said the army had surrounded the village of Baran Langi, the home secretary for the North Western Frontier Province. The militants said they had been besieging the headquarters of the Frontier Corps and were holding them hostage.

The battle is part of what has become an expanding insurgency within Pakistan, said Amna Khan, senior assistant professor at the government of Gen. Pervez Musharraf rather than at the NATO and British forces. He added that the border has been a target for several years.

Many say the military is being fueled by anger over the government's handling of the Bush administration's war and the so-called "war on terror." The United States, which has provided billions of dollars in aid to Pakistan, is considered a key ally in the war on terrorism.

The conflict in Swat reflects many of the reasons why Pakistani armed forces have become such a dangerous place in recent years. The government's main strategy, the counterinsurgency strategy. So far, there is for the threat of more than 2,000 militants. They are said to pass through the Swat valley in the area. But for three months, they were intimidated and mostly inactive. Restraints on the ground were set last week by a roadside bomb that killed 17 paramilitary soldiers. That provoked the government action on the Thursday.

The government's main strategy, the counterinsurgency strategy, has been abandoned and police posts have been left unstaffed.

The New York Times

Islamic Militants Draw New Front Line Inside Pakistan's Swat Region

By Jane Perlez

The widening intimidation by militants in and around the Swat valley is particularly disturbing to Pakistan's national security forces. For the first time, heavy fighting has moved beyond the mountains and into more settled areas of the country.

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The New York Times

London Police Faulted in 2005 Killing of Brazilian Citizen on Subway Train

By Julia Werdiger

LONDON — The London police force on Thursday failed in its mission to put the public at risk during a flawed counterterrorism operation in 2005 that led to the killing of an innocent Brazilian electrician on a subway train.

Theoves Taplin, a lawyer for the family of the victim, said in a statement that the police force had failed to protect the public.

The New York Times

Colbert Off the Ballot

In South Carolina

By Katharine Q. Seelye

Stephen Colbert's nascent and nascent presidential campaign came to an abrupt end on Thursday when the Democratic Party in South Carolina decided that the comedian, who is better known for his humorous talk show, did not have to be on the ballot. Colbert had just decided to run, on the Libertarian ticket, for the California public office of his choosing.

The New York Times

Israel Destroys Seven Gaza Tunnels

By Isabel Kershner

The Israeli military said on Thursday that its forces had discovered seven tunnels running under the border between Egypt and the Gaza Strip.

Army officials said that the tunnels were used by Hamas to smuggle weapons and to move troops and supplies into the Gaza Strip, a strategic area that the group controls.

The tunnels have been a major concern for Israeli security officials, as they have been used by Hamas to attack Israeli forces and civilians. The Israeli military has been searching for tunnels since the 2014 Gaza war, which ended in a cease-fire that was mediated by Egypt.

The Israeli military said that the forces had discovered the tunnels using a combination of aerial and ground-based intelligence, including drones and other surveillance tools.

The tunnels were identified as part of a larger effort by the Israeli military to secure the Gaza Strip, which has been under a blockade by Israel and the United Nations since 2007.

Iranian officials said that the discovery of the tunnels was a sign of the growing tensions between Israel and Iran, which are arch-enemies.

The Israeli military said that it would continue to search for tunnels and other underground passages in the Gaza Strip, which has a population of about 2 million people.

The New York Times

Job Cuts at Chrysler Go Even Deeper Than Expected

By Michelle Maynard

Over the last two years, the three American auto companies have vowed that their plans to slash nearly 80,000 jobs and close more than two dozen plants would be enough to transform them into leaner and less costly companies.

But the housing bust and soaring oil prices have forced Chrysler and General Motors to make another round of surprising cuts, with no guarantees that they will be the last.

GM said that the cuts would affect its North American operations, which employ about 57,000 people. The company said it would be laying off workers at five plants.

The decision comes on top of a plan announced in February, to eliminate 13,000 jobs and close a factory in Newmarket, Del.

Caterpillar Inc. announced that it would cut 2,800 jobs, or about 4 percent of its workforce, in North America.

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Letters To The Editor

The Oct. 30, 2007 news article, “City Councillors Seek New 2-Year Terms in Cambridge Elections,” reported that this year’s Cambridge City Council elections. The elections will be held Tuesday, Nov. 6.

Because of an editing error, the headline for the Oct. 30, 2007 news article on fifth-week flight gave an inaccurate number. As reported in the article itself, 233 freshmen received their plane this year, not 262 as listed in the headline.

A page 1 caption of a Red Sox World Series celebration photo misidentified the name of one of the performers. The correct spelling of the student on the left is Shaah Wyslyouch.

