

New Shuttle Will Travel to Trader Joe's

Starting January 24th, the MIT Parking and Transportation Office will operate a shuttle to and from Trader Joe's and Whole Foods Market. The shuttle will run every Saturday from 11 a.m. until 2:47 p.m., leaving campus every 30 minutes and making its last pickup on campus at 1:47 p.m. A current schedule can be found online at <http://web.mit.edu/facilities/transportation/shuttles/grocery.html>.

The shuttle service is funded by a donation from the parents of a current student who want to remain anonymous, said Lawrence R. Brutti, operations manager at MIT's Parking and Transportation Office. The shuttle will cease operation after May 23 unless more funding is acquired.

—Robert McQueen

Fire Alarms, Sprinklers Disturb Bldg. 32

Over the past few days, Stata Center fire prevention systems have caused trouble for the building. On Saturday, a sprinkler began pouring out water, probably as a result of a frozen pipe break. Water flowed into the lobby for about half an hour, an artist whose work had been set up under a sprinkler told a *Tech* photographer.

On Sunday and Tuesday, fire alarms forced occupants — including on Sunday at least one Mystery Hunt teams — to exit. Causes for the fire alarms have not yet been released, but stay tuned for a follow-up report.

—Robert McQueen

MIT Publishes Diversity Leadership Congress Notes

A website launched on Martin Luther King, Jr. Day hopes to answer President Susan Hockfield's 2008 call for MIT to make a "serious, meaningful change" in the way it handles the "urgent challenge

News Briefs, Page 13

Big, Hopeful Crowds Gather to Watch Obama's Inauguration

By Greg Steinbrecher
STAFF REPORTER

As President Barack Obama took the oath of office at yesterday's inauguration, hundreds of members of the MIT community looked on from lecture halls and communal spaces. Students expressed a cautious optimism for the future.

Employees not normally free midday were given breaks to watch

the event, which was broadcast in five lecture halls. A crowd of watchers filled 32-123, with some sitting on the floor; and about a hundred people turned out to watch the events in the Ashdown dining hall.

Students who watched the inauguration expressed cautious optimism in Obama's prospects for leading a nation through a time of crisis. Dima Ayyash '12 was born in Pal-

estine and thinks that Obama will improve America's image abroad. She looks forward to American troops' withdrawal from Iraq, although she said a presence in Afghanistan will help stabilize the Middle East. But in "the bubble of MIT," Ayyash said she doubted Obama would do much to affect her life.

Inauguration, Page 13



VINCENT AUYEUNG—THE TECH

Inauguration viewers in 10-250 rise to their feet as President Barack Obama begins to recite the oath of office. For more photos from inauguration day events, see page 8.

'Beginner's Luck' Wins 63-Hour Mystery Hunt

By Pearle Lipinski
ASSOCIATE NEWS EDITOR

The 2009 Mystery Hunt concluded, after 63 hours, when the team Beginner's Luck uncovered the coin, the traditional goal of the hunt, in the Building 13 basement on Monday at 3:03 a.m.

This year's hunt had 38 participants and was the third longest in Hunt history. Teams faced 112 puzzles and 7

metapuzzles, which prepared the way for the Hunt's final runaround.

Two teams, S.C. Johnson: A Family Company and Codex Magliabechiano, had solved six of the seven metapuzzles at the Hunt's completion and tied for second place.

In this year's Hunt, participants were trapped (in spirit) in the fictional space region Zyzlvaria. To escape from Zyzlvaria, teams had to com-

plete the Escape from Zyzlvaria board game that would lead them to the Brass Rat Spaceship, its Captain Blastoid, and his Covertly Operational Inversion Node (COIN).

Escape from Zyzlvaria is a Hunt inside joke, dating back to a 2002 Mystery Hunt puzzle featuring a live duck and an tortuously complicated series of rules encoding a logic puzzle whose eventual answer was

"DES PLAINES."

This year's puzzles were written by The Evil Midnight Bombers What Bomb At Midnight, who earned the right to write this Hunt as victors of last year's Mystery Hunt. That team also won the 2006 Mystery Hunt. The Evil Midnight Bombers has 26 members, consisting of MIT alumni and friends.

