MIT's Oldest and Largest Newspaper



WEATHER, p. 2 FRI: 47°F | 37°F

SAT: 49°F | 37°F Cloudy, late rain

SUN: 48°F | 37°F Rainy and windy

Volume 130, Number 12 tech.mit.edu Friday, March 12, 2010

Miliband's Afghanistan plan

British foreign secretary delivers Compton lecture

By Jingyun Fan

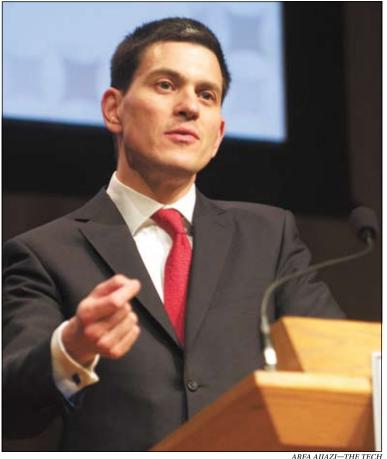
STAFF REPORTER

A line of motorcycles, black SUVs, and police cars arrived at Kresge Auditorium on Wednesday to escort British foreign secretary David W. Miliband SM '90, who became the youngest speaker to ever deliver the Compton lecture at MIT. In his lecture, "The War in Afghanistan: How to End it," Miliband stressed that military operations were not enough to end the war; the Afghans must build their own political system.

"Afghanistan will never achieve a sustainable peace unless many more Afghans are inside the political system, and neighbors are onside with the political settlement," Miliband

Miliband believes that former Afghan insurgents must also be involved with the political process and that there needs to be a program of reintegration for them. Miliband said that the new Afghan government needs to first address the grievances that fueled insurgency in the first place. In order to have a sustainable government, it will be important to ensure that all tribal, ethnic, and other excluded groups be given a real stake in the political process of Afghanistan. The new government needs to have accountability and transparency, he said.

In an interview, Miliband said that he believes increased Afghan capacity in security and governance at the provincial and district levels will be key in making sure the newly secured Afghan district of Marjah remains safe from Taliban attacks. The empowerment of provincial and district governors is crucial in encouraging people to settle their grievances from within the political



David W. Miliband SM '90, British Secretary of State for Foreign and Commonwealth Affairs, delivered the 2010 Compton Lecture in Kresge Auditorium on Wednesday

system rather than outside it.

While the people of Afghanistan play a crucial role inside of the political settlement process, its neighboring countries will need to support it in order for Afghanistan to be successful. Miliband noted the importance of Pakistan, which holds great influence inside Afghanistan. Afghanistan cannot be the site of

neighboring power struggles; and other countries need be aware that instability as a result of the Taliban will spill outside Afghan borders.

At the end of the lecture, Miliband was presented with a brass rat by Graduate Student Council president, Alex H. Chan G.

Miliband, Page 14

Confession linked TEP to Na injuries

Brother threw sodium in Charles

By Divya Srinivasan

The sodium that exploded in 2007 and injured volunteers from a Charles River clean up crew was thrown into the river by Bhaskar Mookerji G, a Tau Epsilon Phi brother, according to public court documents.

Mookerji confessed that he threw the sodium into the Charles on or around Sept. 4, 2007. On Sept. 6, river clean-up volunteers were injured when they found the metal. Mookerji is a current Course VI graduate student and is a member of the Class of 2009.

Mookerji's confession, dated April 30, 2008, is part of the file for Commonwealth of Massachusetts v. Bhaskar Mookerji, a now-closed criminal case. The case file also includes a Suffolk County (Boston) Police Detective's report on the incident.

The Tech recently became aware of the criminal case from a reference in an ongoing civil case, Thomas Soisson and Katherine Nardin v. Bhaskar Mookerji, AMRCO LLC, Brian Neltner, Tau Epsilon Phi National Fraternity, Tau Epsilon Phi XI Chapter, and Matthew Peddie.

On September 6, 2007, while volunteering for the Charles River Clean-Up Boat, Katherine (Kate) Narden, Thomas Soisson, Patrick Hodgins, and Matt McCord were injured by an exploding piece of sodium metal they had picked up. Soisson and Narden suffered severe chemi-

cal burns to legs, forearms, and facial areas as a result of the explosion, according to a doctor's account referenced in the detective's report.

As detectives began to investigate the incident, they shifted their attention from MIT's annual sodium drop to a smaller event conducted by Tau Epsilon Phi, an MIT fraternity.

Through conversations with Matthew Gordon '08 and Timothy M. Rades '09, who are TEP brothers, police discovered that the sodium that caused injury had come from TEP's sodium drop, that the sodium had come from the house, and that Mookerji, along with then-TEP Chancellor Matthew T. Peddie '09, Michael T. Snella G, and Thomas C. Guerra '10 had visited then-Dean for Student Life Larry G. Benedict to inform him of the incident, the detective's report said.

Police visited various MIT labs that handle sodium on Sept. 10. The TEP brothers' visit to Dean Benedict occurred at 8 a.m. on Sept. 14, the report said. Detectives and MIT police jointly visited TEP and interviewed Rades on Sept. 14.

Boston police found out that Brian Neltner, a Course II graduate student, had ordered a shipment of various chemical substances from the chemical supplier Alfa Aesar under the name of "Evil Corp," the report

Sodium, Page 14

IN SHORT

Undergraduate tuition will increase by 3.8 percent next year up to \$39,212. Financial aid will increase by 6.7 percent up to \$87 million. The changes were announced at the MIT Corporation meeting on March 5.

Still want to host a pre-frosh this CPW? The deadline is today. Sign up at web.mit.edu/admissions/ mitcpw/.

It's almost Spring Break! The **MIT Parking and Transportation** Office will be running a shuttle service for students to Logan Airport for a \$10 fee on Friday, March 19 and Saturday, March 20. Reservations are required and can be made at web.mit.edu/facilities/ transportation/shuttles/airport.

Spring forward. Daylight savings happens this Sunday. Set your clocks one hour ahead.

Send news information and tips to news@tech.mit.edu.

Media Lab extension is glass, steel, open air

\$90 million Maki building gives research groups a clean, transparent space

By Sam Range STAFF REPORTER

Three months after researchers started moving in, academia, industry, architects, and the press gathered to celebrate the official opening of the Media Lab extension (building E14). The Fumihiko Maki-designed extension to the Wiesner Building on Ames houses the Media Lab, the Program in Art, Culture, and Technology, and individual offices from the School of Architecture and Planning.

On March 5, speakers at the opening ceremony took care to acknowledge the smaller departments that have offices in the new 6-story building — but the \$90 million structure can truly only be described as a triumph for the 25-year-old Media Lab.

The building was conceived and designed as the ideal home for the unique collaborative and interdisciplinary culture of the Media Lab. Pritzker Prize-winning



Professor Hiroshi Ishii, Associate Director of the Media Lab and head of the Tangible Media Group, returns a volley in a game of table tennis during opening-day tours of the Media Lab extension. The table is equipped with object tracking and a projector, which projects fish onto the table that swarm to where the ball lands.

architect Fumihiko Maki sought to capture the idea of transparency in tangible form, creating a building with stunning displays of glass, white, and open air. The doubleheight labs of E14 are staggered by one story, making movement

and communication between lab spaces fluid and effortless.

The new Media Lab is much larger than the Wiesner Building, and according to director Frank Moss, the number of faculty will be growing along with the building. Over the last weeks, the Media Lab has been hosting research presentations from faculty candidates. The Media Lab is "looking to expand the scope and diversity'

Media Lab, Page 13

ON CAMPUS

Want to solve the energy crisis? Invent something. Until then, don't waste energy, even if you're not paying for it. OPN, p. 5



THE SECRET OF INTERNET DATING

The social experiment unfolding on OkCupid.com is changing everything you thought you knew about online dating. CL, p. 11

PATTINSON THE NOT-VAMPIRE?

The Twilight actor is brooding but doesn't drink blood in his new film. ARTS, p. 8

SURFER BLOOD, INDIE PRODIGIES

These Pixies-influenced, Weezer-loving teenagers are good. ARTS, p. 8

CENTRAL BOTTLE IS SMALL, CHIC

New, just up Mass. Ave, it's got a delicately curated selection of wines, cheeses and beers. ARTS, p. 9

SECTIONS

World & Nation	2
Opinion	4
Fun Pages	6
Arts	8
Campus Life	11
Sports	16

Rapid rise in seed prices draws U.S. scrutiny

During the economic crisis last year, the prices for many goods held steady or even dropped. But on American farms, the picture was far different, as farmers watched the price they paid for seeds skyrocket. Corn seed prices rose 32 percent; soybean seeds were up 24 percent.

Such price increases for seeds — the most important purchase a farmer makes each year — are part of an unprecedented climb that began more than a decade ago, stemming from the advent of genetically engineered crops and the rapid concentration in the seed industry that accompanied it.

The price increases have not only irritated many farmers, they have caught the attention of the Obama administration. The Justice Department began an antitrust investigation of the seed industry last year, with an apparent focus on Monsanto, which controls much of the market for the expensive bioengineered traits that make crops resistant to insect pests and herbicides.

The investigation is just one facet of a broader push by the Obama administration to take a closer look at competition or the lack thereof — in agriculture, from the dairy industry to livestock to commodity crops, like corn and soybeans.

—William Neuman, The New York Times

Aftershock measuring 7.2 shakes Chile during inauguration

 $SANTIAGO, CHILE - At least three \, major \, after shocks \, rocked$ central Chile on Thursday, striking minutes before its presidentelect was sworn into office to take charge of a country still reeling from a devastating earthquake nearly two weeks ago.

Chile's Navy rapidly issued a tsunami alert, and Chilean television carried reports of residents of coastal areas fleeing for higher ground. There were no immediate reports of damage, but in the capital of Santiago, 95 miles north of the epicenters, windows rattled, buildings trembled and cell phone service went down.

In the coastal city of Valparaiso, about 90 miles from the site of Thursday's earthquakes, dignitaries who gathered for the inauguration of President Sebastian Pinera made nervous jokes glanced at the shuddering ceiling of the congressional building as the quakes hit, according to news reports.

Pinera, however, showed no sign of acknowledging the tremors, and continued to shake hands with leaders and supporters before taking the oath of office.

The first of the three largest aftershocks hit at 11:39 a.m., and with a magnitude of 7.2, was the strongest to hit since Chile was ravaged by an 8.8-magnitude quake on Feb. 27.

—Alexei Barrionuevo and Jack Healy, The New York Times

Obama to create export task force to push trade

President Barack Obama on Thursday announced a broad effort to promote American goods overseas, hoping to bolster competitiveness abroad and create jobs in the United States.

But trade specialists questioned whether the plan had the potential to double exports in five years and create 2 million jobs — the president's goal — saying that it was not just a question of producing more goods to sell but an issue of overcoming stiff trade barriers while creating new markets.

Obama framed his plan as a means of jump-starting the sluggish economy. He called for increasing credit for smalland medium-sized businesses by \$2 billion, easing restrictions on selling certain goods abroad, and establishing a Cabinetlevel panel on exports.

-Javier C. Hernandez, The New York Times

Turmoil in Iraq amid tight vote tally, as some charge fraud

By Anthony Shadid and Tim Arango

THE NEW YORK TIMES

BAGHDAD — Iraq's major coalitions were locked in a surprisingly close race on Thursday, in initial results from elections that deepened divisions across a fractured landscape. Candidates were quick to charge fraud, heightening concerns whether Iraq's fledgling institutions were strong enough to support a peaceful transfer of power.

The day was the most tumultuous since Sunday's vote for Parliament, with Prime Minister Nouri Kamal al-Maliki's office saying he underwent surgery, officials with his chief rival complaining that their ballots were dumped in the garbage, and a leading Shiite coalition claiming that they had challenged the popular mandate that al-Maliki needed to return to power.

The turmoil deepened both anticipation and uncertainty over an election to choose a government that will rule Iraq as the United States begins its military withdrawal in earnest next month.

"It is a very close race," said a Western official, who viewed the early results but spoke on condition of anonymity since Iraqi officials were designated to release them. "Whatever the end results, we know it will be a fierce struggle to form a government."

The initial returns, according to officials who have seen tallies from across the country, suggested a very tight race between al-Maliki's coalition; Ayad Allawi, a secular Shiite and the leader of the Iraqiya coalition; and a Shiite coalition known as the Iraqi National Alliance. The Kurds, though divided, appeared poised to finish strongly as well, they said, leaving Iraq's political map far more ambiguous than just weeks ago.

Although officials said al-Maliki appeared to have a plurality in returns so far, his rivals in the Shiite coalition and Allawi's alliance trumpeted their gains — Allawi in Sunni regions and the Shiite coalition in rural southern provinces. And the early indications suggested that al-Maliki fell short of the mandate he might have needed to guide negotiations over a coalition government

that he could lead. At the very least, the showing could weaken his caretaker government during the months of negotiations that will follow the final results, which electoral officials expect by the end of March.

Al-Maliki has not appeared in public since the election. He entered the hospital on Wednesday for a two-hour surgery to remove a cyst in his stomach, officials said. The government confirmed the operation on Thursday, saying that he had returned to work.

After the last parliamentary election in December 2005, political leaders clashed for more than five months in an effort to form a new government, a period of indecision and confusion that allowed insurgents to gain strength and religious tension to worsen. Tens of thousands were killed in the sectarian fighting that followed, and many have worried that while Iraq is more peaceful, any transition will prove fraught with danger.

'We may witness long months of problems and bargaining," said Hazim al-Nuaimi, a political analyst. "This is the bad face of liberal-

\$657.6 million settlement reached for 9/11 rescue and cleanup crews

By Mireya Navarro

THE NEW YORK TIMES

NEW YORK — A settlement of up to \$657.5 million has been reached in the cases of thousands of rescue and cleanup workers at ground zero who sued the city over damage to their health, according to city officials and lawyers for the plaintiffs.

They said that the settlement would compensate about 10,000 plaintiffs according to the severity of their illnesses and the level of their exposure to contaminants at the World Trade Center site.

Lawyers from both sides met on Thursday to discuss the terms of the settlement with Judge Alvin K. Hellerstein of the U.S. District Court for the Southern District of New York

Payouts to the plaintiffs would come out of a federally financed insurance fund of about \$1.1 billion that is controlled by the city. At least 95 percent of the plaintiffs must accept its terms for it take effect. If 100 percent of the plaintiffs agree to the terms, the total settlement would be \$657.5 million. But if only the required 95 percent agreed, the total would be reduced to \$575 million.