Opinion Policy

Editorials are the official opinions of The Tech. They are written by the editorial board, which consists of Chairman Michael McGrady-Hergé, Editor in Chief Angeline Wong, Managing Editor Austin Chu ’08, Editor in Chief of TechWeb N.4, Rob Helman ’09, Elizabeth Levinson ’09, Jonathan E. Richman ’08, Sarah Schlachter ’08, Frank Tuttle ’09, Daniel Ryan Burke ’08, Erin J. Chisholm ’02, Jordan Rubin ’08, Robert E. Malchman ’98, Saul Blumenthal ’98, Janet S. Lieberman ’07, Matt Zedler ’07, Elizabeth Zakszewski ’06, Victor Cabral ’07, Yee ’10, Kari Williams ’11, Sherry Yan ’11, Aaron Sampson ’10, Jongu Shin ’10, William Kronick ’10, Diane Rak ’10, Andrea Robles ’10, Catherine Huang ’10, Bea Jarrett ’10, Samuel E. Semenkovich ’09, Joyce Kwan ’10; editors: Ylf Zhou ’09, Nick Bushak ’10, JiHye Yoon ’09, Ali S. Wyne ’08, Krishna Valery K. Brobbey ’08, Nick Staff: Charles Charles ’09, Nan Shen ’09, Jordan Rubin ’02, Nathan E. ’83, Barry Surman ’8, Robert E. Malchman ’98, Saul Blumenthal ’98, Janet S. Lieberman ’07, Matt Zedler ’07, Elizabeth Zakszewski ’06, Victor Cabral ’07, Yee ’10, Kari Williams ’11, Sherry Yan ’11. The Tech, Room W20-83, 8 Massachusetts Avenue, Cambridge, Mass. 02139. Subscriptions are $5.00 per year (third class) and $105.00 (first class).

Letters to the editor should be sent to letters@the-tech.mit.edu. We encourage submissions that are 300 words or less. Columns without italics are written by MIT or local community and have the author’s name in italics. Columnists provide opinions and write about any topic of interest to them. The Tech is open to reasonable discussion on most issues of concern to the MIT community. Letters, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hand copy submissions should be addressed to The Tech, PO Box 379209, Cambridge, Mass. 02139-7029.

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Letters and columns may also be posted on TheTech.org and/or printed or published in any other format or medium now known or later to become known. The Tech makes no commitment to publish all the letters received.

Guest columns are opinion articles submitted by members of the MIT or local community and have the author’s name in italics. Columns without italics are written by Tech staff.

To Reach Us

The Tech’s telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of the Tech staff. To contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. You can reach the editor in chief by e-mailing ed@the-tech.mit.edu. Please send press releases, requests for coverage, and information about errors that call for correction to news@the-tech.mit.edu. Letters to the editor should be sent to letters@the-tech.mit.edu. The Tech can be found on the World Wide Web at http://www.tech.mit.edu.
**CONCERT REVIEW**

**Journey Through a Mythological Forest**

By Roberto Perez-Franco  

By Roberto Perez-Franco  

New England Philharmonic  

Directed by Richard Pitman

Keone Auditorium  

Saturday, Oct. 27, 2007

**CONCERT REVIEW**

**Small Turnout, Grand Entertainment**

Bubbeck and Smith Deliver Vigorous Jazz to an Audience of Few

By B. Sahil Malik

Music Director Richard Pitman conducts the New England Philharmonic orchestra as it performs Kresse Auditorium on Saturday, Oct. 27.

**CONCERT REVIEW**

**A Night With the New England Philharmonic**

By B. Sahil Malik

New England Philharmonic  

Directed by Richard Pitman

Keone Auditorium  

Saturday, Oct. 27, 2007

**The Tech**

November 2, 2007

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**Arts**
MOVIE REVIEW 1/2

Sorry to Disappoint

‘American Gangster’ Does Not Live Up to Potential

By Waseem S. Daher

November 2, 2007

American Gangster
Directed by Ridley Scott
Written by Steven Zaillian, based on an article by Mark Jacobson
Starring: Denzel Washington, Russell Crowe, Christian Bale, Josh Brolin, Baby Dee
Rated R
Now Playing

Undoubtedly. Despite being star-studded, cast, “American Gangster” fails to deliver. Its story — based on a feature in New York Magazine — chronicles the rise and fall of Frank Lucas (Washington), a shrewd and intelligent 1970s Harlem heroin operation mastermind. Lucas climbs his way to the top when he imports heroin directly from Southeast Asia, rather than working through middlemen. His product is a better product at cheaper prices. Inspired by a real-life model, he brings his family up from North Carolina to run the operation, and he is extremely successful. That is, until Richie Roberts (Russell Crowe), seemingly the only honest cop in all of New York and New Jersey, is assigned to investigate the gangster.