The winning team, Beginner's Luck, is an offshoot of the Team Palindrome which won the 2007 Mystery Hunt.

Jennifer Braun '02, head coordinator of the 2009 Hunt, said of the puzzles, "I think that the metas were particularly challenging, especially in Phase Two, and possibly more complicated than in previous years."

"It seems like [the puzzles] get harder every year, but even so, these were well written," said Laura Dean '00, a member of Team Unseen who has participated in ten Hunts.

The game ran smoothly, Braun said, and participants had a good time. "The teams seemed to enjoy [the Hunt], which is really the most important thing," Braun said.

"It was amazing," said Yuki G. Yamada '11. "It's pretty much the best excuse to stay up for 65 hours. Looking from the outside, it may sound miserable, but it's the best three days of the year."

The Mystery Hunt was started by MIT student Brad Schaefer in 1980. Schaefer wrote the puzzles until he left MIT in 1983, when the tradition of the winning team writing the next Hunt began.

Apollo 17 Moon Rock Reveals Magnetic Beginnings

By Kenneth Chang
THE NEW YORK TIMES

The lasting impression left by the Apollo missions is of a moon that is gray, dusty, desolate and dead. But instruments left behind by Apollo astronauts recorded moonquakes and wobbles in its rotation that gave hints of a still molten core.

Now, a rock collected more than 36 years ago during Apollo 17, the last human visit to the moon, reveals that the molten core may have once churned and generated a magnetic field.

Given that lava plains on the lunar surface indicate a volcanic past that may have lasted nearly 2 billion years, "I don't think it's that surprising," said Ian Garrick-Bethell G, who just finished his doctorate at the Massachusetts Institute of Technology.

Nonetheless, the findings of Garrick-Bethell and his colleagues, which appear in the current issue of the journal *Science*, may help resolve a longstanding debate.

Moon, Page 12



RACHEL FONG—THE TECH

A spaceship crew chronicles its daring escape from the planet Zyzlvaria at the opening ceremony of the year's annual puzzle competition, the MIT Mystery Hunt, on Friday, Jan. 16. During the 2009 Hunt, teams of problem solvers posed as space travelers stranded on Zyzlvaria and solved puzzles to find their way home. See page 8 for more photos of Mystery Hunt 2009.



Comics

Page 10

OPINION

Is Noam Chomsky wrong about Israel and Hamas?

Page 4

ARTS

'Tokyo!': three strange directors' takes on the strange land of Japan.

Page 7

World & Nation	2
Opinion	4
Campus Life	6
Arts	7
Comics & Fun Pages	10
Sports	16

WORLD & NATION

Report Faults Treatment of Women Held at Immigration Centers

By Dan Frosch

THE NEW YORK TIMES

Some 300 women held at immigration detention centers in Arizona face dangerous delays in health care and widespread mistreatment, according to a new study by the University of Arizona, the latest report to criticize conditions at such centers throughout the United States.

The study, which federal immigration officials criticized as narrow and unsubstantiated, was conducted from August 2007 to August 2008 by the Southwest Institute of Research on Women and the James E. Rogers College of Law, both at the University of Arizona. It was released Jan. 13.

Researchers examined the conditions facing women in the process of deportation proceedings at three federal immigration centers in Arizona. An estimated 3,000 women are being held nationwide.

The study concluded that immigration authorities were too aggressive in detaining the women, who rarely posed a flight risk, and that as a result, they experienced severe hardships, including a lack of prenatal care; lack of treatment for cancer, ovarian cysts and other serious medical conditions; and, in some cases, being mixed in with federal prisoners.

China Sees Threats From Separatists And U.S. Arms Sales

By Edward Wong

THE NEW YORK TIMES

BEIJING

China said Tuesday that it faces threats from independence movements related to Taiwan, Tibet and the western desert region of Xinjiang, and that American arms sales to Taiwan jeopardize stability in Asia.