Lawyers for the plaintiffs estimated that individual settlement amounts will vary from thousands of dollars to more than \$1 million for the most serious injuries.

The settlement, which took two years to negotiate, raises the prospect of an end to years of complex and politically charged litigation that has pitted angry victims against city officials, who questioned the validity of some claims and argued that the city should be immune from liability. "This is a good settlement," said Marc Bern, a lawyer with a firm that represents more than 9,000 plaintiffs, "and we

are gratified that these heroic men and women who performed their duties without consideration of the health implications will finally receive just compensation for their pain and suffering, lost wages, medical and other expenses, as the U.S. Congress intended when it appropriated this money."

In a statement, Mayor Michael Bloomberg, called the settlement "a fair and reasonable resolution to a complex set of circumstances."

Under the settlement, a claims administrator, who will be chosen by the lawyers in the case, would decide whether a given plaintiff had a valid claim, whether the plaintiff qualified for compensation and if so, for how much. The system is similar to the one used for payouts from the Sept. 11 Victim Compensation Fund to families of those killed in the terrorist attacks. The process is meant to screen out fraudulent claims.

WEATHER

Springing forward

By Angela Zalucha

Early Sunday morning marks the beginning of Daylight Saving Time (not Daylight "Savings" Time), when we move our clocks one hour forward. Eastern Standard Time (EST), five hours behind Greenwich Mean Time (GMT), gives way to Eastern Daylight Time (EDT), four hours behind GMT. The good news is that the sun will set an hour later, but at the price of one hour less of sleep on Saturday night.

move out of the Midwest and affect our region this weekend. Overcast skies will persist Friday and Saturday with rain Saturday night and Sunday.

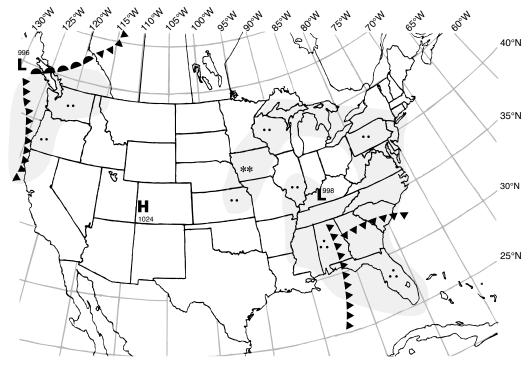
Temperatures will reach the upper 40s (°F) during the day and stay in the upper 30s (°F) at night. Expect blustery conditions Saturday and Sunday associated with a tight pressure gradient as the low pressure system passes to our

Extended Forecast

Today: Cloudy. High 47°F (8°C). Winds easterly at 10 to 15

Tonight: Cloudy. Low 37°F (3°C). Winds easterly at 10 to 15 mph.

Tomorrow: Cloudy with rain beginning in the evening. High 49°F (9°C). Low 37°F (3°C). Winds northeasterly at Sunday: Rainy and windy. High 48°F (9°C). Low 37°F



Situation for Noon Eastern Standard Time, Friday, March 12, 2010

Weather Systems	Weather Fronts	Precipita	ation S	ymbols	Other Symbols		
			Snow	Rain	=	Fog	
High Pressure	Trough	Showers	*	$ \dot{\nabla} $	-	Thunderstorm	
Low Pressure	Warm Front	Light	*	·	000	Haze	
g	▲▲▲▲ Cold Front	Moderate	**	••	Comp	oiled by MIT	
§ Hurricane	Stationary Front	Heavy	**			orology Staff The Tech	

Afghan tribal rivalries bedevil a U.S. plan to counter Taliban

By Alissa J. Rubin
THE NEW YORK TIMES

JALALABAD, AFGHANISTAN — Six weeks ago, elders of the Shinwari tribe, which dominates a large area in southeastern Afghanistan, pledged that they would set aside internal differences to focus on fighting the Taliban.

This week, that commitment seemed to dissolve as two subtribes took up arms to fight each other over an ancient land dispute, leaving at least 13 people dead, according to local officials.

The fighting was a setback for U.S. military officials, who had hoped to replicate the pledge elsewhere. It raised questions about how effectively the U.S. military could use tribes as part of its counterinsurgency strategy, given the patchwork of rivalries that make up Afghanistan.

Government officials and elders from other tribes were trying to get the two sides to reconcile, but given the intensity of the fighting, some said they doubted that the effort would work. At the very least, the dispute is proving a distraction from the tribe's commitment to fight the Taliban, not each other.

In return for the tribe's pledge, the Americans had offered cashfor-work programs to employ large numbers of young people from the tribe as well as small-scale development projects, according to Maj. T.J. Taylor, a public affairs officer.

The one initial worry was that the Taliban might try to drive a wedge between different factions within the tribe, which includes about 400,000 people. The land dispute may have done that work for the insurgents.

Questions for Shinwari tribal elders this week about whether the pact against the Taliban still stood went unanswered as the elders turned the conversation to their intratribal struggle.

"We promised to work with the government to fight the Taliban," said Hajji Gul Nazar, an elder from the Mohmand branch of the Shinwari tribe. He added, "Well, the government officials should have taken care of this argument among us before the shooting started."

"We are the same tribe, and we are not happy killing each other," he said. "The provincial police chief and the governor should have taken care of this issue."

The dispute began about 10 days ago when the Alisher subtribe of the Shinwari laid a claim to land also claimed by another branch of the tribe called the Mohmand. The disputed area covers about 22,000 acres near the Pakistani border and about 20 miles from Jalalabad, the capital of Nangarhar province.

Staking their claim, the Mohmand set up tents on the land, according to tribal elders. The government called on both sides to hold a peaceful discussion among tribal elders, known as a shura.

The Alisher repeatedly asked the Mohmand to remove their tents from the disputed land. After more than a week of discussion and no sign that the Mohmand were budging, the Alisher called the police.

The police arrived and began to remove the tents, infuriating the Mohmand, who became even more infuriated when the Alisher began to help the police knock down the tents.

Health reform bill at impasse, Democrats push ahead alone

By Sewell Chan

THE NEW YORK TIME

WASHINGTON — Democrats said on Thursday that they would go it alone in an effort to pass an overhaul of financial regulation, increasing the likelihood of a bitter partisan showdown.

Sen. Christopher J. Dodd, D-Conn., chairman of the Senate Banking Committee, said he would put forward his own bill on Monday, despite the lack of a single Republican endorsement. Democrats concluded that bipartisan talks were not making enough progress and that going their own way was the only realistic hope of getting the legislation adopted in an election year, he said.

Dodd said the bill would rewrite the rules of Wall Street, end the "too big to fail" phenomenon and protect consumers from risky or abusive financial products. The congressional calendar meant that further delay could imperil the legislation's chances, he said. The chief Republican negotiator on the bill, Sen. Bob Corker of Tennessee, called Dodd's decision "very disappointing" and said, "There's no question that White House politics and health care have kept us from getting to the goal line."

Corker said the impasse was caused by the Democratic threat to use the parliamentary procedure known as reconciliation to overhaul health care. "The elephant in the room is reconciliation," he said, describing Dodd as "a victim of health care policy."

The White House, which has called the legislation one of its top priorities, rejected that explanation. "Republicans in the Senate are going to have to ask themselves why they would stand in the way of financial reform," Obama's press secretary, Robert Gibbs, said at a news conference.

Gibbs, who said that "lobbyists are being hired hand over fist to kill financial reform," said of lawmakers: "I don't believe many are going to want to go home and face voters next No-

vember not having done something."

While Dodd and Corker took pains to praise each other and held out hope that a compromise could still be achieved, the developments clearly made the prospects for the legislation more difficult.

Dodd said he intended for the committee to take up formal consideration of the bill during the week of March 22, with the goal of a committee vote before Congress recesses on March 26. "As time moves on, you just limit the possibility of getting something done, particularly a bill of this magnitude and this complexity," he said.

But Corker said it "would be a travesty" to push a bill of such length and complexity through in one week.

The lack of agreement put the process closer to a showdown. Democrats, who control 59 votes in the Senate, would have to successfully woo at least one Republican to achieve the 60 votes needed to overcome a filibuster.

Study sees efficiency, not natural gas, as best way to meet future energy needs

By Tom Fowler and Brett Clanton

HOUSTON CHRONICLE

The big buzz at the CERAWeek conference may be natural gas, but a new study says it's time to light a fire under energy efficiency to meet future energy demands.

The study, unveiled Thursday at IHS Cambridge Energy Research Associates' annual meeting in Houston, says that of all the options available, efficiency is the best way to improve the supply-demand balance quickly while keeping costs low and greenhouse gas emissions in check.

"It's the one thing that's really embraced across the spectrum," said Daniel Yergin, chairman of IHS CERA. Enthusiasm for efficiency is high "around the world, at the top of the energy agenda, whether you're talking about China, Europe or the United States."

That enthusiasm will be needed

because doubts remain about the other paths to a cleaner energy future.

The "Shale Gale," as CERA has dubbed the surge in natural gas production, can't do the job alone, a number of panelists said Thursday on the fourth day of the five-day conference.

"We need to be careful thinking everything will be solved by cheap natural gas," said Theodore Craver, chairman and CEO of electric giant Edison International.

And expanding shale gas drilling to Europe and elsewhere may not be as easy as some expect, warned Jean-Francois Cirelli, vice chairman and president of GDF SUEZ.

The location of the shales is not as well known in Europe as in the U.S., and shale development requires enormous amounts of water and more rigs per acre than conventional drilling. With their smaller land mass, Europeans are more likely to bristle at drilling, Cirelli said.

And technologies like carbon capture and storage, which many see as a way to neutralize the impact of fossil fuel consumption on the environment, face significant technological, political and economic barriers.

Underground carbon storage is essentially putting waste under people's property, said Dan Duellman, director of new generation and carbon capture at American Electric Power.

Texas might be comfortable with the storage, given its long history with the oil and gas industry, he said, but carbon storage might be a harder sell in other parts of the country, never mind getting rate-payers to fund the projects.

The high upfront cost of such projects, which may not always result in usable storage sites, is also hard for utilities to swallow, said Jon Long, vice president of asset development for Entergy.

Lexus, a Toyota brand, avoids taint from recalls

It has been a rough few months for Toyota because of its three big safety recalls. But the automaker's luxury division, Lexus, appears to have avoided much of the fallout.

Even though a Lexus ES 350 was involved in a widely publicized accident before the recalls, Lexus sales are up about 5 percent so far in 2010 compared with last year. That is close to the average for other luxury brands.

By contrast, sales of models with the Toyota name plate fell 15 percent.

The number of Lexus owners shopping for a new Lexus increased from December to February, while the number of Toyota owners planning to stay with the brand declined, according to Kelley Blue Book, which tracks vehicle sales and values. Lexus residual values have held steady as Toyota's have fallen slightly.

Analysts said that sales of Lexus have held up partly because the brand is not included in the most serious recall for sticking accelerator pedals.

Not one of the eight models that Toyota temporarily stopped selling and building was a Lexus.

Only about 500,000 Lexus cars have been recalled, compared with 8 million Toyota-brand models.

—Nick Bunkley, The New York Times

Democrats struggle to finish health bill

WASHINGTON — House and Senate Democratic leaders struggled Thursday to stitch together pieces of a final health care bill as rank-and-file Democrats demanded more information about the contents of the bill and its cost.

Leaving a meeting of the House Democratic Caucus, lawmakers said they had received few details about what would be in the legislation, on which they may be asked to vote in the next week or two.

"Everyone expressed frustration that we do not have comprehensive cost estimates from the Congressional Budget Office," said Rep. Gerald E. Connolly, D-Va.

In addition, lawmakers said, they were not given the text of the latest legislation drafted by House and Senate Democratic leaders and the White House to address widespread concerns about the bill passed by the Senate in December.

Speaker Nancy Pelosi, D-Calif., said the House would soon approve the Senate bill and a separate package of changes, using a procedure known as budget reconciliation to avoid the threat of a filibuster against the second bill in the Senate.

Rep. Anthony D. Weiner, D-N.Y., said it was difficult for lawmakers to know how they would vote on a bill they had not seen.

House Democrats said Pelosi had assured them they would have at least one week to examine the text of the budget bill before voting on it.

—Robert Pear and David M. Herszenhorn, The New York Times

Airline group lowers loss forecast for 2010

A leading airline trade group cut its forecast for industry losses this year in half on Thursday because of what it said was a stronger-than-expected economic recovery in emerging markets, especially in Asia and Latin America.

The trade group, the International Air Transport Association, had been predicting 2010 losses of \$5.6 billion as recently as December amid concerns that unsold seats and empty cargo holds would keep a lid on revenue. The new forecast was for a loss of \$2.8 billion

"Passengers are returning to flying," Giovanni Bisignani, the association's secretary general, said at a news briefing. "While it is still too early to celebrate, this is a good signal for the economy."

The association raised its forecast for 2010 passenger traffic growth to 5.6 percent from 4.5 percent, compared with a 2.9 percent decline in 2009. Cargo traffic, which fell 11 percent in 2009, is now expected to rise 12 percent this year, up from a December forecast of 7 percent growth.

But the global growth picture remains uneven, the association

North American and European markets were lagging, with gains in international passenger demand of just 2.1 percent and 2.3 percent, respectively, in January.

—Nicola Clark, The New York Time

Hsbc now says data of 24,000 clients stolen

PARIS — HSBC said Thursday that the theft of Swiss client data at the heart of a recent tax dispute with France was much larger than it previously acknowledged.

The revelation was the latest in a fight over tax evasion that has strained relations between Switzerland and its neighbors.

The theft, carried out about three years ago by a former employee of HSBC's private banking unit, involved about 24,000 accounts, the bank said. They included about 15,000 existing clients who had accounts with the bank in Switzerland before October 2006, as well as 9,000 closed accounts, HSBC said.

The private banking unit, which has about 100,000 clients, said last year that encrypted data pertaining to no more than 10 clients had been stolen.

"The bank does not believe that the stolen data has or will allow any third party to access any client account," HSBC said, adding that no data was compromised for any of its branches outside Switzerland.