Clicking in at a rather long 157 minutes, it’s clear that “Gangster” needed a bit more time in the editing room. The plight of the detective, Roberts, lacks the oomph of Lucas’s storyline. Roberts gains infamy among his fellow police officers when he and his partner discover a bag of cash, as any of the others would have done. Roberts turns the money in. This move makes him atypical, and probably none of the other officers will trust him to keep their under-the-table earnings on silent. This alienation is furthered by the death of his partner, himself a classic instead — you’ll thank me later.

At MIT. Although Josh had other commitments, he replied nonetheless, saying something to the effect of, “Urban planning. Does that make you feel like a God?”

Jens Lekman is a God. OK, that’s a stretch. But he probably qualifies as a minor deity of melancholy. His set included some of the most beautifully constructed pop tunes ever. Like many pop wunderkinder (Sufjan Stevens, Zach Con- don, for example), he has an uncanny knack for orchestration. The arrangements were deftly fleshed out with just enough strings, horns, and samples to give them abundant life without hitting a sonic wall of clutter.

More important than even the music, Jens Lekman seemed to really enjoy himself on stage. I don’t think I’ve ever seen a musician radiate that much happiness from the micro- phone. It’s contagious. It透s a joy to watch him dance between the notes and chords. It certainly doesn’t seem like he could do this every other night, but if he could play all night, he probably would. He’s like a perpetual energy machine. Yes. There. I’ve said it. Jens Lekman breaks the second law of thermodynamics. He is an escalating hyperbole. He is one hell of a show.

CONCERT REVIEW

Beautiful Music Imported From Sweden

Jens Lekman Is Absolutely Precious

By Charles Lin

November 2, 2007

Jens Lekman
Paradise Lounge
Monday, October 29

http://www.jenslekmann.com/

Jens Lekman was magical. Every moment he was on stage, the room seemed to get brighter and happier. Even though the audience was packed, there was a gentle harmony diffused through the room. The room danced side by side, and no one seemed to mind the throngs of hipsters pushing their way up front. It must’ve been the Jens Lekman effect.

Dressed in a white shirt with an embroidered rose, Jens Lekman sang and smiled, grinning, it seemed, for every song he was allowed to perform. A cadre of perfectly Swed- ish ladies accompanied him with horns, drums, and, in a particularly short set, a cello. Clasping their yes, to be fair, a girl screamed, “Yes!!!!” and he was immediately taken down with a massive group hug.

Jens Lekman is probably the kind of guy you can e-mail, and he will respond personably and enthusiastically. “He is,” corrects my buddy Gordon, who did e-mail him. Gordon invit- ed him to visit the Urban Planning Department at MIT. Although Josh had other commitments, he replied nonetheless, saying something to the effect of, “Urban planning. Does that make you feel like a God?”

Jens Lekman is a God. OK, that’s a stretch. But he probably qualifies as a minor deity of melancholy. His set included some of the most beautifully constructed pop tunes ever. Like many pop wunderkinder (Sufjan Stevens, Zach Con- don, for example), he has an uncanny knack for orchestration. The arrangements were deftly fleshed out with just enough strings, horns, and samples to give them abundant life without hitting a sonic wall of clutter.

More important than even the music, Jens Lekman seemed to really enjoy himself on stage. I don’t think I’ve ever seen a musician radiate that much happiness from the micro- phone. It’s contagious. It透s a joy to watch him dance between the notes and chords. It certainly doesn’t seem like he could do this every other night, but if he could play all night, he probably would. He’s like a perpetual energy machine. Yes. There. I’ve said it. Jens Lekman breaks the second law of thermodynamics. He is an escalating hyperbole. He is one hell of a show.

CONCERT REVIEW

Violin Virtuoso Tells Musical Tales

Ithik Perlman Performs at Symphony Hall

By Joyce Kwah

November 2, 2007

Ithik Perlman
Boston Celebrity Series
Symphony Hall
Sunday, October 27

Last weekend, I saw Ithik Perlman, the Israeli-American violinist perform in Boston. Perlman, who is dedicated to play the violin for the sake of the violin, performed live. It was the first time I’d seen him live, although I grew up listen- ing to recordings of his playing, and I was not disappointed. The concert, part of the Boston Celebrity Series, had Symphony Hall packed with people eager to see a living legend of classi- cal music.