The assessment came in a white paper on national defense released by the State Council, China's Cabinet. The paper said that "China's security situation has improved steadily," but that "being in a stage of economic and social transition, China is encountering many new circumstances and new issues in maintaining social stability."

The 105-page paper sought to portray China as a power that would use military force only defensively and sees territorial integrity as the top defense priority.

According to goals implied in the paper, China also seeks to counterbalance the American military presence in Asia. In several instances, the authors pointed out what they called worrisome aspects of American intervention.

States Join EPA Study of Pathogens In Ohio River

By Bob Driehaus

THE NEW YORK TIMES

CINCINNATI

Six states bordering the Ohio River are joining the Environmental Protection Agency in the largest study of its kind to identify and reduce dangerous levels of bacteria that plague the waterway.

Unsafe levels of fecal coliform, or E. coli, have been identified in about 500 miles of the 981-mile river, which stretches from Pittsburgh to the Mississippi River at Cairo, Ill.

The pathogens can sicken swimmers and others who come in close contact with the water. The river also provides about 5 million people with drinking water, including residents of Cincinnati, Louisville, Ky., and the suburbs of Pittsburgh, though typical bacteria levels do not pose a threat to safely treating the water.

The analysis, which officials plan to finish next year, will identify how much bacteria sewage treatment plants, factories and farms, among others, can discharge into the river without exceeding safety standards.

Obama Is Sworn in as the Forty-Fourth President

By Carl Hulse

THE NEW YORK TIMES

WASHINGTON

Barack Hussein Obama became the 44th president of the United States on Tuesday before a massive crowd reveling in a moment of profound racial significance, and called on Americans to confront together an economic crisis that he said was caused by "our collective failure to make hard choices."

Obama spoke just after noon to a sea of cheering people, appearing to number well over a million, who packed the National Mall from the Capitol to the Washington Monument and beyond. Four hours later, at the end of the parade route, he left his car and strolled with his wife along Pennsylvania Avenue on the final steps of a long march to the White House, holding hands and waving to cheering crowds.

In his inaugural address, Obama acknowledged the change his presidency represented, describing himself in his inaugural address as a "man whose father less than sixty years ago might not have been served at a local restaurant." But although the crowd and the podium around him were full

of elated African-Americans, Obama, the first black to become president, did not dwell on that in his speech.

He spoke for about 20 minutes, after taking the oath of office on the same Bible used by Abraham Lincoln at his first inaugural in 1861, emphasizing his determination to unite Americans in confronting both the economic challenges facing him and the continuing fight against terrorism.

The problems, he warned, "are serious and they are many. They will not be met easily or in a short span of time. But know this, America — they will be met."

Later, during a luncheon with members of Congress, Obama urged lawmakers to come together "with a sense of purpose and civility and urgency."

"It doesn't mean we're going to agree on everything," he told the lawmakers, who are already at work on major parts of his agenda. "And I assure you our administration will make mistakes."

The festive luncheon ended on a subdued note after Sen. Edward M. Kennedy, who has brain cancer, was stricken with convulsions and had to

be taken to a hospital. Friends of Kennedy, the 76-year-old Massachusetts Democrat, said he was conscious and conversing.

With his wife, Michelle, holding the Bible, Obama, the 47-year-old son of a white mother from Kansas and a black father from Africa, was sworn in by Chief Justice John G. Roberts Jr. a few minutes after noon, a little later than planned, and spoke immediately afterward.

Because the ceremony ran slightly long, Obama did not recite the oath of office until just after noon, the moment when he officially became president. And there was an awkward moment during the swearing-in when Roberts and Obama, who is famed for his elocution, mixed up their words slightly.

In his inaugural address, Obama promised to take "bold and swift" action to restore the economy by creating jobs through public works projects, improving education, promoting alternative energy and relying on new technology.

"Starting today, we must pick ourselves up, dust ourselves off, and begin again the work of remaking America," Obama said.

Optimism in Washington, Pessimism on Wall Street

By Jack Healy and Zachery Kouwe

THE NEW YORK TIMES

NEW YORK

President Barack Obama took office Tuesday urging Americans to choose hope over fear, but on Wall Street, fear was making a comeback.