Nonetheless, the breach has created the possibility that governments will find ways to use the data to pursue tax cheats, just as officials in Germany have turned to a set of stolen computer files bought from an unknown person to encourage tax evaders there to come clean

—David Jolly, The New York Times



Chairman Steve Howland '11 Editor in Chief Jeff Guo '11

Business Manager Greg Steinbrecher '12 Managing Editor

David M. Templeton '08

Executive Editor

Natasha Plotkin '11

NICIAIC CTATI

Editors: John A. Hawkinson '98, Pearle Lipinski '12, Ana Lyons '12, Robert McQueen '12; Associate Editors: Maggie Lloyd '12, Meghan Nelson '13, Jessica J. Pourian '13; Staff: Vinayak Ranade G, Daniela Cako '09, Elijah Jordan Turner '11, Jingyun Fan '12, Danielle Gorman '12, Ziwei Hao '12, Camille Z. McAvoy '12, Sandhya Rawal '12, Zeina Siam '12, Jiyeon Baek '13, Margaret Cunniff '13, Joy E. Lee '13, Yuliya Preger '13, Divya Srinivasan '13; Meteorologists: Brian H. Tang G, Allison A. Wing G, Angela Zalucha G, Elizabeth Maroon '10, Vince Agard '11.

PRODUCTION STAFF

Editors: Connor Kirschbaum '13, Aislyn Schalck '13; **Associate Editors:** Divya Chhabra '13, Joanna Kao '13; **Illustrator:** Alison Malouf '12.

OPINION STAFF

Editors: Joseph Maurer '12, Ethan Solomon '12; Staff: Florence Gallez G, Alejandro Rogers B. G, Gary Shu G, David Weinberg G, Keith A. Yost G, Josh Levinger '07, Daniel Yelin '10, Nina Sinatra '12, Ryan Normandin '13, Erasmus K.H.J. zu Ermgassen CME.

SPORTS STAFF

Editors: David Zhu '12, Russell Spivak '13; Staff: Aaron Sampson '10, Michael Gerhardt '12, Nydia Ruleman '12.

ARTS STAFF

Editor: Maggie Liu '12; Associate Editor: Samuel Markson '12; Staff: Sudeep Agarwala G, Bogdan Fedeles G, Matt Fisher '10, Joyce Kwan '10, Praveen Rathinavelu '10, Joanne Y. Shih '10, Kevin Wang '10, Tracy Kambara '11, Sun K. Kim '11, Yü Linlin Huang '13, Emily Nardoni '13, Jenny Xie '13.

PHOTOGRAPHY STAFF

Editors: Vibin Kundukulam '11, Jessica Liu '13; Associate Editors: Sunny X. Long '13, Sam Range '13; Staff: Vincent Auyeung G, David Da He G, Perry Hung G, Aviv Ovadya G, Sheng-Ying Aithne Pao G, Arthur Petron G, Melissa Renée Schumacher G, Martin Segado G, Noah Spies G, John Z. Sun G, Scott Johnston '03, Martha Angela Wilcox '08, Eric D. Schmiedl '09, Biyeun Buczyk '10, David Chen '10, Helen Hou '10, Monica Kahn '10, Corey Kubber '10, Alice Li '10, Diane Rak '10, Jongu Shin '10, Christian J. Ternus '10, William Yee '10, Michael Yu '10, Dhaval Adjodah '11, Jasmine Florentine '11, Dan Kubaczyk '11, Michael Y. McCanna '11, Michael Meyer '11, Aaron Thom '11, Allison M. Alwan '12, Yuanyu Chen '12, Nicholas Chornay '12, Rachel Fong '12, Jessica Lin '12, Rui Luo '12, Andrew Shum '12, Meng Heng Touch '12, Jennifer L. Wong '12, Feng Wu '12, Melanie Adams '13, Arfa Aijazi '13, Elizabeth D'Arienzo '13, Cole Houston '13, Elijah Mena '13, Sean Tang '13, Oscar A. Viquez Rojas '13.

CAMPUS LIFE STAFF

Editor: Michael T. Lin '11; Staff: Roberto Perez-Franco G, Christine Yu '11; Cartoonists: Michael Ciuffo '11, Ben Peters '11, Michael Benitez '12.

BUSINESS STAFF

Advertising Managers: Mark Thompson '11, Moya Chin '13; **Operations Manager:** Sherry Yan '11; **Staff:** Wendy Cheng '13, Jennifer Fong '13.

 $\underline{\mathit{TECHNOLOGYSTAFF}}$

Director: Quentin Smith '10; **Staff:** Greg Brockman'12.

EDITORS AT LARGE

Contributing Editors: Austin Chu G, Michael McGraw-Herdeg G, Nick Bushak'10, Caroline Huang'10, Monica Gallegos'11, Robin L. Dahan'12; Senior Editors: Brian Hemond G, Charles Lin G, Satwiksai Seshasai G, S. Balaji Mani'10, Andrea Robles'10, Jessica Witchley'10, Arkajit Dey'11.

ADVISORY BOARD

Paul E. Schindler, Jr. '74, V. Michael Bove '83, Barry S. Surman '84, Robert E. Malchman '85, Deborah A. Levinson '91, Jonathan E. D. Richmond PhD '91, Karen Kaplan '93, Saul Blumenthal '98, Frank Dabek '00, Daniel Ryan Bersak '02, Eric J. Cholankeril '02, Jordan Rubin '02, Nathan Collins SM '03, Keith J. Winstein '03, Akshay R. Patil '04, Tiffany Dohzen '06, Beckett W. Sterner '06, Marissa Vogt '06, Andrew T. Lukmann '07, Zachary Ozer '07, Omari Stephens '08, Marie Y. Thibault '08, Ricardo Ramirez '09, Nick Semenkovich '09, Angeline Wang '09, B. D. Colen.

PRODUCTION STAFF FOR THIS ISSUE

Editors: John A. Hawkinson '98, David M. Templeton '08, Aislyn Schalck '13.

The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during he academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer by The Tech, Room W20-483, 84 Massachusetts Avenue, Cambridge, Mass. 02139. Subscriptions are \$50.00 per year (third class). POSTMASTER: Please send all address changes to our mailing address: The Tech, Po. Box 937029. Cambridge, Mass. 02139-7029. TELEPHONE: Editorial: (617) 253-1541. Business: (617) 258-8224. Facsimile: (617) 258-8226. Advertising subscription, and typesetting rates available. Entire contents © 2010 The Tech. Printed on recycled paper by Mass Web Printing Company.

CORRECTIONS

An article on Tuesday misspelled the name of an Undergraduate Association vice-presidential candidate. His name is Pall M. Kornmayer '11, not Cornmayer. The same article incorrectly implied in one instance that Kornmayer is the running mate Ariel A. Torres '12 running mate. Torres's running mate is actually Jarrett R. Remsberg '11. Kornmayer is the running mate of Ian P. Tracy '11.

An article last Tuesday about how the human genome folds in 3-D made several conceptual errors regarding Lieberman-Aiden's research on the fractal globule model. The article incorrectly stated that the evidence suggesting a fractal globule implies that "the genome separates into two clear compartments: one where stretches of DNA are known to be active, and another where DNA is inactive and stowed away for future use." Instead, this compartmentalization of the genome is an observation that

was made by the Hi-C team at a larger scale, and is unrelated to the presence of a fractal globule at the smaller scale.

The article stated that "when unstretched onto its two-dimensional, double-helix form, the human genome spans nearly two meters in length," which should read "when unstretched completely in one dimension."

The paragraph stating that the fractal globule can be reduced further to a Peano curve is also inaccurate. The fractal globule is itself a polymer analogue of the Peano curve: The fractal globule signature is seen both in active and inactive regions of the genome, not only "in order to store less often-used genes and pack them more densely" as the article suggests.

The image credits for the fractal and equilibrium globule models were incorrect. These images should be credited to "Leonid Mirny and Maxim Imakaev" and not "Lenoid Mirny and Erez Lieberman-Aiden." Mirny's name was misspelled in these credits, appearing incorrectly as "Lenoid" instead of "Leonid." The credit for the Peano curve graphic is correct.

Paying for Mrs. Fuller

It's time to wind down the Social Security Program

By Keith Yost

STAFF COLUMNIST

In 1935, Franklin Delano Roosevelt signed into law the Social Security Act, an insurance program designed to cover against what were then considered the greatest financial risks in American society: disability, unemployment, loss of spouse or parents, and, most notably, old age. At the time, the poverty rate among the elderly was over 50 percent — the Great Depression had wiped out the savings of many, and older citizens, whose best wage-earn-

In this regard, Social Security is not acting as insurance. It constitutes little more than a forced savings program.

ing years were behind them, were particularly hard hit. By funding the benefits of current retirees with income taxes on current workers, Social Security constituted a major windfall for its first generation of recipients; Ida May Fuller, the very first citizen to receive a Social Security check, paid \$24.75 into the system and received back \$22,888.92 over the course of her lifetime. In this manner, the program theoretically provided a way to spread out the pain of the Great Depression — each generation would pay some ever-declining amount to the previous generation until the entirety of that one monumental loss had been spread out across decades.

However, rather than slowly and widely distribute Great Depression losses, Social Security continues to this day forever kicking the can down the road for future generations to deal with. On some level, Social Security is a sensible insurance program. Unemployment and disability insurance are reasonable risks to insure against, and though some may argue that private markets are capable of providing such coverage, there can be agreement that this is, regardless of who provides it, a valuable service. But the bulk of Social Security — its old-age benefits — are of dubious value as a permanent feature. Old age is not a random calamity to be insured against - absent the prospect of death, one can be quite

certain that a year from now they will be one year older. In this regard, Social Security is not acting as insurance. It constitutes little more than a forced savings program of the worst kind — not only is the rate of return on Social Security savings low because the money is invested in federal securities, but because the government can (and given it's financial situation, must) change the program's benefits over time, retirees can never be certain of what they will be paid. Rather than insure against a financial risk, Social Security manages to *create* risk in financial planning. As a means of helping the elderly, Social Security is horribly counterproductive.

Besides having a negative effect on our economic security, Social Security is destructive to our political processes.

It is in constant need of tinkering due to demographic shifts and changing life expectancies: Social Security has been amended roughly once every five years since its inception, wasting the effort of our legislators.

It allows politicians to hide deficits in discretionary spending: When Social Security is in temporary surplus, it is possible to produce a "balanced" budget simply by ignoring long-term commitments.

It is a source of tension for society, which must periodically play zero-sum welfare games to keep the program afloat.

Our democratic processes are distorted by the self-interest of one generation in securing their piece of the pie (witness the speed with which the AARP will turn on a politician who proposes cutting benefits rather than raising taxes).

It is a drain on our economic well-being, disrupts our democratic government, and leaves us vulnerable to future catastrophic events — were we to suffer a major war, a new depression, a meteor strike, whatever — we would find it difficult to perform the same accounting sleight of hand and spread our losses. We must, at some point, pay off the loss that was incurred. It is not sensible to continue passing on the losses from the Great Depression onto the next generation.

We should establish a schedule of tax and benefit decreases that will wind down the old-age provisions of Social Security. The process can be as simple as the following: next year, we pay retirees 99 percent of their benefits and collect 100 percent of the taxes. The year after that, we pay out 98 percent of benefits and collect 99 percent of taxes, and the year after that, 97 percent of benefits and 98 percent of taxes and so on, slowly dissolving the program over the course of a century.

No one is begrudging Mrs. Fuller her Social Security payments — but let ours be the generation that finally pays for her retirement.



OPINION POLICY

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of Chairman Steve Howland, Editor in Chief Jeff Guo, Managing Editor David M. Templeton, Executive Editor Natasha Plotkin, Opinion Editors Joseph Maurer and Ethan Solomon, Contributing Editor Michael McGraw-Herdeg, and Advisory Board member Andrew T. Lukmann.

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

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

Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will

not be accepted. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. Letters, columns, and cartoons may also be posted on *The Tech*'s Web site and/or printed or published in any other format or medium now known or later that becomes 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.

TO REACH US

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

ON CAMPUS

Turn off your lights

Big improvements in energy can start in the dorms

By Ethan Solomon

OPINION EDITOR

Here at MIT, we're all about coming up with creative solutions to big problems. It's just what we do best. But sometimes, it pays to remember that small, simple solutions can add up to solve big problems.

Take energy. Last year, President Obama delivered an address in Kresge that urged the nation's scientists to follow MIT's example in pursuing clean energy solutions like wind and solar power; efforts the MIT Energy Initiative has been admirably leading since 2006. But short of developing a revolutionary technology that will power the whole world, students have to do their part to help the planet by cutting back on energy waste. And that means lifestyle changes.

When I lived in MacGregor House, I didn't really give much thought to how much electricity or heat I used. I was paying a flat semester fee to live in the dorm, and that wouldn't change regardless of how long I left my lights on or how high I cranked the heat up. Sure, I made sure to turn off my lights when I went to class, but I'm ashamed to admit that was the practical limit of my conservation efforts.

Moving to my own apartment off campus changed my perspective on watching my energy use. And it wasn't because I was inspired from a re-watching of "An Inconvenient Truth." It was the money. I'm no longer on the MIT grid, and I no longer have access to basically unlimited supplies of free electricity and steam. Instead, I pay by the kilowatt-hour for every joule I use. Making sure to turn off my lights or unplug my laptop is no longer an intangible contribution to saving the global ecosystem: It's real dollars that come out of my pocket at the end of every month. And as unfortunate as it may be, in this world, money talks.

The upside is that I've cut back drastically on my heat and energy use. I make sure to turn down the thermostat when I leave for class and before I go to bed. I bought energy-saving fluorescent lights and I'm always vigilant about keeping them off when I don't need them. I even weatherproofed the windows.

This doesn't make me a saint, but it should say something about wasteful energy use in the dorms. There's no reason to keep your window open and your heater at maximum in the middle of January. The TV doesn't need to be on when you're not even watching it. The world could do without your server and the funny cat pictures it hosts.

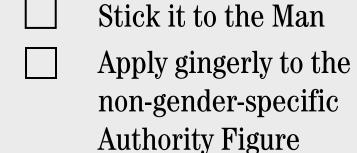
Think about how you'd change your habits if dorm fees only covered a finite number of kilowatt-hours of electricity (or therms of gas) per month, and if any usage above that came out of your own pocket. That's how the real world works, and you should start getting used to it now. You may need to get used to it now as well, as the Institute-wide

Think about how you'd change your habits if dorm fees only covered a finite number of kilowatt-hours.

budget Task Force Report has suggested metering energy use in the dorms. In the future, it's entirely possible that you actually will need to change your dorm energy habits. But you can feel good about the change, because you'll be doing your part to save the world. Isn't that what we're here to do?