After the lights dimmed, Perlman promptly appeared on the stage. Stricken with polio at age four, he had to walk across the stage to his seat with the aid of crutches while the piano, Rohan de Silva, carried his violin. The situation had a slightly poignant effect on the audience, but no matter. After some expert playing of the strings to the violin pitch, Perlman began filling the concert hall with his trademark lush, dreamy tone.

The program began with Bach’s Sonata No. 3 in A major for violin and piano, a piece quite beautiful in its simplicity, that I had not heard before. The opening movement, a sonata, and rich Adagio, indicated to the audience that a master had arrived. Perlman played it simply, without the roman- ticism that characterizes (or tarnishes) much of Bach these days. Instead, he reminded me of a grandfather singing his observations in a take you will make clear. An Allegro, another Adagio, and another Allegro followed in that order. The second Adagio had a similar quality to the first while the fast movements rang with a joyful and passionate tone.

Next was Strauss’s E-flat Major Sonatina, a piece full of Agatha passions. That Per- man’s intonation was so flawless that the registers of the violin did not affect his ability to pull my heartstrings. Other minor flaws oc- curred, such as blurred passages, but Perlman nonetheless pulled the piece off more conv- incingly compared to numerous versions I have heard. After intermission, I was still somewhat emotionally exhausted from the Strauss, but I was reluctant to sit down for another emo- tional journey. Schumann’s Fantasy Pieces, however, was just perfect for my state of mind.

Unlike the virtuosic and almost confronta- tional Perlman announcing a series of short core pieces. One would imagine these pieces, mostly written or transcribed by Fritz Kreisler, one of the pillars of virtuosic violin playing in the twentieth century, to be played for ente- tainment in a drawing room. Yet, through these pieces, Perlman conjured an intimate air that pervaded the grand hall. Hardy any of these pieces are performed in concert these days, let alone in Symphony Hall, but they reminded me of why Perlman has captivated me since childhood — that he is, lacks pretension and is dedicated to play the violin for the sake of good tunes.
CONCERT LISTINGS

November Concerts

Some great (and cheap) concerts coming to you in the Boston area this November. Special interest shows are noted with stars. Send listing suggestions for this month and the future to arts@tech.mit.edu.

Monday, Nov. 5
Rhea Traveler (with Lisa Bouchele) 
Paradise Rock Club, 18+, $25
Maybe you haven’t followed them since the mid ’90s, but I assure you, they’re up to good things. I saw them a couple years ago at a secret post-Jammy's show, John Popper’s unbelievable vocals and virtuoso scatting had to be one of the most impressive performances I’ve ever seen.

Friday, Nov. 9
Menomena (with Illinois) *
Paradise Rock Club, 18+, $13
There’s a charm, and this dynamic trio hardly suffers from extraneous wheel syndrome. Watch six hands juggle basses, keys, guitars, drums, saxophones, and bass pedals. You can bet your bottom dollar that I’ll be at this show, and the one on Saturday night in New York City too. Also, check out magnificentlyfun pop rock group Illinois reviewed in this issue of The Tech opening up the night.

Saturday, Nov. 10
Kevin Devine
T.T. the Bear’s Place, 18+, $12
At some point in time, all of my friends started going to see every Kevin Devine show ever. They swear by his acoustic guitar skills — check him out for yourself and let me know if you agree.

Monday, Nov. 12
Final Fantasy (with Cadence Weapon) 
The Middle East (Upstairs), 18+, $9 adv/$10 dos
Toronto native Owen Pallett, well known for his ethereal music, creatively plays Kevin Drew’s new solo album Spirit If... in full.

Tuesday, Nov. 13
Broken Social Scene
Paradise Rock Club, 18+, $22
Everyone’s favorite Canadian 19-piece supergroup plays Kevin Drew’s new solo album Spirit If... in full.

Thursday, Nov. 15
Das Rigger (with Beaton Anvode) 
The Middle East (Upstairs), 18+, $20
The former Acid Bath frontman has broken it off creatively with former swamp rockin’ bandmate Tes- sie Brunet and is currently touring solo to support his latest release, We Sing of Only Blood or Love.

Wednesday, Nov. 21
Broken Social Scene
Paradise Rock Club, 18+, $25
Though they now ally more with the first half of their name than the last, who can resist the unbeatable combo of J Mascis and Lou Barlow together again, playing as though they can stand one another?

Sunday, Nov. 25
Sondre Lerche (with Dan Wilson) 
Paradise Rock Club, 18+, $16.50
I prefer this Norwegian musician’s rock numbers to his acoustic tunes, but, like it or not, Lerche’s playing unplugged. And either way, I like it; I really like it.