Stock markets had one of their worst Inauguration Day losses in more than a century, skidding more than 4 percent. Financial companies plunged more than 15 percent, their biggest one-day drop in nearly two decades, as investors worried that the troubles facing the country's biggest banks might be larger and deeper than anyone had thought.

Even after record corporate write-downs and a \$700 billion bailout to shore up the financial system, banks are still reporting huge losses, lining up for new government lifelines and cutting their profit outlooks.

The State Street Corp., one of the world's largest institutional money managers, reported a 71 percent drop in fourth-quarter profit, sending its share price down 59 percent.

The bigger economic picture is still a landscape of "gathering clouds and raging storms," Obama said Tuesday. Housing values are falling faster, trade is shrinking and the unemployment rate, now at 7.2 percent, is expected to hit 9 percent or more.

"At the end of the year, we saw some light at the end of the tunnel," said Art Hogan, chief market strategist at Jefferies & Co. "Unfortunately, we found out that the light at the end of the tunnel was a train."

Wall Street opened down and slid steadily lower throughout the day. The Dow Jones industrial average fell 332.13 points, or 4 percent, to 7,949.09. The Standard & Poor's 500-stock index tumbled 5.28 percent,

or 44.90 points, to 805.22. The Nasdaq composite index declined 5.78 percent, or 88.47 points, to 1,440.86.

The losses erased all of Wall Street's gains from the start of the year and brought stocks within reach of their lows of Nov. 20.

Some analysts said they thought that Wall Street might now be headed there again. "It's ugly," said James W. Paulsen, chief investment strategist at Wells Capital Management. "It's got all the makings of the late-November panic."

Financial shares went into a free fall on Tuesday. Shares of Citigroup, once the largest American bank, fell 20 percent, or 70 cents, to \$2.80 a share, and the bank cut its quarterly dividend to 1 cent. Bank of America fell 29 percent, or \$2.08, to \$5.10. Shares of JPMorgan Chase, Morgan Stanley, Wells Fargo and several other banks also dropped by double digits.

WEATHER

A Break From the Snow, But Not From the Cold

By Angela Zalucha

STAFF METEOROLOGIST

After receiving 12.4 inches of snow at Logan Airport this past Sunday and Monday, Boston could use a break from the snow. Luckily, the weather looks free of precipitation over the next week. Friday will be the warmest day in two weeks, with the high temperature looking to reach 40°F (4°C). Otherwise, temperatures will remain below freezing, not giving the snow already on the ground any chance to melt. Another shot of cold air invades us on Sunday, with a forecasted high of around 10°F (-12°C).

For those going on the Graduate Student Council ski trip to Sunday River, Maine, Friday and Saturday look to be decent skiing days, with highs in the upper 20s. The wind picks up Saturday afternoon, then temperatures will plummet Saturday night and Sunday morning. The low Sunday morning is forecasted to be -15°F (-9°C), and the high will struggle to reach 0°F (-18°C). With such low temperatures, it is extremely important to dress warmly and cover all exposed skin, as well as take frequent breaks to warm up inside.

Extended Forecast

Today: Partly sunny. High 25°F (-4°C).

Tonight: Partly cloudy. Low 18°F (-8°C).