On Campus runs every Friday and features opinions about campus issues.

Check one:



Write Opinion for *The Tech* opinion@tt.mit.edu





UA UPDATE

Voting begins next week

Senate met on Monday, March 8. Before the regular proceedings, Chancellor Phillip L. Clay PhD '75, Dean for Student Life Chris Colombo, and Dean for Undergraduate Education Daniel E. Hastings PhD '80 came to Senate for a town hall meeting. Discussion with the chancellor and deans centered on the implementation of the Institute-wide Planning Task Force recommendations and possible changes to dining.

The Senate adopted the Financial Policy Review Committee's final report, which sets forth best practices for UA finances, and an updated Class Council Constitution. Kashif Rayani was approved as an undergraduate student representative to the Resources Map Committee. Ashwini A. Gokhale '13 was confirmed as the chair of the Communications Committee, and Elizabeth A. Denys '11 was confirmed as the chair of the Enrollment Committee. Senate allocated money to the Stand-Up Comedy Club from the Fresh Fund.

Electronic voting in the UA elections begins on Tuesday, March 16 at 12:01 am and will go through Thursday, March 18 at 11:59 pm. Paper ballots will be available from 9 a.m. to 4 p.m. on Friday, March 19 in Lobby 10.

Dean Colombo responded to 41 UAS 7.4: Resolution to Ensure Transparency in Dining, which passed last December. His statement, which outlines his commitment to keeping and maintaining kitchens and establishing a new House Dining Advisory Group, is available on the Dining Committee website: http://ua.mit.edu/committees/dining. The final plan for the new dining system is scheduled to be released in May.

Some UA committees are looking for members! Undergraduates interested in joining the UA Nominations Committee, which nominates student representatives to Institute Committees, should e-mail ua-nomcomm-chairs@mit.edu, and those interested in joining the UA Enrollment Committee, which will write a report on how increasing enrollment will affect undergraduates, should e-mail ua-enrollment-chairs@mit.edu.

— Elizabeth A. Denys, UA Secretary General

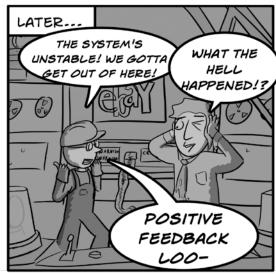


Chancellor Phillip L. Clay PhD '75, Dean for Student Life Chris Colombo, and Dean for Undergraduate Education Daniel E. Hastings PhD '80 answer questions about dining, housing, and the budget during a UA Senate meeting on Monday.

Steal My Comic by Michael Ciuffo









STEALMYCOMIC-COM

Help Desk by Michael Benitez







MORE AND MORE CURIOUS!







WWW.PHDCOMICS.COM

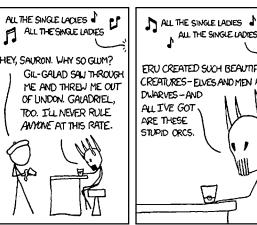
Seismograph

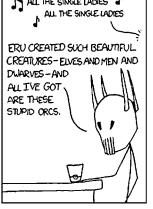


PRO TIP: IN A PINCH, A LIE DETECTOR CAN DOUBLE AS A SEISMOGRAPH.

has a nervous twitch. The reverse only works if the subject

Single Ladies



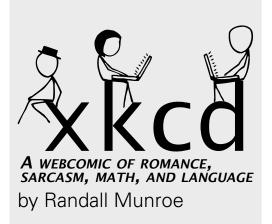






there. Also, the apparently eager Beyoncé would've made one badass Nazgül. Using a ring to bind someone you covet into your dark and twisted world? Wow, just got the subtext

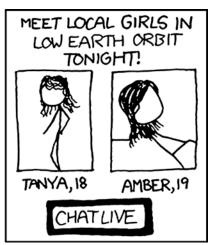
GeolP



FUN FUN FUN FUN FUN FUN

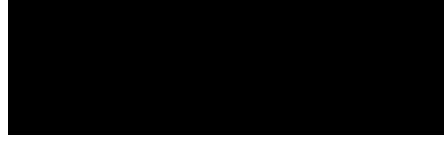






'Meet hot young singles in your mom's basement today'? Man, screw you, GeolP.

Doonesbury by Garry Trudeau







Dilbert® by Scott Adams







Easy Sudoku

Solution, page 14

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

Hard Sudoku

Solution, page 14

4	8	1				5		
			5	3		8		
5			1					
	2			6	1	9		
		5	2		0	7		
		9	4	5			2	
					2			9
		8		4	3			
		2				4	6	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.

Crossword Puzzle

Solution, page 14

ACROSS

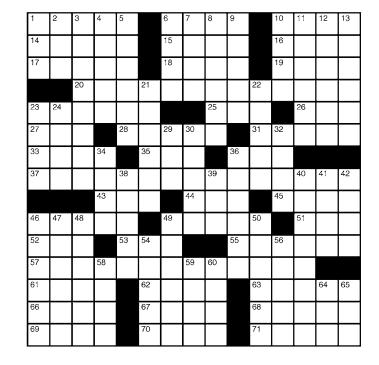
- 6 Tooth display
- 10 Spiders' snares 14 Dancer Astaire
- 15 Top-notch
- 16 Idle or Clapton
- 17 "The Count of __ Cristo"
- 18 Scottish lake 19 John Wayne's nickname
- 20 Test drives?
- 23 Red table wine
- 25 Not talking
- 26 High explosive
- 27 Show of affection
- 28 Poet's forte
- 31 Sahara spring
- 33 Medicinal succulent
- 35 Romantic introduction?
- 36 Sing without words 37 Shows up?
- 43 Cul-de-_
- 44 Container with a tap
- 45 Patella's place
- 46 Trini or Jennifer
- 49 Grasp tightly
- 51 Roseanne's TV husband

- 52 King or mode lead-in
- 55 Prognostication
- 57 Tries out?
- 61 Old Nick's knack
- 62 Soft, French cheese
- 63 Housing contract 66 Place to skate
- 67 Ill-mannered
- 68 Calendar notations
- 69 Yields to gravity
- 70 Stat equivalent 71 Pricey

DOWN

- 1 Shriver or Dawber
- 2 Commotion
- 3 Five-sided figure
- 4 Table for worshipers
- 5 One on a quest 6 Dames
- 7 Place to hang a shingle
- 9 Indian statesman
- 8 Financial gain
- 10 Ties the knot
- 11 Bursts out
- 12 Two-piece suit

- 13 Fragrances
- 22 Love on the Loire
- 23 Burn a bit
- 24 Dilly 29 Hankering
- 30 Snowboarder's bump
- 32 Out of control
- 34 Latin I verb
- 36 "__ and Her Sisters"
- 38 Demolishes
- 39 __ Lanka
- 40 Gently wave
- 41 Approach
- 42 Say it isn't so
- 46 Certain beers
- 47 __ Newton-John
- 48 Road making
- 49 Lemon, orange, etc.
- 50 Trade unions 54 Heavenly scales
- 56 Like Gatsby
- 58 BPOE members 59 Verdi opera
- 60 Bawl
- 64 Told ya!
- 65 Psychic letters



Surfer Blood packs Great Scott to the rafters

Quirky lo-fi indie rock from, of all places, Florida

By Matt Fisher

When was the last time you witnessed a teenaged Floridian play a guitar with his mouth? Those attending Surfer Blood's most recent show saw that and other wonders: two drum kits and five musicians squeezing onto a stage designed for flea circuses, and the re-emergence of the cowbell as a rock instrument. Simply constructed. tightly orchestrated, and featuring two prominent, over-amplified guitars that reject the "lead/ rhythm" stereotype, Surfer Blood songs - specifically "Swim" and "Fast Jabroni" — evoke the Pix-

If any one band could recreate a Pavement song, my money would be on Surfer Blood

ies at their very best on *Doolittle* (1989). Whether this influence is direct or inherited through their unabashed Weezer-worship is hard to say. Driving their similarities with Weezer home, Surfer Blood strummed the first 4 bars of "Sweater Song" during the encore, only to stop abruptly and mock the crowd for its gullibility.

Though the similarities to older bands abound, Surfer Blood differentiates itself from its musi-

Surfer Blood March 1, 2010 Great Scott, Boston

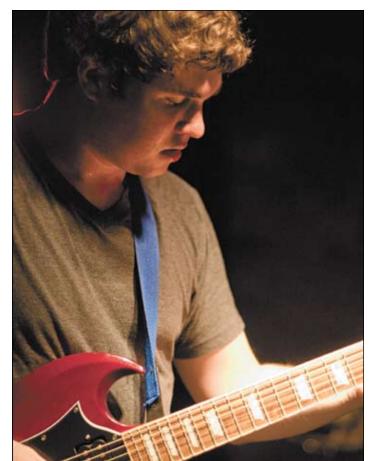
cal predecessors in several ways. A five-man lineup, Surfer Blood sports a three man front and two drummers: the first a standard drum-kit pounder, the second a talented percussionist responsible for extra drums, cowbells, keyboard, maracas, and a series of other noisemakers that augment Surfer Blood songs. It eradicated white noise and provided an alltogether, fuller sound than most other pop-fi bands muster.

Playing all ten songs off their album Astro Coast (2010) and two ill-rehearsed new tracks, Surfer Blood displayed tremendous musical talent, stretching the studio versions of their songs into longer, louder, showier variations of themselves. Of particular note was the six-minute rendition of "Take It Easy," featuring a wonderful guitar solo and adorable camaraderie between the bands lead singer and the guitarist as they pushed their foreheads together for several moments, reveling in large crowd's enthusiasm and applause. Lapping up the applause of the young hip-looking audience, the lead guitarist felt confident enough to display a little technical mastery like playing his guitar backwards, upside down, and one time, with his mouth.

Surfer Blood is composed of freshmen from the University of

Florida. Although clearly talented, one can still see their relative inexperience on stage in the tangled chords and inability to establish a rapport with the audience. Surfer Blood also still struggles slightly with their slower songs, a trait frequent among young bands: Their ballads fall short of the high bar set by their up-tempo tracks. Sometimes bands like Surfer Blood, having not yet developed a slow-tempo style of their own, try too hard to imitate the very best of the genre, and end up biting off more than they can chew - brazening their way through a song that should have been played by Stephen Malkmus or Thurston Moore. Comparing their slow and fast tracks seems unfair as their fast songs are so effing good, but mastering the art of the slow song might save them a sophomore slump. (No pun intended.) That being said, no band develops without trying new things, and if any one band could recreate a Pavement song, my money would be on Surfer Blood.

"The last time we were in Boston, there were three people" complained the drummer to Monday night's sold out show. I don't know if the observation is strictly true, but Surfer Blood's meteoric rise in popularity is a fact. Critically acclaimed and well-timed to enjoy to resurgence of lo-fi rock in popular music, Surfer Blood has legs. Their success is made even more incredible when you remember that they are from Florida. After some [read: very little] research, the last good bands to come out of Florida were



PETER H RIGAN

Despite looking too young to have heard of Kim Deal or Ira Kaplan, lead vocalist and guitarist for Surfer Blood Jean Paul Pitts wears his 90's rock influences on his sleeve.

Tom Petty and the Heartbreakers, preceded by the Allman brothers. We're talking a good band every couple of decades.

I spoked with the guitarist briefly after the show, and he promised

a new EP in the fall. I hope that's true, because I'm wearing out the MP3s on my computer listening to *Astro Coast* over and over. I've got to have more cowbell, and Surfer Blood is my number one source.

MOVIE REVIEW

The raw side of love

Robert Pattinson is brooding but not teen-angsty in Remember Me

By Danielle Gorman

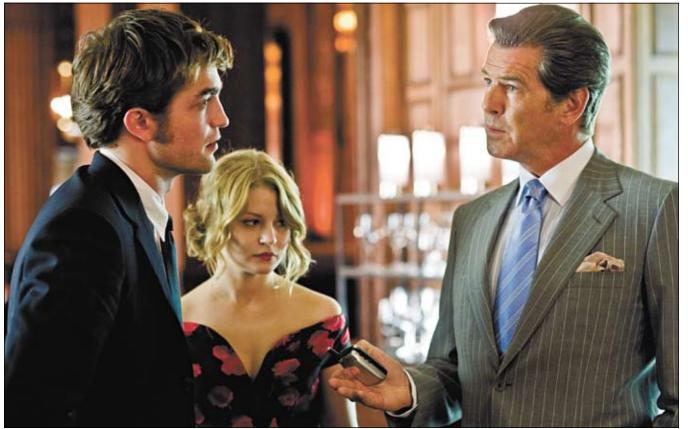
By the end of the *Remember Me*, Robert Pattinson proves, through a nuanced portrayal of the enigmatic protagonist Tyler Hawkins, that his acting career will outlive *Twilight*.

Tyler is a brooding college-aged nihilist with intense emotional issues and a complex family life. After being arrested and roughed up by the gruff and middle-aged Sergeant Neil Craig (Chris Cooper), Tyler seeks to exact revenge with the encouragement of his alcoholic best friend Aidan Hall (Tate Ellington). Hall urges him to capture and crush the heart of Ally, the mysterious daughter of Sergeant Craig. However, Tyler's scheme is less Cruel Intentions as he finds himself enraptured with Ally after one date. During the months that follow the two deal with the immense struggle of life's difficulties and their own unique challenges in defining themselves both within and outside of their intense relationship.

I went into the movie with both the expectation and desire of seeing perfect love triumphing, untainted by complications or pain. Although the film initially appeared as though it would deliver exactly what I had anticipated, it ultimately offered a much deeper message. The thorny relationship between Ally Craig (Emilie de Ravin) and Tyler gives a painful and genuine peek into the roller-coaster nature of love. Remember Me presents a refreshingly realistic portrayal of a couple falling in — and then struggling with — love. Robert Pattinson still plays the brooding, sallow-faced protagonist but the angst is less over-the-top and more directed. With Tyler's help, Ally cautiously uncovers her sensuality and reveals her emotional fragility. Ally proves to be more than the overprotected girl-nextdoor. Armed with eyes like glaciers, de Ravin delivers an amazing performance as a girl who finally realizes she wants to truly live life instead of constantly seeking ap-

proval and playing it safe.