Thursday, Nov. 29
Dragons of Zynth (with Holy Fuck) *
The Middle East (Upstairs), 18+, $9 adv/$10 dos
Check out my glowing review of DOZ at http://www-tech.mit.edu/V127/N33/CDreviews.html. Elec- tro-pop opens Holy Fuck may have a NSFW title, but their dark disco tracks are delectable. Make sure to get their album on OiNK — oh, wait.

—Sarah Dupuis
The 2007 World Champion Red Sox head down Boylston St. during Wednesday’s Rolling Rally. Red Sox Outfielders Jacoby Ellsbury (left) and Bobby Kielty greet fans. Thousands of fans line Boylston St. eagerly trying to see the 2007 World Champion Red Sox.

Sox Designated Hitter David Ortiz waves to fans during Wednesday’s Rolling Rally. The rally began at Fenway Park and made its way to City Hall Plaza in Duck Boats, stopping occasionally to let star closer Jonathan Papelbon perform his now famous Irish dance.

(clockwise from above)
Drag Kings Bill Dagger (Mattie Richardson) and Corn Bread (Patricia Hemphill) perform in a skit about nerd-jock love at the “Too Hot to Handle” lecture and demonstration featuring their all-black drag king troupe Nappy Grooves on Oct. 31.

The Tech's production department's bird of the day is the male mallard (Anas platyrhynchos).

Thinking New Perspectives.

Full-Time Position as an Equity Derivatives Strategist Interviews
Featured Interviewer: Grace Koo (MIT '02), Head of Equity Derivatives Marketing, Structuring, and Strategy
Date: Friday, November 16, 2007
Take advantage of this opportunity to get a deeper understanding about the possible career opportunities at Credit Suisse. If you are interested in global finance, then you should attend. Quantitatively-oriented seniors are invited to drop their résumés. Candidates must have a strong interest in the financial markets and impeccable written communication skills. Publication editors and senior members of the debate team are welcome to apply. Each student will be assigned a 20-minute two-on-one session with either Ms. Koo or a member of her derivatives team. Please email tara.mcdonald@credit-suisse.com to schedule an interview.

www.credit-suisse.com/careers
IS&T Plans to Improve E-Mail Reliability

Schiller said that several of the software products being looked at might support both post office and calendaring functionality.

The spreadsheet of options IS&T has been considering includes the open-source software Cyrus and Zimbra as well as commercial software from Microsoft (Exchange 2007), Scales, and Oracle. IS&T is also considering outsourcing the management of mail systems to external parties like Google and Microsoft.

Schiller said that “we haven’t chosen a technical direction at this point” and that IS&T would be “approaching members of the community to get their input.”

Schiller expressed worries about running a mail system infrastructure based on Microsoft’s Exchange server. “To build something [to the] scale of MIT, how many Exchange servers do we have to have? Are we really going to have three people dedicated to supporting the mail system?”

March failure could happen again

In March 2007, the post office server po14.mit.edu suffered a catastrophic failure that left thousands of users without access to their e-mail for several days. IS&T diagnosed the problem as architectural: the file storage systems associated with the post office servers were too large. In the event of a failure, the filesystem recovery software took over a day to run, without any evidence that it would ever complete.

Mark V Silis ’99, who manages network services for IS&T, said that the failure from March could very well happen again. Silis said that IS&T had been planning the evolution of the mail system for some time and had taken delivery of a new storage server: IS&T had hoped to transition to it “in the coming month or so.”

According to Schiller, the new storage server would be configured with 500-gigabyte filesystems, rather than the current 1,000-gigabyte filesystems. With the smaller filesystems, Schiller said, he expects the filesystem software recovery tool to take 90 minutes in the event of a failure, rather than the longer-than-one-day recovery that was experienced in March.

Schiller also said that by automatically purging users spam e-mail from the mail servers every 21 days, IS&T had been able to reduce the number of files in each filesystem, which would hopefully have a dramatic effect on filesystem verification time.

Schiller said that though he wouldn’t want to run the filesystem recovery tool, “it probably would terminate in finite time.”

Schiller said that no tests had been done to measure the speed of filesystem recovery but that it would be possible to do such tests.

Spam filtering

MIT’s spam filtering has been based on a spam-filtering “appliance” from Barracuda Networks since August 2006. During that time, Schiller said, there have been periodic problems with the Barracuda devices, generally requiring manual updates to their firmware in response to a new style or kind of spam activity. One of the benefits of the Barracuda devices was supposed to be their automatic updates to respond to changes in spam.

IS&T has been testing another spam filtering technology: Symantec Brightmail Anti-Spam. Silis said that IS&T had partnered with the Sloan School to test the Brightmail system on the Sloan mail.mit.edu e-mail system, and that while “there is no definitive plan right now,” they would evaluate future directions for campus spam filtering at the end of the calendar year.