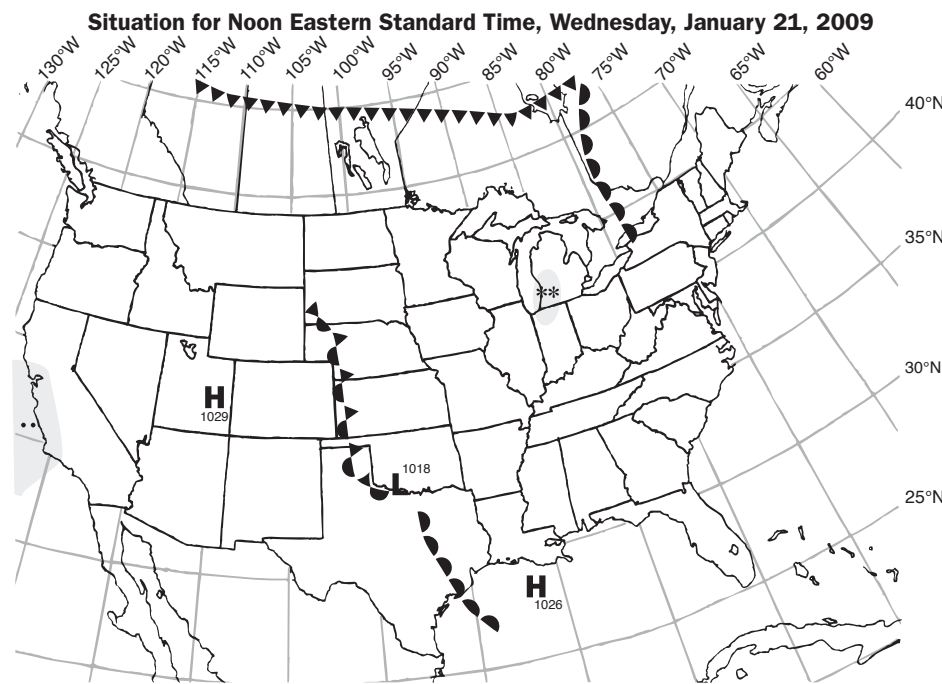
Tomorrow: Partly sunny. High 30°F (-1°C).

Tomorrow night: cloudy. Low 25°F (-4°C).

Friday and Friday night: Mostly cloudy. High 40°F (4°C). Low 27°F (-3°C).

Saturday and Saturday night: Partly cloudy with temperatures dropping sharply in the evening. High 30°F (-1°C). Low 3°F (-16°C).

Sunday: Partly sunny and cold. High 10°F (-12°C).



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	- - - Trough	Snow *	Fog
L Low Pressure	— Warm Front	Rain ∇	Thunderstorm
§ Hurricane	▲ Cold Front	Light *	Haze
	▲ Stationary Front	Moderate **	
		Heavy ***	

Compiled by MIT Meteorology Staff and The Tech

Speech Spanned History But Tiptoed Around Bush

By David E. Sanger
THE NEW YORK TIMES

WASHINGTON

Though couched in indirect terms, Barack Obama's inaugural address was a stark repudiation of the era of George W. Bush and a vow to drive the United States into "a new age" by reclaiming the values of an older one.

It was a delicate task, with Bush and the former vice president, Dick Cheney, sitting feet from Obama as he described the false turns and the roads not taken. In his words, Obama blamed no one other than the country itself — "our collective failure to make hard choices" and a willingness to suspend national ideals "for expedience's sake."

Yet every time Obama urged Americans to "choose our better history," to make decisions according to science instead of ideology, to reject a "false choice" between safety and American ideals, to recognize that American military power does not "entitle us to do as we please," he signaled a commitment to pragmatism not just as a governing strategy but as a basic value.

It was, in many ways, exactly what one might have expected from a man who propelled himself to the highest office in the land by denouncing where an excess of ideological zeal has taken the nation. But what was

surprising about the speech was how much Obama dwelled on America's choices at this moment in history, rather than the momentousness of his ascension to the presidency.

Much as he did during his campaign, he barely mentioned his race in his first moments as the 44th president of the United States. He did not need to. The surroundings said it all as he stood on the steps of a Capitol built by the hands of slaves, and as he placed his hand on the Bible last used by the Great Liberator.

He talked instead, with echoes of Churchill, of the challenges of taking command of a nation beset by what he called "gathering clouds and raging storms." And as a student of past inaugural addresses, he knew what he needed to accomplish. He had to evoke the clarion call for national unity that Lincoln made the centerpiece of his second inaugural in 1865. He had to instill the sense of optimism and patience that resounded in Franklin Delano Roosevelt's first inaugural in 1933, as the nation confronted the worst moments of the Great Depression. And finally, he needed to recall the combination of national inspiration and resoluteness that John F. Kennedy delivered from the same spot, six months before Obama was born.