Other relationships in the film high-



COURTESY OF SUMMIT PICTURES ENTERTAINMENT

Remember Me is a surprisingly thought-provoking look at family tensions. Robert Pattinson shows he is more than a vampire.

light the theme of growth and redemption. Although Tyler shows nothing but anger towards his callous and emotionally stinted father, Tyler's nurturing behavior towards his precocious 11-year-old sister Caroline provides insight into the duality of his nature. Family tensions, especially between Tyler and his father Charles (Pierce Brosnan) demonstrate the difficulties that we often have in communicating and giving unconditional love to one another. Various side plots provide similarly astute observations about the complexity of human nature. The film beautifully jux-

taposes delicateness and strength. Ultimately, the movie's success lies within its heart wrenching depiction of life's complications.

Although it takes itself a bit too seriously at times, *Remember Me* offers a raw and bittersweet look at the realities of love. The film emphasizes the journey to growth and redemption. While the movie successfully conveys this message, at times it seems as though the film maker is bent on driving the point home, resulting in unnecessary complications. This film shows what love can really give — or take away. When you

Remember Me
Directed by Allen Coulter
Starring Robert Pattinson,
Pierce Brosnan, Emilie de
Ravin

Rated PG-13, opens Mar. 12

leave the theater, you will walk away pondering the intricate links that bind together hope, destruction, and growth.

Friday, March 12, 2010

STORE REVIEW

Central Bottle excites the palate

A small but exquisite selection of wines and cheeses makes Central Bottle a must-visit

By Praveen Subramani, David M. Templeton, Martha Angela Wilcox, and Dmitry Ter-Ovanesyan

Just up Massachusetts Avenue, past Albany Street and across from IS&T Headquarters sits the recently opened Central Bottle Wine & Provisions. Central Bottle is a delightful shop opened by a team of four - including three veterans from the Cambridge restaurant scene - seeking to recreate the atmosphere of an Italian enoteca, an intimate wine storehouse where people can gather to taste wines and small plates of food. The shop's wine selection is focused on small production, handcrafted, organic and biodynamic wines from around the world, so their offerings differ significantly from that of other Cambridge stores such as Trader Joe's or the Harvard Wine Company. With its hefty wine racks that double as tables and its beautifully designed glass front, Central Bottle offers an exciting escape from the otherwise dreary and unremarkable walk up Mass Ave.

Along with the emphasis on small producers comes slightly higher prices for many of the bottles, though there is a student-friendly "\$15 and under" wine rack with an ample range of wines spanning the classic French appellations, Argentinean Malbecs, and even a red blend from Lebanon's Bekaa Valley. The wine racks are categorized both by region and by varietal and present a vast variety. For those looking to explore new regions, labels, and even blends of wine, Central Bottle's modest but original selection hits the spot.

Since so many of the wines may be unfamiliar, Central Bottle's friendly and helpful staff are generally quite eager to assist customers navigate the store's diverse collection. However, during the stores' tasting classes, wine bars, and rush hour times, it can sometimes be difficult to catch the attention of the staff. We tasted one of the staff recommendations, the 2006 Fitou "Chasse Gardee" from the Mont Tauch Cooperative in southern France, made from a pleasant, full-bodied blend of varietals. Our favorite, though, was a 2008 Pinot Blanc from the Lucien Albrecht winery in the Alsace region of France. This lovely Pinot Blanc was refreshingly crisp with strong fruit flavors and aromas of honey and lemon, all for the reasonable price of \$14.

In addition to the broad variety of wines, Central Bottle also possesses two shelves devoted to beers. Though the beer stock is very small, this is the place to go if you're looking for a vendor that reliably markets good beer without offering an overwhelming selection. The limited selection of American breweries partially includes Stone, Wachusett, Allagash, and Cisco. Notably absent is one of America's most creative and fastest growing craft breweries: Dogfish Head. The limited selection of foreign breweries partially include Samuel Smith, Duvel, Chimay, and Weihenstephaner. Weihenstephaner in particular is notable for offering excellent quality brews at a bargain price point. Central Bottle's beers undoubtedly provide a refreshing alternative to the typical Cambridge liquor store, finally giving MIT students no excuse to not forgo mass-market beers and sample some truly tasty craft brews instead. Further encouraging are the reasonable prices that do not feature the markup of most Massachusetts Avenue retailers. The limited selection of high quality and well-priced beers encourage customers to experiment and purchase something novel.

Central Bottle also showcases a variety of cicchetti (small snacks served in Italian wine bars, akin to Spanish tapas or Basque pintxos), cured meats, and local cheeses. While the shop's cheese counter is no replacement for a dedicated cheese purveyor and the selection here does not rival that of Formaggio or even Whole Foods, the staff were friendly, knowledgeable, and most importantly, patient. They will happily provide samples of any of the larger wheels, a very welcome offering given that many of their cheeses are in the \$20-\$25 a pound range. The cheese selection is focused on cow and goat milk cheeses and though some characteristic cheeses such as Morbier and Mimolette were not available, the cheese counter is great to pick up some cheese for a dinner party or satisfy a craving while you pick up a bottle of wine. Some of the highlights from the cheeses we sampled included the Von Trapp Farmstead's Oma, a washed-rind raw cow's milk from Vermont with earthy and



Central Bottle's storefront display of wine bottles courts pedestrians along Massachusetts Avenue.



DAVID M. TEMPLETON—THE TECH

The helpful and knowledgeable staff can help you make a food or drink selection, and in the case of cheeses, provide you with near-infinite free samples.

buttery flavors and a smooth texture, and the Humble Pie, a creamy and rich cow's milk cheese from Weston, VT. Though many of the cheeses are on the pricier side, most of

Given its proximity to MIT and its unique selection of products, Central Bottle is great pick for a tasty bottle of wine

the cheese selection is domestic so customers save money on import fees and know that their cash is supporting smaller, local cheesemakers.

Central Bottle also stocks \$2-\$4 loaves

from Iggy's Bread, known for its scrumptious hearth-baked bread with perfect crust and airy interior. And a small selection of chocolate and sweets (including some truly outstanding macaroons) graces the checkout counter to entice your sweet tooth.

Central Bottle's most unique feature is their tasting events, which typically occur two to three times a week and showcase a particular varietal, vineyard, or region. Every Thursday evening from 5 to 9 p.m., the shop hosts its signature Thursday Wine Bar and provides a warm, friendly environment for customers to taste wines while sampling cicchetti. Some of the tasting events, particularly the classes, even boast live Skype video-calls to vineyard owners or managers so that customers can sample the best of a region's offerings while learning about the production process and flavors of the wine directly from the winemakers. Central Bottle's well-designed website has a full listCentral Bottle
Wine & Provisions
196 Massachusetts Avenue
www.centralbottle.com

ing of upcoming events including wine bars with featured wines, guest chefs, tasting

classes, and "Meet the Winemaker" events.

Given its proximity to MIT and its unique selection of products, Central Bottle is a great pick for a special bottle of wine and some tasty accoutrements. With Boston's renowned Flour Bakery + Café opening its third location next door to Central Bottle in early summer, this block of Massachusetts Ave. is sure to be a gourmand hotspot for food and wine, reinvigorated by the presence of small, conscientiously-managed stores that focus on high quality products.

(C) FEATURE

2010 Oscars recap and reflections The top moments from this year's ceremony

By Emily Nardoni STAFF WRITER

It's that time of year again: Academy Awards season. Every year, Hollywood's most popular and talented actors, actresses, and filmmakers come together to honor each other in a night full of fashion, comedy, and extravagance. This year's Oscars were as surprising as they were fun to watch. Whether you missed the big show for the sake of your GPA, or are in denial that an entire year separates us from the next Academy Awards (like me), I've compiled below just some of the evening's many memorable moments.

The fashion

Although it has nothing to do with the awards themselves, "who wore what" is almost as popular a topic as the Oscar recipients themselves. This year, metallic tones reigned over the red carpet, as best showcased by Cameron Diaz and Sandra Bullock. Other fashion highlights include Penelope Cruz's deep red twisted-origami bodiced gown and Rachel McAdams's wispy floral dress. Controversial outfits included Sarah Jessica Parker's yellow dress seemingly inspired by Cleopatra, and Charlize Theron's Christian Dior number with silk rosettes positioned "artfully" over her bosom.

Neil Patrick Harris

The show's introduction gets more and more outrageous by the year, and this time around was no exception. So what did this opening number have that previous years didn't? Neil Patrick Harris. Harris got the Oscars off to a lively start with a surprise song and dance routine, topped with raunchy lyrics and a black sequined tuxedo. This over-the-top opener got everybody laughing and served as the perfect introduction for hosts Steve Martin and Alec Baldwin.

Making fun of Avatar

RTS ARTS ARTS ARTS

Though Avatar failed to take home any of the bigger awards (it won for visual effects, art direction, and cinematography), it was definitely the most poked fun of, throughout the night. At the beginning of the show, hosts Alec Baldwin and Steve Martin earned laughs by swatting away CGI jelly-

fish-type creatures from the film. But the most memorable Avatar moment by far was Ben Stiller's highly realistic impression of the Na'vi. Stiller presented the award for best makeup with a painted blue face and long braid characteristic of the Na'vi in Avatar, spoofing such now-infamous lines as "I see you."

Precious best adapted screenplay acceptance

When Precious - the muchtalked about tale of poverty and abuse — won the award for best adapted screenplay, the applause was long and well-deserved. Geoffrey Fletcher's acceptance speech was one of the more emotional moments of the evening, as he expressed his sincere appreciation for all those who helped the film make it to where it has.

Stiller presented the best makeup award with a painted blue face and braid characteristic of the Na'vi in *Avatar*

Paranormal Activity parody

The most popular horror film of the year was by far the low-budget Paranormal Activity, and although it had no representation at the Academy Awards, Steve Martin and Alec Baldwin surprised us all with their recorded spoof of the film. In the real movie, a couple decides to film themselves while they sleep in hopes of obtaining a glimpse of the ghost that has been haunting them, and the footage captures the girl getting out of bed and standing creepily still for hours on end. In the Oscar version, Martin and Baldwin get into bed together and the camera fast forwards as they taking various hilarious positions through the course of the night, until Steve Martin, mimicking the original, stands up and over Baldwin for an extended period of time. It was definitely one of the funniest moments of the night (next to Stiller's Avatar impression of course).

Presenting the award for best actor

One of the most intense sequences of the evening was the presentation of the nominees for best actor. A close friend or colleague of each of the nominees stood on the stage and gave a speech praising the merits of their respective actor. These personal introductions — done for the best actress nominees as well - ranged from highly emotional to funny, and brought out the true spirit of the award. In the end, Jeff Bridges won for Crazy Heart.

Bullock wins best actress

Sandra Bullock is far better known for her fluffy romantic comedies, but this year her highly acclaimed performance in The Blind Side earned her her first Oscar. In her emotional acceptance speech, she praised the talents of each of her fellow nominees (Gabourey Sidibe, Meryl Streep, Helen Mirren, and Carey Mulligan), and joked about a kiss she had shared with Streep at the Critics' Choice Awards. As she left the stage in tears, it was more than evident that this was the biggest night of her life. It didn't hurt that her dress, a stunning classic number, practically screamed "I'm ready for my Oscar."

Bigelow wins best director

Kathryn Bigelow's emotional win marked the first time in the history of the Academy Awards that a woman has won best director. Her underdog film, The Hurt Locker, was wildly successful throughout the evening, taking home a total of six awards including best picture. Locker, an independent film that follows a team of United States Army bomb detonators during the Iraq war, faced stiff competition in the category of best picture; for the first time since 1943, when Casablanca took home the Oscar, ten films were nominated in the Best Picture category. Locker's triumph over such fan favorites as Avatar, The Blind Side, and Inglourious Bastards in itself makes this year's Awards notable, and Bigelow's heartfelt acceptance speech including a shout-out to soldiers overseas - was the climax of the



Sandra Bullock won best actress for her turn in football drama The

Blind Side. She looked like a winner too, in her golden Marchesa gown.



THE ACADEMY OF MOTION PICTURE ARTS AND SCIENCES Kathryn Bigelow was the triumph of the night, becoming the first woman to win best director while beating out ex-husband James Cameron. The Hurt Locker won six Oscars, including best picture.



In dazzling fashion, Neil Patrick Harris opened the night with dance moves and a shiny sequined tuxedo.

FEATURE

Love, electrodigital

OkCupid's research into romance will change how we date online and offline

It's Sunday afternoon on OkCupid.com, and 27,942 people looking for love on the Intertubes. They are shooting digital winks and kissy missives into the ether, trying to chat up that cute girl who loves Nabokov, or Mr. Tall-Dark-Handsome-Good-Job-Outdoorsy-on-the-Weekends. It's humanity's oldest social ritual, now 110 percent electrodigitized.

By Charles Lin

Is there really love out there? Can two-dimensional interactions on an LCD screen really substitute for brews at the Thirsty, or an after work softball game? The four former math majors from Harvard who founded OkCupid. com aren't completely sure, but the social experiment unfolding on their website is already changing everything you thought you knew about dating.

The million dollar question

One thing's for certain. On OkCupid, You can't just walk up to someone, say hi, chat them up, and check them out. Instead, it's courtship by proxy. Profiles, questionnaires, pictures.

Looking through profiles, I wonder: What works? What doesn't? Retrovm from New Jersey posts that she's found someone on OkCupid. Did she search for him, or did he reach out to her? Was it her hyper-literate uncapitalized profile sprinkled with cute obscenities and nerdy-hot sentiments like, "i can replace the logicboard in a macbook pro in approximately 31mins.and i can beat super mario bros 3 for the NES in 23mins," that did the trick? Or was it the smattering of coy profile pictures that invited attention?

For the folks at OkCupid, these are million dollar questions. The more they can optimize the online dating experience, the more people will use their service.

One of the founders, Sam Yagan, is on the phone with me to discuss how they got into the business of romantic analytics.

"First, we're data junkies," he says. "All four of the founders are math majors. We just have a predisposition to data. There are all these people in the world who consider themselves to be dating/ relationship experts, but that's flawed. They either approach dating with preconceived notions or they draw on small sample sizes."

True enough. Every supermarket glossy has "ten hot dating tips," or, "tried and tested ways to win him over," bracketing airbrushed celeb photos. Where does this advice come from? And how do they know it works?

Sam contends that much of the relationship advice out there is unreliable, based on small sample sizes, or biased by personal experience.