Schiller noted that one of the advantages of the Barracuda system is that pricing is per-appliance. The Brightmail system is priced per-user, and could well be cost-prohibitive for the entire MIT e-mail system.

“We are in negotiation” over pricing, Schiller said.
but there is little enforcement of those guidelines. In one department, a camera, the police and Security Office may help with funding, as long as the camera is not for surveillance purposes. Critics are sufficiently cheap that the lack of formal video surveillance policies is probably not a real deterrent to their deployment in public spaces.


Komola said he thought the lack of policy and accounting for cameras on campus was a real problem and that the faculty and administration needed to be approached on these issues, but there was no time frame for improving the situation.

Mathematics Department

The Department of Mathematics maintains four cameras within Building 2. Two of those cameras point at a stairwell in the southeast corner of the building near Memorial Drive, on the first and second floors. There is also a camera at the end of the hallway near lecture hall 2-190, as well as in the main second floor corridor.

According to Paula F. Duggins, administrative office for Mathematics, the camera record overnight from 7 p.m. to 7 a.m. daily, and they are motion-activated. The camera record over the network, Duggins said, and video records are kept for one week and automatically deleted.

Only Mathematics system administrators have access to the videos, Duggins said.

Duggins said that department’s cameras were installed in March 2006 in response to several break-ins during 2005. They have “acted as a substantial deterrent to equipment theft, as well as providing our community with a measure of personal safety,” Duggins said.

Stata Center, parking garages

When the Stata Center was built in 2004, video cameras were installed pointing at emergency telephones in the basement, in parking garages, and in elevators serving the parking garages.


Carlson said that when the Campus Police moved their headquarters from Building W31 next to the Student Center out to W39 on the west edge of campus, they evaluated the cost of bringing the video feeds with them and elected not to move the video feeds. “I can’t recall a situation off the top of my head where they were ever used,” Carlson said.

Carlson said he was concerned that the presence of unmonitored cameras might raise a false sense of security. “I think the intent is to move the cameras,” he said.

Carlson said he was heading up operations for the Campus Police when Chief of Staff Dufresne moves to co-head Facilities effective Nov. 5.

Chemistry Department

The Department of Chemistry maintains a comprehensive array of 30 cameras throughout Building 18, as well as a handful of cameras in departmental space in Buildings 4 and 18.

According to Scott R. Wade, who handles operations for the department, Chemistry Department’s cameras were installed in 2004 as part of a comprehensive card-access system. Wade said that the card access and camera system together cost about $650,000, and the project was funded by the office of then-Executive Vice President John R. Curry.

Chemistry’s cameras are generally pointed at card access devices and record footage continuously to digital video recorders. Wade said. The footage is recorded for 14 days. Wade said he thought the cameras had been a useful deterrent to theft.

But even Chemistry’s cameras that cover their departmental spaces can intrude into public areas: one of Chemistry’s cameras overlooks the nitrogen tanks outside the northeast corner of Building 18 and may record pass-by-walkers in the thoroughfare between Buildings 18 and 56.

Hello, India? I Need Help in Math

By Steve Lohr

Adriane Yamaui, a 32-year-old management consultant in New York, travels constantly and logs 80-hour workweeks. So to eke out more time for herself, she routinely farms out the administrative chores of her life — making travel arrangements, hair appointments and restaurant reservations and buying theater tickets — to a personal assistant, in India.

Kenneth Tham, a high school sophomore in Arcadia, Calif., strives to improve his grades and scores on standardized tests. Most afternoons, he is tutored remotely by an instructor speaking to him on a voice-over-Internet headset while he sits at his personal computer going over lessons on the screen. The tutor is in India.

The Bangalore butler is the latest example of an outsourcing wave spreading into fields other than manufacturing and call centers.

The footprint of the outsourcing phenomenon, which has been a huge boon to India, is probably not a real deterrent to their work. Instead, outsourcing may help with funding, as long as the police and Security Office follows a set of guidelines. If a department proposes a surveillance camera, the police and Security Office must follow procedures.

Surveillance, from Page 1

Math and Chemistry

Cameras Recording; Stata Nonfunctional

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- Walter Raquet, Co-Founder Knight Capital Group (NASDAQ: NITE), the leading US equity market making firm

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- Greg Tusar, Goldman Sachs, Managing Director, Global Head of Electronic Trading

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Figure 19. The graph illustrates the relative progress as a function of the number of times an experiment is repeated (a graph of progress vs. hours of work follows the same trend). As shown in the figure, progress in experimental science obeys the law of diminishing returns: the majority of progress is done within the first few experiments, while the later ones contribute little, if at all. As a result, as the experimenter works more, the total progress proportional to the investment in time decreases, making the process inefficient. It follows, then, that the point where leisure pays higher than work is encountered sooner rather than later. This work was done in collaboration with Andrey Zarur (Ph.D., class of 2000).