As his voice and image tripped down the Mall, Obama spoke across

many generations stretched to the Washington Monument and beyond. Mixed in the crowd were the last remnants of a World War II generation, the Tuskegee Airmen among them, for whom Jim Crow was such a daily presence that this day seemed unimaginable.

His appearance on the Capitol steps was so historic that the address became larger than its own language, more imbued with meaning than anything he could say.

And yet what he did say must have come as a bit of a shock to Bush, who knew his policies had been widely criticized, yet rarely over the past eight years had to sit in silence listening to a speech about how America had taken a tragic detour.

It was Bush, in 2004, who vowed repeatedly that it was his job "to confront problems, not to pass them on to future presidents and future generations." Yet there was Obama, blaming America's economic peril to an era "of greed and irresponsibility on the part of some, but also our collective failure to make hard choices and prepare the nation for a new age." He talked of how "the ways we use energy strengthen our adversaries and threaten our planet," an implicit critique of an administration that went to war but did little to change America's habits.

Few Israelis Near Gaza Feel War Achieved Much

By Isabel Kershner
THE NEW YORK TIMES

NIR OZ, ISRAEL

The wheat and potato fields of this kibbutz, or communal farm, in southern Israel stretch right up to the Gaza border fence. In almost surreal proximity on the other side rise the apartment buildings, water towers and minarets of the Palestinian village of Abasan.

Israel's deadly offensive against Hamas in Gaza ended on Sunday, with both sides having unilaterally declared a cease-fire. Yet there was little sense of triumph here in the days after, more a nagging feeling of something missed or incomplete.

Elad Katzir, a potato farmer, was nervous as he drove through the lush fields, agreeing to stop the car only behind clumps of trees or bushes as cover in case of sniper fire. By one thicket, nestled among wildflowers, was a memorial to a soldier who was shot dead here while on patrol seven years ago.

"I do not feel any victory," said Katzir. "I still do not feel safe."

Israel began its three-week campaign on Dec. 27 after border communities like this one had suffered eight years of rocket, mortar and sniper fire,

and after Hamas expanded its arsenal with imported rockets that reached major southern cities like Ashkelon and Ashdod.

The Israeli government's stated war goals were relatively modest: to reduce Hamas' ability and will to fire rockets and to change the security equation in the south.

Most Israelis are satisfied that action was taken. But with Gaza's death toll at more than 1,300, many of them civilians, according to Palestinian health officials, and with 13 Israelis, including three civilians, killed, many here were wondering what had been achieved.

"So they changed the security situation for the next six months — bravo!" said another potato farmer, Eyal Barad. He added, "They should have gone on longer and finished the job."

After such a tremendous show of force, many Israelis were hoping to see a more definitive picture of victory, like a scene of Hamas leaders coming out of their bunkers and raising a white flag. At the very least, several said, Israel should not have left Gaza without Gilad Shalit, the Israeli corporal who was captured in a cross-border raid and taken into the Palestinian enclave in 2006 and has been held hostage by Hamas ever since.

Residents of the south, in particular, were sober about how long the peace would last. Some spoke in terms of weeks or months. In Sderot, the Israeli border town that has suffered the most from rocket attacks, a supermarket owner, Yaakov Dahan, said this time he was "optimistic that a cease-fire would hold up even more than a year."

Israel had long been wary of taking on Hamas in Gaza, knowing that a decisive blow against such a broad and popular movement would be elusive at best.

So the campaign focused instead on crushing the military machine of the Islamist group. Even then, as a senior Israeli military official recently said, it was considered a matter of "cutting the grass."

Israel says it has blown up most of the tunnels beneath Egypt's border with Gaza that were used for smuggling in weapons, and destroyed a significant portion of Hamas' rocket manufacturing facilities and stockpiles. Its diplomatic efforts are now focused on obtaining an internationally guaranteed mechanism to stop the weapons smuggling across the Egyptian border and to ensure that Hamas cannot rearm.

Trials Loom For Parents Who Embraced Faith Over Medicine

By Dirk Johnson

THE NEW YORK TIMES

WESTON, WIS.