"For instance, if you're a therapist you're likely to have counseled several dozen clients, but they're not random. There aren't a lot of people who are in a position to give the right answers," he says. "But there's an experiment constantly being done on OkCupid, which is in these dating interactions. Why not aggregate the

Since July 2009, they've been analyzing trends and testing popular conceptions about dating on their blog, OkTrends (blog. okcupid.com). It's one of the first quantitative looks at the science

of online dating.

Much of their analysis is hypothesis driven. For example, a dating blog might advise that profile shots always include eye contact. The team would then classify users based on whether or not they look at the camera, and see which group got more replies.

What did they find? Well, a profile picture with the subject holding booze is a shortcut to rejection alley. In terms of eye contact, girls should always look at the camera. Guys, on the other hand have better odds when they look away from the camera. (Guys also need to stop chasing jailbait on OkCupid, but that's a different

Messages should have nonstandard salutations. You have a higher chance of getting a response if you mention things the recipient likes as opposed to commenting on their physique. Guys, be self effacing in your missives. Women, fear not, you've got twice the chance of getting a response messaging a guy than a guy does messaging you. And for 1337's sake, do not SP3AK L1K3 TH1S. It's about the most unattractive thing possible.

Some of the findings are obvious, but other results are far more unexpected. The attractiveness of single ladies in their 30s doesn't decline as fast as everyone thinks, but oddly, the effectiveness of cleavage balloons the older a lady gets. And sometimes you don't even need to show your face. Folks on the tubes would rather have you do something interesting than be boringly hot.

Is online dating the future for us all?

Exposing these data trends is a start — taking the pseudo out of the science of online dating. But I want to take a step back and look at the bigger picture with Sam.

"Is the future of dating on-

Say I'm 25. I'm just out of college. I'm in a new city. My physical dating pool is essentially the people at work, the people at my local bar, and maybe my alumni network. There are tops maybe 100 people in my age range that I have a decent chance of being compatible with. Now instead, I log onto OkCupid, and immediately find thousands of people who fit my bill within 30 minutes of where I am. Why should I rely on chance to find that special someone when I can essentially

Google my perfect match?" 'I think sole reliance on serendipity is more or else in the past," Sam responds. "Dating shouldn't be too different from any other aspect of your life where the web has become a factor. You would never say I only shop at Amazon.com and refuse to walk into Shaws, or I only use e-mail and refuse to send a card. People are using digital when it makes sense and using offline when it makes sense. [In addition to offline dating, they are just going to have their Ok-Cupid presence. You could be at a bar and be on OkCupid at the



ROBIN L. DAHAN-THE TECH

That last little bit is pretty doublethink, but maybe it makes sense. Cover your bases. Cast a wider net, as they say. Art Garfunkel, I mean Malcolm Gladwell, always bangs on about the capitalization of talent — or how well we use the potential talent pool. Perhaps online dating is simply a better way of finding your fish, just in a bigger sea.

What hasn't been entirely obvious, besides the numbers advantage, is how people portray themselves online. How authen-

Does it work? Do people message, meet up, fall in love and get married thanks to **OkCupid?** Is there really love online?

tic is the courting process? Do we turn into trolling /b/astards as soon as we log on? Are we more interested in spontaneous Chatroulette flashing than forging meaningful connections?

Sam doesn't think so. "I love seeing trends where the online answer is parallel to what you think the offline answer is," he says. "We constantly are trying to mirror the offline dating environment. It's intended to simulate conversation with a friend who's going to set you up on a date. The interpersonal dynamic of dating is something humans have honed over millennia. Just by changing the media from in person to online, I don't think will change that fundamental underlying dynamic."

You can use your asinine online alter-ego, but by the time you start interacting with others, the real you (however scary that might be) will emerge. And just how scary is the real us? I'm flooded by visions of bad MySpace profiles and kissy faces, e.g.

Snooki et al., 2009, Jersey Shore.

The MySpacification of courtship

Are my fears confirmed? Unfortunately, some of the trends that the team uncovered support this downright scary view of a young, superficial dating scene.

For instance, that MySpace kissy face? Yeah, that actually works for ladies, even controlled for excess cleavage caused by the camera angle. For dudes à la The Situation, if you've got the abs, show em. Don't even bother with including the head. You could be Patrick Swayze or Joey Butt-uglyson, it honestly doesn't matter if you're packing six. "Headless horsemen," they jokingly call them on the blog.

Again Sam reassures me that it's not all doom and gloom.

"I think the proof there are redeeming qualities is that the average OkCupid user answers 233 match questions. If OkCupid users were really that superficial, they'd say 'to hell with these questions.' They wouldn't waste time answering questions like whether I think love or wealth is a better pursuit in life."

"Our users invest a lot of time in the non-aesthetic match system which I think is designed to get you your best personality match. Physical attraction is part of who were are as humans, but I think on OkCupid it's much less a driving factor of your experience than on say Match.com"

So we are talking to each other. We are actually looking deeper than cleavage shots and abdominal crenelations. Hope for humanity? Fingers crossed. After publishing some of the do's and don'ts of online dating, Sam has begun to see an improvement online.

"We definitely have seen that people have started to approach things often the way we suggested," Sam says. "I dont think there is such thing as a perfect profile. Each person is going to have a dif-

ferent perfect profile. We've had almost a million people read our blog post on photos. A lot of people are saying I disagree. It's never going to be the case that everyone is the same, because people are looking for different kinds of relationships. If people start putting up better pictures, I think that's great. All that's going to do is make each person's pictures more effective, it doesn't increase homogeneity."

Signing off

So this is what it's like in the online romantic arena.

I see a picture of the user DreamingHelen. In one picture, she's flirting with the camera. In another she appears to be measuring a dead shark. Eye contact and interesting subject matter. Check and check. Her profile weighs in at several hundred words and is replete with details. Check plus. "I'm a nomad, which is a polite term for a bum" she says of herself "I wander around unemployed with a backpack and a banjo." It's the kind of profile that invites a second look, maybe a message, maybe a future meeting.

Will she find that on OkCupid? At the end of the day, it boils down to that one question. Does it work? Do people message, meet up, fall in love, and get married thanks to OkCupid? I ask Sam.

Is there really love on the Intertubes?

He laughs. "The intertubes seem to be working. It's really really hard for us to calculate with any confidence how many marriages/relationships happen. We do know that you terminate your OkCupid activity a few months into a relationship, and it may be years before it's formalized in any

But he adds, "Every day about 500 people cancel their account and state as their reason that they found a relationship on OkCupid."

Love, 500 canceled accounts a day. The folks at OkCupid are more than happy to see them go.

CAMPUS LIFE

SPERM DONORS

Earn up to



Invest minimal time

Make a real difference in the lives of families

Receive free health and genetic screenings

APPLY ONLINE:

SPERMBANK.com

convenient Cambridge location

"An Evening With French Rapper Hamé"

In addition to a sample performance of his rap artistry and a short talk on "Youth in France's Outer Cities (*les banlieues*), Hamé will screen ten short films that are part of his collaborative compilation work on police brutality, *Outrage and Rebellion*, including shorts by directors Chaab Mahmoud, Peter Whitehead, Marylene Negro, and Jean-Marie Straub.



Monday, March 15, 2010 7 p.m. MIT 32-155 (Stata Center)

http://whereis.mit.edu/

Sponsored by: The French Initiatives Endowment Fund of MIT Foreign Languages and Literatures

Agency weighs the need for a 'black box' recorder in cars

By Micheline Maynard

DETROIT — Federal safety regulators, who allowed auto companies to voluntarily install event data recorders on their vehicles a few years ago, are now looking into whether the systems should be required, the head of the National Highway Traffic Safety Administration said on Thursday.

David Strickland, administrator of the agency, said it was considering the step in the wake of recalls of millions of Toyota vehicles. He made the disclosure to a subcommittee hearing by the House Committee on Energy and Commerce.

The recorders, sometimes referred to as "black boxes," like those on airplanes, record events from five to 30 seconds before a crash, and soon afterward.

The devices, which are generally linked to air bags, note information like the speed of the car, whether the driver was applying the brakes and other facts that can be downloaded and analyzed.

In 2006, the safety administration encouraged but did not require automobile manufacturers to install the systems and also did not set a single standard for the way data would be recorded.

That has been an issue in the case of Toyota, whose event recorders are different from those installed on cars from Detroit automakers. Unlike their systems, which can be read through the same diagnostic equipment, the Toyota system requires a special analytic device, and Strickland said a Toyota representative must help interpret the information.

Safety advocates have called for

the same system to be required on all automobiles and say the information should be available to the public.

Strickland, in his testimony, said the agency would "evaluate the benefits of mandatory event data recorders in vehicles."

Since last fall, Toyota has recalled 6 million vehicles in the United States in two major campaigns for potential problems that could cause sudden unintended acceleration, an issue that has affected several automakers.

Toyota recalled one series of vehicles because it said the accelerator pedals could become entangled in floor mats. In a second recall, Toyota said pedals could become stuck because of a faulty pedal design. It is in the midst of making repairs in each recall.

The company also said it would install brake override systems on many vehicles, meant to prevent the car's electronic throttle from sticking open.

At the hearing, Rep. John Dingell, D-Mich., said the agency's response to safety defects on automobiles had been "sluggish." He said he was concerned that the agency lacked appropriate resources, in terms of financing and staff, to fulfill its safety mandate. But Dingell also said that Toyota shared responsibility for failing to act more quickly when reports of problems surfaced.

Strickland, a former Senate staff member who took office on Jan. 4, said he did not think the agency under his leadership had made mistakes in dealing with Toyota, and he said the company had been "very responsive" to the safety agency's requests for information.

In earlier hearings, some mem-

bers of Congress accused the agency of being a "lapdog" for the automobile industry. But Strickland objected to that characterization, saying the agency had opened eight investigations into the issue of sudden unintended acceleration.

"A lapdog doesn't open eight separate investigations," he said.

But he said Toyota was unique among automobile companies in leaving decisions on recalls to its headquarters in Japan. He said the company could move more quickly on requests from the agency if a Toyota executive in the United States had the authority to act.

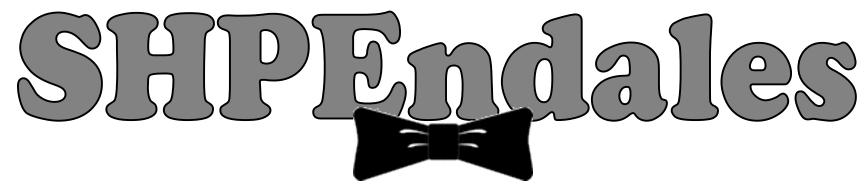
In December, the Transportation Department sent officials to Japan at the safety administration's request to urge Toyota to speed up its actions on the sticking pedal situation. Soon after, Toyota recalled a series of vehicles to repair accelerator pedals and also temporarily stopped selling and producing models involved in the recall.

Strickland said his agency would look at many of the features that have come into question because of the recalls. They include electronic throttle technology, brake override systems and accelerator pedals.

In the last week, the police have reported at least two incidents in which the owners of Prius cars complained of sudden unintended acceleration.

Toyota has recalled 2004 to 2009 models of the Prius because of the floor mat issue, but the cars were not part of the sticking pedal recall because they have a different accelerator pedal. The owners of the cars, however, said their floor mats were not entangled in the pedals. In one case, the floor mats had been securely fastened by a dealer.

All Proceeds Benefit Earthquake Disaster Relief for Haiti & Chile



First Annual Male Pageant...with a Latin Twist



March 13th Walker Memorial 7:30pm to 9:30pm

Sponsored by: **ARCADE Fund and Finboard**

Brought to you by:

Society of Hispanic Professional Engineers (SHPE) shpe-request@mit.edu

Have friends that want to compete for the title of Mr. SHPEndale? Send us an e-mail!

FRIDAY, MARCH 12, 2010 **THE TECH 13**

Maki cites Mondrian, transparency as inspiration

Media Lab, from Page 1

of its faculty, Moss said.

On opening day, the Media Lab's open house showed off its groups' current projects. Labs gave demonstrations of everything from electric cars to prosthetic limbs to Wiimote-enabled electric guitars. Professor Mitchel J. Resnick PhD '88 and his group, Lifelong Kindergarten, showed off Scratch, a visual programming language composed of blocks arranged on a screen, allowing users to tell stories with animated characters. Scratch has an online community of hundreds of thousands of users replete with animations, remixes and memes. According to Karen A. Brennan G, who works on the project, "we originally intended it [Scratch] for 8-16 year olds, but now it's being used as an introduction to computer programming at Rutgers, University of WI-Madison, and Harvard."

In the week before the grand opening, construction crews and Media Lab workers scrambled to finish last-minute construction, repairs, and exhibits.

The visually striking glass elevators rising through the main lobby proved to be troublesome, requiring frequent downtime for repairs. According to Arne Abramson MS '92, project manager for the Media Lab extension, some glass near the top of the elevator shafts cracked during installation, some of the panes twisting out of the vertical shaft. Construction crews fixed these problems just in time for the grand opening.



William Lark G from the Media Lab's Smart Cities Group shows visitors a scale model of the foldable CityCar. The Media Lab extension (E14) can display larger models than the old Media Lab (E15) could accommodate

According to Gary Kamemoto, head of international projects for Maki, the architects made sure to avoid some of the pitfalls encountered by the Frank Gehry-designed Stata Center. For example, the roof is carefully sloped to avoid the buildup of snow and ice, and the back edge is lined with snow guards to prevent melting ice from falling on bypassers. Maki and Associates contracted Canadian firm RWDI to ensure the building is suited for

Boston winters.

In designing for MIT, Maki also encountered other difficulties, such as Massachusetts energy codes. Conflicting with the vision of a transparent building of glass, the codes forbid a building from being over 50 percent glass. This is put in place in order to make heating and air conditioning more efficient. Maki found a way around this: he drew inspiration from Japanese bamboo blinds, the influence

of which can be seen clearly in the fine metal grating over the exterior of the building. The blinds, along with a subtle dot matrix printed on the windows, allow floor-to-ceiling glass with copious amounts of sun-

Mr. Maki cited his choice of color palette: pervasive white with occasional primary color accents. The colors are derived from the work of neoplastic artists, especially Piet Mondrian and his "Composition

with Yellow, Blue, and Red." Walking through the light-saturated halls overlooking the glass atrium, one cannot deny that Maki has created a work of art.