In spite of what they may think, nerds really just aren’t all that funny.

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**Crossword Puzzle**

**ACROSS**
1. Shows curiosity
2. Secular
3. Calligraphy line
4. Declam loudly
5. Computer’s fix-it button
6. Sidestep
7. Musical group
10. Take it slow
11. Father of France
13. Top value
15. Pat’s partner
16. Computer’s fix-it button
17. Fixe (obsession)
19. Family cars
21. Bring down the house
22.__ of March
23. Marshland
24. Agra attire
25. Agra attire
26. Baseball groups
27. Carriage
28. Baseball groups
29. Scene of action
30. Varnish resin
31. Fable’s lesson
32. Finished napping
33. Dish with dressing
34. __ De foie gras
35. Miss the mark
36. __ of March
37. __ of March
38. __ to court
39. Arctic shelter
40. Varnish resin
41. Great Britain
42. Blood component
43. Blood component
44. Honshu city
45. __ of the house
46. __ of the house
47. Varnish resin
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60. __ of the house

**DOWN**
1. B.A. word
2. Agra attire
3. Work with needles
4. Condescend
5. British shoon
6. Stamen feature
7. __ like
8. Barbershop item
9. Family cars
10. Conjure up
11. Bring down the house
12. __ of March
13. Marshall
14. Indian statesman
15. Broncobuster’s milieu
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60. __ of the house

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. Solution, tips, and computer program at http://www.sudoku.com; see also solution, page 10.
By Aaron Sampson

Northern Division Championships on Saturday, Nov. 3 and Sunday, Oct. 14. The tournament was attended by colleges from throughout the northeast MIT finished with 484 points, behind only Corning Community College. The Third Team includes the men's and women's programs.

—James Kramer, DAPER Staff

Tech Duo Named Sailors of the Week

Four weeks after being selected to the Inter-Collegiate Sailing Association All-Academic Team, John M. "Jack" Field '08 and Julie C. Arsenault '09 have hit the top of the charts again. Field, the skipper, and crew Arsenault were named New England Intercollegiate Sailing Association Sailors of the Week for their outstanding performance in last weekend's Schell Trophy.

Battle went to northeast winds, Tech's dynamic A-Division duo found themselves in a position to win. With the Engineers to the overall win among 18 teams along the Charles River. The victory also clinched a berth to the MIT at the Atlantic Coast Championship in Florida on Nov. 13-14.

To make the outing incredibly remarkable, Field and Arsenault re- cruited from 18th and 17th place finishes in the first and third rounds, respectively. They finished in the top five in 10 of the remaining 15 rounds. Their high rankings were more than enough to claim the top spot overall.

"This past weekend, we had a truly stunning victory," Arsenault said. "We took first in the Schell Trophy, which is something MIT hasn't been able to do for 27 years. It was truly a competitive regatta, with many of the nation's top sailors attending."

—Jeff Lenieois, DAPER Staff

Water Polo Claims Tech Duo Named

MIT's water polo team captured its second title of the weekend on Sunday afternoon by virtue of a 12-10 win over Division II Mercyhurst College in the Intercollegiate Water Polo Association Small College Championship game. More than 24 hours earlier, the Engineers defeated Washington and Jefferson College to claim the CWPA Division III Eastern Championship. The entire tournament was hosted by MIT in the Zeiger Center Pool.

Devin M. Lewis '10, who led the Cardinal and Gray with 14 goals over the course of the weekend, was named the Division III Tournament Most Valuable Player. Goalkeeper Nicholas A. Souza '10 and Morgan S. Laulau '08 earned First Team accolades, while teammates Jake M. Rundell '09, Jacob J. Ruzevick '09 and Michael R. Smith-Bronstein '09 were named to the Second Team.

Randall C. countertops with Mereczkus was a tense battle from start to finish. A defensive-minded first half from both sides saw MIT take a 2-2 lead into the break, but a three-goal outburst in the second half helped Tech mount a 4-2 advantage by the final period to clinch the victory. MIT scored goals to break the fourth, but a Brian C. Gardiner '11 man-advice-advantage sparked a three-goal run that put the Engineers on top. Through 10 rounds, MIT led, 12-10 by converting a penalty shot with 30 seconds remaining, but the Engineers subsequently ran out the final half-minute to seal the title.