Kara Neumann, 11, had grown so weak she could not walk or speak. Her parents, who believe that God alone has the ability to heal the sick, prayed for her recovery but did not take her to a doctor.

After an aunt from California called the sheriff's department here, frantically pleading that the sick child be rescued, an ambulance arrived at the Neumann's rural home on the outskirts of Wausau and rushed Kara to the hospital. She was pronounced dead on arrival.

The county coroner ruled that she had died from diabetic ketoacidosis resulting from undiagnosed and untreated juvenile diabetes. The condition occurs when the body fails to produce insulin, which leads to severe dehydration and impairment of muscle, lung and heart function.

"Basically everything stops," said Dr. Louis Philipson, who directs the diabetes center at the University of Chicago Medical Center, explaining what occurs in patients who do not know or "are in denial that they have diabetes."

About a month after Kara died, the Marathon County state attorney, Jill Falstad, brought charges of reckless endangerment against her parents, Dale and Leilani Neumann. Despite the Neumanns' claim that the charges violated their constitutional right to religious freedom, Judge Vincent Howard of Marathon County Circuit Court ordered Leilani Neumann to stand trial on May 14, and Dale Neumann on June 23. If convicted, each faces up to 25 years in prison.

"The free exercise clause of the First Amendment protects religious belief," the judge wrote in his ruling, "but not necessarily conduct."

Wisconsin law, he noted, exempts a parent or guardian who treats a child with only prayer from being criminally charged with neglecting child welfare laws, but only "as long as a condition is not life-threatening." Kara's parents, Howard wrote, "were very well-aware of her deteriorating medical condition."

About 300 children have died in the United States in the last 25 years after medical care was withheld on religious grounds, said Rita Swan, executive director of Children's Health Care Is a Legal Duty, a group based in Iowa that advocates punishment for parents who do not seek medical help when their children need it. Criminal codes in 30 states, including Wisconsin, provide some form of protection for practitioners of faith healing in cases of child neglect and other matters, protection that Swan's group opposes.

Investigators said the Neumanns last took Kara to a doctor when she was 3. According to a police report, the girl had lost the strength to speak the day before she died. "Kara lay down and was unable to move her mouth," the report said, "and merely made moaning noises and moved her eyes back and forth."

The courts have ordered regular medical checks for the couple's other three children, ages 13 to 16, and Howard ordered all the parties in the case not to speak to members of the news media. Neither Falstad nor the defense lawyers, Gene Linehan and Jay Kronenwetter, would agree to be interviewed.

An Oath of Office With Flubs by Both Sides

By Adam Liptak

THE NEW YORK TIMES

For a couple of smooth-talking constitutional experts, Chief Justice John G. Roberts Jr. and President Barack Obama had a hard time getting through the constitutional oath of office.

There was a false start by Obama, who started to respond before Roberts had completed the first phrase. Obama ended up saying the first two words — "I, Barack" — twice.

Then there was an awkward pause after Roberts prompted Obama with these words: "That I will execute the office of president to the United States faithfully." The chief justice seemed to say "to" rather than "of," but that was not the main problem. The main problem was that the word "faithfully" had floated upstream in the constitutional text, which actually says this: "That I will faithfully execute the office of president of the United States."

Obama seemed to realize this, pausing quizzically after saying, "that I will execute."

Roberts gave it another try, getting closer but still not quite right with this: "Faithfully the office of president of the United States." He omitted the word "execute."

Obama now repeated Roberts' initial error of putting "faithfully" at the end. Starting where he had abruptly paused, he said, "The office of president of the United States faithfully."

From there, smooth sailing.

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Security and Emergency Management Office

OPINION

Justifying Self-Defense

A Counter to Noam Chomsky and the Critics of Israel

Joseph Maurer

As reported in *The Tech*, last Tuesday Noam Chomsky, MIT's well-known linguistics professor, gave a talk on the Gaza Strip conflict. While he didn't hesitate in heaping scorn on Israel, he condemned the actions of the United States and its leaders even more.