Simultaneously, though, The Media Arts and Sciences building is the image of pragmatism, tangibly fulfilling the operation of the Media Lab, with every stairway and glass plane serving to open up communication and collaboration between

Police Log

The following incidents were reported to the Campus Police between Feb 16. and Mar. 9. The dates below reflect the dates the 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.

- Bldg. 13 (105 Massachusetts Ave.), 11:18a.m., larceny of package Jan. 13
- Feb. 3 Bldg. W89 (291 Vassar St.), 12:00p.m., man reported credit card was used without his
- Bldg. 39 (60 Vassar St.), 12:00p.m., larceny of laptop and hard drive. Feb. 6
- Feb. 16 Bldg. 42 (59 Vassar St.), 8:25a.m., larceny of tools.
- Bldg. W20 (84 Massachusetts Ave.), 1:30p.m., indecent exposure. Feb. 16
- Feb. 16 Bldg. E15 (20 Ames St.), 6:00p.m., suspicious activity.
- Feb. 19 Bldg. W89 (291 Vassar St.), 1:00p.m., domestic situation. Feb. 19 Bldg. W35 (100 Vassar St.), 7:00p.m., id stolen.
- Bldg. 14 (160 Memorial Dr.), 6:55p.m., person in library causing a problem. Person given Feb. 21
- Kappa Sigma (407 Memorial Dr.), 12:30a.m., wallet stolen during a party. Feb. 21 Feb. 21 Kappa Sigma (407 Memorial Dr.), 12:30a.m., jacket, cell phone, and id was stolen during a
- Bldg. 68 (31 Ames St.), 3:45p.m., woman reports her laptop and 80 dollars cash stolen from Feb. 21
- Bldg. 9 (105 Massachusetts Ave.), 2:00a.m., damage to door. Feb. 21
- Feb. 22 Bldg. 1 (Massachusetts Ave.) 3:00p.m., bike was stolen from bike rack.
- Feb. 22 Bldg. 32 (32 Vassar St.), 3:55a.m., several doors appeared to be damaged. Feb. 22 Bldg. NW61 (282 Massachusetts Ave.), 11p.m., annoying/harassing mail.
- Bldg. NW14 (150 Albany St.), 3:00p.m., copper piping stolen. Feb. 26
- Beta Tau Pi (119 Bay State Rd.), 4:57p.m., person climbing through a window and into the Feb. 22
- residence. Person was located and is a resident of the house.
- Feb. 26 Bldg. 37, (70 Vassar St.), 8:30a.m., larceny of laptop and passport from backpack.
- Feb. 26 Bldg. 5 (55 Massachusetts Ave.), 5:00p.m., graffiti on door.
- Bldg. 54 (21 Ames St.), 6p.m., breaking and entering of a room and larceny of a computer Feb. 26
- Feb. 28 Bldg. NW12 (138 Albany St.), 7:30p.m., graffiti on exterior door.
- Mar. 1 Bldg. 54 (21 Ames St.), 1:16a.m., breaking and entering. Bldg. 68 (31 Ames St.), 1:51a.m., two individuals issued trespass warning. Mar. 1
- Mar. 1 Kendall Square, 8:38a.m., disgruntled person kicked door and shattered glass.
- Mar. 1 Bldg. 2 (182 Memorial Dr.), 11a.m., larceny of bicycle from eastman court.
- Mar. 2 Bldg. 37 (70 Vassar St.), 12:48p.m, damaged door.
- Mar. 2 Bldg. E25 (Carlton St.), 4:20p.m., woman reported her wallet was stolen. Bldg. 4 (77 Massachusetts Ave.), 12:20p.m., woman reported her laptop stolen. Computer
- Mar. 3 was left behind and returned to owner.
- Mar. 3 Bldg. 46 (46 Vassar St.), 4:00p.m., missing older person. Person located in another building. Mar. 3 Bldg. 35 (127 Massachusetts Ave.), 2:43p.m., homeless person setting up residence in mens
- room. Person given trespass notice.
- Mar. 3 Bldg. W32 (Vassar St.), 7:30a.m., larceny of wallet from Z center.
- Mar. 3 Bldg. 12 (60 Vassar St.), 10:30a.m., harassing voice mail. Bldg. E55 (60 Wadsworth St.), 11:45p.m., possible domestic situation. Mar. 6
- Mar. 6 Lambda Chi Alpha (99 Bay State Rd.), 10:30p.m., man reported his bike stolen.
- Mar. 7 Bldg. 9 (105 Massachusetts Ave.), 12:41p.m., suspicious person Fabio Armelio, 106 Warren St.m Cambridge MA; arrested for trespassing after notice.
- Bldg. W11 (40 Massachusetts Ave.), 8:00a.m., larceny of check. Mar. 9
- Mar. 9 Bldg. 7 (77 Massachusetts Ave.), 12:38p.m., larceny of equipment.

COMPILED BY ROBERT MCQUEEN

Eating Disorder Treatment

Treatment of Adults Suffering from Anorexia and Bulimia Nervosa



Informed clinicians refer their clients to Laurel Hill Inn. LHI provides the most effective treatment and deploys the highest staff-to-client ratio in New England. We provide extensive programming in a highly structured and supervised non-institutional

therapeutic setting. Evening, day, and residential treatment as well as weekly support groups in West Medford and West Somerville. Call Linda at 781 396-1116 or visit www.laurelhillinn.com.



Convert2 - Student & Professional iPhone app

yes.....there's an app for that

Unit conversion & analysis accuracy Simple to use, intuitive interface Consistent with official NIST values

> www.itunes.com/app/convert2 www.appotize.com



veryday. **ASK.** beyond. harmony. differenc connect. journey. embody. PURSUE, envisi tioning. presense, imagine, realization, org press. discover. **LIVE**, possibilities. unfold.

a simple, conversational, Christian community

www.mit.sojourncollegiate.com

Monday's @ 8pm

Religious Life Center small dining room

Think working at a newspaper is all writing and taking pictures? Join our Production or Technology Departments! join@tech.mit.edu

MIT American Red Cross Team and Network presents:



A Discussion on LOCAL & INTERNATIONAL DISASTER RELIEF EFFORTS

with DAN WIELAND **American Red Cross** Disaster Response Specialist

Friday, 3/12/10 7pm 66-110

Followed by Q&A and Finale's Dessert Reception \$5 Suggested Donation to benefit Disaster Services



Communty Lecture Series



As seen in the NY Times, as heard on NPR



NTERFAITH **DIALOGUE:**

Next Steps and Collaboration

Thursday, March 18, 2010, 7:30 pm

Main Dining Room, Bldg. W11 — Religious Activities Center (corner Amherst St. and Mass. Ave.)

Questions: ora@mit.edu Website: mit.edu/dsl/addir/

Dessert will be served.

Addir is a word in Ancient Sumerian which means "bridge". In the Addir Fellows Program we aspire to build bridges of dialogue and understanding. The Addir Fellows MIT Interfaith Dialogue Program is sponsored by Office of Dean for Student Life and MIT Hillel in cooperation with the Board of Chaplains.

MIT Interfaith Dialogue

Miliband misses 'time' the most

Has fond memories of MIT

Miliband, from Page 1

Coming Back to MIT

Miliband was educated at Corpus Christi College, Oxford and received an SM in Political Science from MIT as a Kennedy Scholar in 1990. The invitation to speak at MIT came at an opportune time, he said — he had been looking for a chance to speak in the United States and to tell Americans that they have an ally in the war.

In an interview with The Tech, Miliband said the thing he missed most about MIT, was time. However busy MIT students believe themselves to be, they can be certain that the foreign secretary is busier. "When you are a student you've got lots to do, but the time to read, to think, to go to lectures: That may not seem like joy to you, but it is the most precious commodity of all,"

Miliband has other fond memo-

ries of MIT. "MIT taught me to ask hard questions, it taught me to read source material, and not just read reports of what people think. It taught me the virtues of respect for scholarship, which I think is important," he said. "I mean I was only here for 12 months, I was stupid; I should have stayed longer."

He praised MIT for its global perspective and dedication to public service. "It is important that [MIT] is an institution not only of science, but of society as well. It is the fusion of science and society that holds the potential for prog-

As Secretary of State for Foreign and Commonwealth Affairs, Miliband is the UK's equivalent to Secretary of State Hillary Clinton. The last British cabinet minister to speak at MIT was Winston Churchill, who spoke in 1949 about the importance of rebuilding a society with science after war.

Sodium delivered to Neltner's 'Evil Corp'

Mookerji not criminally charged, but brothers sued in civil court

Sodium, from Page 1

A search warrant was served on Neltner's Somerville residence on Sept. 21, according to the report.

There were two other shipments billed to Neltner from Alfa Aesar, company representatives told detectives. These shipments were shipped to "AMRCO LLC" and contained two pounds of sodium ingot, 250 grams of sodium, one liter of ethanol, one liter of acetone, and other chemically reactive sub-

AMRCO LLC is registered with the Commonwealth of Massachusetts at Neltner and Snella's address. According to its certificate of organization filed in May 2006, "the company is an invention workshop and think tank, the primary business of which will be the invention and production of novel devices and licensing intellectual property."

Neltner and Mookerji, both the subject of pending civil litigation, declined to comment to The Tech.

Neltner stored some of the so-

dium in a container with a note that read approximately "don't be stupid with this," according to statements from Jeffrey J. Kuna G in the detective's report.

The detective's report identifies Mookerji as having been responsible for throwing the block of sodium into the water. The sodium that caused the Sept. 7 explosion had broken off from the initial block of sodium thrown by Mookerji, detectives concluded.

Because Mookerji threw the metal, prosecutors were prepared to charge him with discharging a pollutant into the waters of the Commonwealth was well as with disorderly conduct. But Mookerji was able to negotiate pretrial probation of six months, during which he performed community service and, according to the case docket, was required to pay "restitution of \$4,000 and not to exceed \$5,000."

Mookerji's community service included "over 40 hours of ... database management assistance" to the New England Shelter for Homeless Veterans.

Because his pretrial probation was successfully completed, Mookerji was not formally charged.

Solution to Easy Sudoku from page 7

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

LEGAL COUNSEL

MIT students, family, employers and start-ups seeking U.S. legal counsel, campus or office consultation. Call: James Dennis Leary, Esq.

321-544-0012

Solution to Crossword

					-		-	_						
Р	Α	Ρ	Α	S		G	R	1	N		W	Ш	В	S
Α	D	Е	┙	Е		A	0	N	Ε		ш	R	ı	O
М	0	Ν	Т	Е		ᆚ	0	С	Н		Δ	\subset	Κ	ш
		Ţ	Α	K	Е	S	F	0	R	Α	S	Р	ī	Z
С	L	Α	ß	ш	T			Σ	U	М		H	N	H
Н	υ	G		R	Η	Υ	М	Е		0	Α	S	ī	S
Α	L	0	Ε		z	Ε	0		Н	U	М			
R	υ	Ν	S	R	_	Ν	G	S	Α	R	0	٦	N	О
			s	Α	С		כ	R	N		ĸ	Z	E	Е
L	0	Ρ	Е	Ζ		O	L	Τ	N	G		О	Α	Z
Α	L	Α		Ε	L	Τ			Α	U	G		R	Υ
G	I	٧	ш	S		Т	Α	W	Н	[R	L		
E	٧	_	L		в	R	Ī	Ε		ш	Ε	Α	S	ш
														_

Solution to Hard Sudoku

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

FRIDAY, MARCH 12, 2010
THE TECH 15

No-ammonia hair dye is changing minds

By Catherine Saint Louis

THE NEW YORK TIMES

Permanently dyeing hair goes hand in hand with damaging it. The process dries out hair and leaves it jagged. Ammonia used to open the hair fiber so that dye molecules can nestle in — is as delicate as a can opener. It also smells horrid and sets delicate scalps afire.

So it's not surprising that makers of lasting hair color have long sought an ammonia-free alternative that offers thorough gray coverage and a less unpleasant experience. Now, L'Oreal Professionnel is touting INOA, which stands for Innovation No Ammonia, as that game-changer, one on par, they say, with the advent of DVD's or GPS.

With INOA, "hair is as smooth as it was before hair color," said Paul Schiraldi, the vice president for marketing of L'Oreal Professionnel in the United States. If INOA catches on to the extent the company's executives hope, Schiraldi said, "damage with coloring will be a thing of the past."

Some salon colorists, who used to be skeptical that an ammonia-free dye could offer enviable results, adore INOA (pronounced in-oh-uh). A few celebrity hairstylists like the pink-shirted Ted Gibson switched to L'Oreal Professionnel partly to get first dibs on bringing INOA to their clientele. Even Eva Scrivo, a colorist and spokeswoman for Wella, a dye maker, is testing INOA in her Manhattan salon as part of the initial rollout to 200 handpicked salons. Come May, INOA, which can cost about 15 percent more than other lasting dyes, will be more widely available.

But is it truly an innovation for the roughly 38 million women nationwide who have their hair dyed professionally? Only time will tell if ammonia fumes in salons will go the way of smoking in Manhattan bars. INOA bills itself as a "revolution," but it is not the first ammonia-free permanent color to grace these shores. So why hasn't the idea gathered steam before?

It could be that L'Oreal Professionnel is the first to "remove ammonia and deliver amazing results" as Schiraldi put it. Or the company may just be the first with enough marketing muscle and broad distribution to get the graying masses (and colorists) to embrace a sea change.

"To say we don't need ammonia in permanent hair color is a big deal," said Lotus Abrams, the executive editor at American Salon magazine, a trade publication. For 50 years — if not longer — it's been a given that lasting hair dye requires ammonia, so its ghastly odor must be endured. "When you go to the salon and it doesn't smell, it's just better for the customer, it's better for salon staff"

Some demi-permanent hair dyes "claim to be ammonia-free," said Abrams, who tried INOA at no charge on Feb. 11 and reports that her golden brown hue has stayed true. "But they aren't permanent." That

is, they gradually fade and don't uniformly cover gray.

Demi-permanent dyes often use an ammonia alternative called MEA, or monoethanolamine, to more gently open the hair shaft. With MEA, it's as if the cuticle is a door that's slightly ajar, not swung wide open as it is with ammonia. That translates to less damage, depending on quantity.