MIT was named the Second Team, and Eddy J. Huang '09 finished third on the women's side. Ning Wu '08, Stephanie E. Nix '09, and Christine Chun '99 finished third place, respectively, for the men.

Stephanie R. Chiang '08 and Elisabeth M. Markham '09 also securing the top two spots in the women's competition.

In the white and yellow belt division, new club member Rafael A. Ray '11 took second place. With the conclusion of the forms competition, the tournament progressed to sparring, starting with the A-Team (advanced) competition. Despite very strong competition at the A-Team level, both MIT's Men's A1 (Wu, Han, and Forrest W. Liu) and Women's A1 (Karolina A. Corin G. Miranda J. Ha, and Corinna Hui '99) finished in third place. Following the A-Team matches was the C-Team (novice) division. In one of MIT's most impressive showings, the Women's C1 (Rubi and Fa, 10, Han Zhu '09, and Ching-ang) and Women's C2 (Jennifer T. Huang '08, Stephanie E. Nix '09, and Markham) swept first and second place. B-Team (beginner) sparring came next, giving some of the club's newest members the chance to experience competition for the first time.

MIT's Men's D1 team (Matthew A. Pagan '11, Ray, and Mitchell J. Kelley '11) finished in second place. Tied in third place were MIT's Men's D2 (Elvire P. Bina '11, Xiao Zi Duan '12, and Frederick A. Baba '10) and D3 (Matthew G. Esin '11).

In the Women's D-Team division, MIT's D1 team (Jing "Jenny" Cheng '11, Shamus Q. O'Donnell '10, and Elizabeth M. George '08) took first place.

The tournament ended with the fierce competition of B-Team (intermediate) division. MIT's Men's B1 (Wu, Han, and Lian) finished in third place, tied with MIT's Men's B2 (A. Corin G., Miranda J. Ha, and Corinna Hui '99) finished in third place.

MIT will seek to take over the lead from Cornell as the second part of the season, which will take place on Sunday, Nov. 11.

Teams Hope to Qualify for NCAA Div. III Nat'l Championship Next Season

Cross Country, from Page 16

Leading the charge to the finish was Newman Runner of the Year Jacob S. "Eli" Jacobson '10 (20:04) who won in a course record of 15:58. Finishing second was Jeremia R. "Ezra" Cohen '09 (21:00) who followed coats Guard's top runner after a neck and neck contest for the last two miles of the course.

A deficiency of MIT uniforms quickly secured places four through eight, consisting of team co-captain Joseph D. "Dok" Boyce '08 (19:57), Katherine A. Gordon '11 (20:03), and Adeline M. Bolognesi '08 (20:04) outed the scoring for MIT in 124th, 146th, and 15th place respectively, with Dorei and George leading Monks and Fanning in earning an Automatic Qualifier. Gordon was also the first freshman to cross the line, earning the title of Newman Runner of the Year. Jacqueline M. Wenta '10 and Elizabeth L. Lubera '09 rounded out the MIT top seven by finishing 22nd and 23rd respectively.

Elisa E. Gotski '11 and Anna M. Hoot-Gos- selin '11 followed in 34th and 64th, and Lauren M. Vedlunas '08 (69th) not far behind on the personal course record.

With the conclusion of the forms championship behind them, the Engineers are looking to find the Division III Eastern Regional Competition on Saturday, Nov. 10 at Connecticut College. At this meet, they will be trying to qualify for the Ivy League and the National Collegiate Athletic Association championship, to be held on Nov. 17 at St. Olaf College, Minn.
By Jeremiah Cohen and Maria Monks

The MIT men’s and women’s cross country teams traveled to Smith College on Saturday, Oct. 28, to compete in the New England Men’s and Women’s Athletics Conference Championships. The men’s team clinched a 10th straight title, remaining the only team to have won the NEWMAC championship since the inception of the conference. Scoring a near-perfect 18 points, the men dominated the eight-kilometer course with 10 of the top 14 runners, well ahead of runner-up U.S. Coast Guard Academy (52 points) and third place Springfield College (97 points).

The women’s team conquered the five-kilometer course and won their third ever NEWMAC championship, scoring 50 points against Wheaton College (72 points) and Smith College (118 points). The weather also provided ample competition, as the persistent rain throughout the day made for muddy conditions on the hilly course.

The men’s team went into the race confident in their physical ability and race strategy. Taking nothing for granted, Tech’s top runners took the lead from the start, stringing out the few competitors who went with them. Following closely in pursuit was a peloton of MIT runners that ran down several competitors who were fading into exhaustion.

Working on things that matter ...

Course 1 | Freshman Open House

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