Two colorists of note, Scrivo and Beth Minardi, urged women not to discount a demi-permanent ability to banish gray. For clients with dark brown hair with interspersed gray, Minardi, the color director at her namesake salon in Manhattan, has used a demi-permanent dye to turn the gray to a light brown. "It makes you look like you have \$500 worth of highlights," said Minardi, who is a spokeswoman for Joico, a maker of hair dyes. Scrivo said of demi-permanents, "There are many things a trained colorist can do to make a formulation a bit more lasting."

As for permanent color, INOA, which uses some MEA and is applied to dry hair, looks like an oily yogurt once mixed. Its color dye molecules "don't like oil" and are attracted to the water inside the hair, said Jo Blackwell-Preston, a color educator for L'Oreal Professionnel and owner of Dop Dop sa-

lon in SoHo, so they "force themselves inside your hair."

At least two other ammonia-free permanent hair colors are already used in salons. One called Organic Color Systems, made by Herb UK, a company based in Lymington, England, has been available stateside since 2002, now in 65 colors (compared with INOA's 49). Roughly 1,200 salons carry it, up from 400 in 2008, said Hilton Bell, the president of International Hair and Beauty Systems, the United States distributor for Organic Color Systems.

Its magic bullet is heat coupled with an oil base. "What we do is actually suspend color molecules in an oil base, which softens the cuticle, and then we use heat to open the cuticle," Bell said, rather than "blowing it open with ammonia."

In an e-mail message, he wrote: "We have been stating for years that ammonia-free and the oil-based method is a better way to color hair, for the hairdresser and the client. The fact that L'Oreal is saying the same thing now, just legitimizes the fact."

In a phone interview, Schiraldi conceded that INOA is "not the first." But he argued that its performance distinguishes it. No other permanent hair color can deliver "vibrant color, great coverage and maintain the condition of the hair prior," he said. "There's a reason none of these other brands have become successful, and you can't chalk that up to marketing buzz."

In Bell's view, that reason has a lot to do with entrenched thinking. Eight years ago, convincing hairdressers that an ammonia-free hair dye could offer superior coverage was akin to suggesting the world wasn't flat when everyone believed it was, he said.

Distribution plays a role, too. For three years, Mastey De Paris, a family business in Valencia, Calif., has offered a zero-ammonia permanent hair dye called Teinture. It "gently opens" the hair shaft with a proprietary amino-acid based alkaline agent, so there's no MEA, either, said Erick Calderon, the vice president for business development. Teinture has made inroads in Florida and southern California, he said, but only recently found a New York distributor. (L'Oreal Professionnel has national distribution.)

Anne Warnock is an owner of the Sam Wong Salon in Frederick, Md., which uses Organic Color Systems. During the last three years, she has used it every four weeks to maintain her red locks and has noted a difference. Her hair no longer has that dry, over-processed feeling, she said.

To her mind, INOA, which she has no interest in using since it's not organic enough for her, is noteworthy. "Now that L'Oreal has jumped on the bandwagon, it's the beginning of women being educated who also want results," she said, referring to the market for no-ammonia permanent color. "In time, women will go into a salon and ask, 'What color do you use? Does it have ammonia?""

Talks to address trade in tuna and ivory

By Neil Macfarquhar

THE NEW YORK TIMES

Marathon negotiations on protecting the planet's endangered species open on Saturday in Qatar with tensions bubbling over efforts to ban trade in bluefin tuna and to reopen exports of elephant ivory from Africa.

About 40 proposals are on the agenda for the 12-day meeting of the U.N. Convention on International Trade in Endangered Species of Wild Fauna and Flora, which could help determine the fate of species from rhinoceroses to polar bears, from hammerhead sharks to red coral.

A pronounced focus on marine creatures is evident in this year's proposals, reflecting a growing awareness of the decimation of the seas, negotiators and conservation experts say.

"As you are seeing the impact of industrial fishing for the past 50 or 60 years, marine species have finally started to get some attention," said Matthew Rand, the director of global shark conservation for the Pew Charitable Trusts.

Some of the fiercest debate in the prelude to the meeting in Doha, the Qatari capital, has centered on the bluefin tuna, whose ranks have plummeted by about 90 percent in the western Atlantic and 80 percent or more in the eastern Atlantic since 1970.

Conservationists want to ban international trade in bluefin tuna to allow stocks to regenerate. But Japan, which consumes well over half of the worldwide catch and where a single fish can fetch prices above \$100,000, said Thursday that it would opt out of the ban if it was approved.

Such a move is allowed under the 1973 convention, which has been signed by 175 countries and is often referred to by its acronym, Cites (pronounced SIGHT-ees).

In the United States, conservationists have faulted the Obama administration as being slow to support the ban. But Thomas L. Strickland, the assistant secretary of the interior for fish, wildlife and parks, said that Washington would work hard to win passage

"The bluefin tuna is in a catastrophic decline," said Strickland, who is leading the American delegation to the talks. "It is imperative that we take strong steps to protect that iconic fish."

He suggested that European Union countries, swayed by Spain, Italy and France with their large tuna fleets, have been dragging their feet on enforcing quotas. "There are questions about some of the Mediterranean countries, whether they have been as attentive as others," he said.

The European Union said Wednesday that it would support a ban but with certain reservations. That includes a one-year delay in enforcing the ban if approved, and an exemption for "artisanal" fishermen who supply their local markets using small boats.

Yet perhaps the most bitter fight has arisen over a proposal by Tanzania and Zambia to resume trade in their stocks of elephant ivory. Led by Kenya, several other African nations are seeking to block the request, arguing that it could lead to a surge in illegal poaching across the continent.

Tanzania and Zambia counter that they would funnel all the estimated \$18.5 million in tusk sales toward conservation.

In a study published Thursday in the journal Science, an international team of conservationists details a sharp increase in poaching in recent years — even before 2007, when Cites approved a less protected status for elephants in Botswana, Namibia, South Africa and Zimbabwe.

Affluent buyers of ivory carvings in China, Japan and Thailand have driven the market in poaching, the conservationists said, abetted by Asian gangs operating in Africa.

From 8 percent to 10 percent of the elephant population is being poached annually, said Samuel K. Wasser, a University of Washington biologist and the lead author of the Science article. DNA studies indicate that most of the trafficking runs through Tanzania and Zambia.

A complete ban in 1989 helped slow a precipitous decline, but a population estimated at 1.3 million in 1980 is down to less than 500,000 today. Sierra Leone reported the death of its last elephant in 2009, said Pat Awori, the founder of the Kenya Elephant Forum, an umbrella group of organizations seeking to extend the ban.

Kenya, Congo, Ghana, Liberia, Mali, Rwanda and Sierra Leone have proposed extending the ban until 2027.

Their acrimony extends toward the Cites leadership itself, which they have accused of promoting the ivory trade. The leadership issued a statement denying any favoritism.

In bargaining for support, Kenya and its allies have signaled to the European Union that they will support the ban on bluefin tuna fishing in exchange for support on extending the moratorium on trading ivory, Ms. Awori said.

"If we don't extend the ban to be able to study the impact of these limited sales, there may be no elephants left to protect," she said.

Such horse trading is controversial: conservationists argue that every proposal should rise or fall on the basic of scientific evidence detailing the possible extinction of individual species, not as part of a political deal.

But it is not unusual at a meeting of around 2,000 delegates representing parties from tiny states like Monaco, which proposed the bluefin tuna ban, to the Asian association of shark fin traders.

The United States is proposing that six species of sharks be added to the list of endangered animals whose trade is monitored but not banned. They include the hammerhead shark, whose fins are highly prized in China for soup, with a bowlful selling for as much as \$100.



SPORTS SHORTS

Engineers honored with track and field awards

A pair of MIT track and field studentathletes, along with two Tech coaches, were honored on Tuesday as the United



States Track & Field and Cross Country Coaches Association announced its regional Athletes and Coaches of the Year. The MIT men's team, which recently captured its 11th

New England Division III Indoor Championship, received individual accolades for senior Stephen A. Morton '10, head coach Halston Taylor and assistant coach Katherine Bright. Portia M. Jones '12 was named the New England Women's Track Athlete of the Year as well

The Engineers will travel to DePauw University for the NCAA Division III Indoor Championship this weekend. Both teams will look to improve upon their outstanding showings at last year's National Championship, in which the men placed 32nd and the women tied for

— Greg McKeever, DAPER Staff

Women's tennis falls to NYU in spring opener

This past Saturday, MIT women's tennis opened their season at against NYU at home, falling 1-8.

The match started out with doubles playing first. The number one doubles team of Leslie A. Hansen '10 and Bianca M. Dumitrascu '13 - making her MIT

debut - lost 3-8. Melissa A. Diskin '11 and Hillary E. Jenny '12 played a tight match at number two doubles, but lost

The number three doubles team of Jenny C. Dohlman '11 and Jennifer A. Rees '11 played hard attacking the net, but they also lost 1-8. This left MIT behind 0-3 going into the singles matches.

Dohlman was first in the singles matches, fighting hard but losing 1-6, 0-6. Next came Diskin, who lost 2-6, 3-6 despite defending many hard shots.

Dumitrascu was off next. She was overpowering at times, but in the end lost 4-6, 0-6. Hansen provided the lone victory of the day, 6-3, 6-2, by chasing her opponent around with well-placed shots. Sheena Bhalla '11 and Kerry R. Weinberg '10 were the last two to finish; both played hard, but fell 3-6, 2-6 and 3-6, 0-6 respectively

– Jennifer Rees, Team Representative

Sailing begins season with Sharpe **Cup on Sunday**

Amid bright skies and warm temperatures along the glistening Charles River,



before settling for an 8-10 mark and sixth place overall.

Competing for the Cardinal and Gray were skippers Joshua C. Leighton '10, Eamon M. Glackin '12, Andrew Z. Sommer '13, and Philip C. Crain '12, and crew Victoria W. Lee '10, Elizabeth A. Hass '10, Rachel Licht '10, Leigh C. Casadaban '10, and Lisa A. Schlecht '10.

– Mike Stoller, DAPER Staff

Swimming and diving teams wrap up season, prepare for Nationals

By Qing Li and Diana LaScala-Gruenewald

As the swimmers sped into their last turn, the crowd roared. MIT parents and fans shot to their feet, screaming and

cheering, as Lucas R. Cummings '10 pulled ahead of Coast Guard's Brian McGuiness and outtouched him by 0.25 seconds. The Engineers' victory in the final 400-meter freestyle relay

capped an amazing season for the MIT Varsity Swimming and Diving Teams.

The women led the way at Wellesley, capturing second place out of ten teams in the NEWMAC Championships. The team shattered five NEWMAC and seven Institute records, secured three NCAA A-cut and eight NCAA B-cut times, and achieved many season-best times. Notably, Amy E. Jacobi '11 broke MIT's 50-meter freestyle record with a speedy 23.89, while Anna S. Kokensparger '13 won all three of her individual events with record times, contributed to three relay wins, and earned the Rookie of the Meet title. Seniors Rachel E. Price '10, Ashley E. Pinchinat '10, and Ariadne G. Smith '10 ended their collegiate swimming careers with Top 16 finishes in the 200 backstroke, 400 freestyle relay, and 200 breaststroke respectively. Gymnast-turned-diver Elizabeth L. Stavely '11 also surpassed expectations, nailing 7th-place finishes on both boards. In addition, teammates Kristie L. D'Ambrosio '10, Elise A. Stave '13, Lauren P. Cipicchio '10 and Diana LaScala-Gruenewald '11 placed in the top 16 divers to score points for MIT.

Not to be outdone, the men's team stepped up to win their second consecutive NEWMAC Championship at Wheaton. The team showed its talent and depth in every event, with five swimmers placing Top 8 in the 200 IM, 100 butterfly, and 200 backstroke. Remarkably, the men also earned 32 NCAA B-cut times and won 14 out of 18 swimming events. Notably, Timothy J. Stumbaugh '12 achieved a NEWMAC and Institute record in the 400 IM and Michael J. Dobson '11 lowered his season-best times to pull off wins in the 500 and 1650 freestyle. Additionally, seniors Cummings, Rastislav Racz '10, Jeffrey Y. Zhou '10, and Nicholas A. Souza '10 ended their last NEWMAC Championships with wins and season best times.

The MIT swimming and diving teams have come a long way in the past season. Under the persistent attention of head coach Dawn Dill and several assistant coaches, the athletes have discovered their great potential, both individually and as a team. At each NEWMAC meet, the men and women cheered each other on and provided inspiration and support.

'The girls' team really pumped us up," recalls David C. Parell '12. "By the time it was our turn, we were dying to get up and race!'

Teammates and coaches have also worked toward healthy eating and sleeping habits, additional weight training, stroke clinics, and balancing MIT's workload with training. Partly because of these efforts, 17 swimmers and divers are part of the winter NEWMAC Academic All-Conference team, an honor that requires a minimum GPA of 4.35.

Through hard work both in the pool and out, five women and a record high of 10 men have earned the chance to compete at NCAA Division III Championships at the end of March. Stay tuned — the Engineers are ready to rock.

SCOREBOARD

Men's Lacrosse	
Wednesday, 3/10	
at Curry College	W 10-6
Men's Volleyball	
Wednesday, 3/10	
at Endicott College	W 3-0

UPCOMING HOME EVENTS

Saturday, March 13

Sailing — MIT Team Race

Men's Lacrosse vs. Salve Regina University

BRANDEIS UNIVERSITY

Master of Arts in Teaching

10 a.m., Charles River 1 p.m., Jack Barry Field

How Do





ELEMENTARY · MIDDLE · HIGH SCHOOL · MULTIPLE FIELDS • Small, personalized, inquiry-based;

year-long teaching internship; outstanding faculty and mentor teachers. • Leads to initial license and provides

continued support during first years

 Gives the guidance and support you deserve to become a bold, effective and creative teacher.

GENEROUS SCHOLARSHIPS ROLLING ADMISSIONS

Become a fan of the MAT Brandeis Public Elementary and Brandeis Secondary MAT on Facebook and have your application fee waived.

INFORMATION SESSION

Wednesday, March 17, 2010

6:00pm - 7:30pm Waltham Campus MAT@brandeis.edu or 781-736-2022

www.brandeis.edu/programs/education/mat

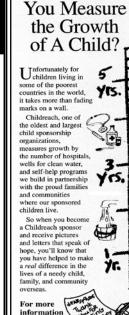
An unlocked gun could be the death of your family. Please lock up your gun.



www.unloadandlock.com

This space donated by The Tech

NATIONAL CRIME PREVENTION COUNCIL



1-800-752-3400





This space donated by The Tech