Chomsky, however, did not see fit to place any blame on Hamas, or any of the other groups opposed to the very existence of Israel. In my view, this represents a serious misunderstanding of the desires, ambitions, and most of all, the realities that define Israel and Hamas.

In the interpretation of Chomsky, Israeli aggression caused the failure of the six-month 2008 ceasefire that was the proximate cause of the current Gaza fighting. More than that, Chomsky blamed Zionist greed for territorial expansion as the root cause of the decades of fighting between the Israelis and the Palestinian inhabitants of Gaza and the West Bank.

As the professor clearly stated last Tuesday, he believes that Hamas and its predecessors have frequently proposed a peaceful settlement of the conflict, and that Israel rejects or thwarts these proposals because it favors property over peace.

I must say now that challenging the opinion of a senior member of the Institute faculty is not something I do lightly. I respect Chomsky for taking a clear stance for what he believes, but I feel he confuses who the antagonist in this conflict is. Most egregiously, I cannot stand by while he claims that Israel, and by association, the United States, practices inhumane terrorist policies.

Chomsky's scathing criticism of Israeli actions as "aggressive" and "sadistic" vilifies the wrong party. I only wish that he would apply the same harsh eye to Iran's relations with Hamas as he does to our besieged ally.

While Gaza has seen its fair share of terrorism and terrorists in this war, they are all concentrated firmly on the side of Hamas. Chomsky resolutely condemns the targeting of citizens for political persuasion, as he well should, but he mistakenly claims that it is Israel, not Hamas, who targets civilians.

It is Hamas that frequently barrages southern Israel with Qassam rockets, unguided, poorly constructed hunks of steel filled with

explosives, while fervently hoping that they get lucky and strike a densely populated part of Israel. It is Hamas that headquarters itself in hospitals, launches rockets from schoolyards, and dresses its militants in civilian clothes to maximize casualties among actual civilians. Hamas expends the life of its own people to forge an image of Israel as a barbarian who purposefully attacks civilians.

Israel, meanwhile, despite having the obvious upper hand in the fight, holds three-hour ceasefires to allow foreign aid into Gaza. Their targets are military in nature, and any civilian casualties result entirely from Hamas' own barbaric actions.

This difference in tactics in part explains the difference in casualties between the two groups, but it does not represent the wishes or motives of either. The idea here, of course, is of 'proportionality,' which has been screamed ad nauseam by many of Israel's staunchest foes. Chomsky thankfully and wisely avoids condemning Israel in this regard. For those who don't, proportionality is a great way of looking at legal justice (the punishment fits the crime), and it's fine for settling personal scores, but it's the coward's way of hamstringing a country when applied to war.

It's especially worthless in this case because of the difference in capabilities between Hamas and the IDF. Hamas' claim to 'proportionality' holds only because Hamas is brilliantly ineffective, and because Israeli citizens have so much practice evacuating against incoming rockets.

Hamas militants shoot thousands of rockets at Israel, but, much to their chagrin, manage to kill far fewer Israelis. Meanwhile, modern weapons and trained personnel characterize the IDF. Were the roles reversed, or if Hamas, as it has in the past, comes into possession of more advanced weapons, one could only guess how many Israeli civilians would be killed.

Proportionality measures this difference in effective capabilities: it says nothing about future effectiveness or more importantly, motivation.

Consider the not so far-fetched analogy of Hamas as a crazed gunman with an assault rifle. He can shoot many shots at a time, but he's not very accurate. Say only one round of every hundred he fires actually hits its target. The gunman isn't very effective at hitting his target, but certainly not for lack of effort. Still, how

many of us would be willing to stand as this gunman's target for decades on end, as Israeli citizens have done against militant rockets? Can we really doubt the gunman's intent? In this case, how can we ignore the passage of his founding charter pledging complete destruction of the target?

It seems logical that Israel has acted to defend itself from Hamas. However, Chomsky stated in his talk that Israel attacked Gaza for territorial gains and to punish the Palestinians for voting the wrong way, thus disobeying the, "master," as he calls Israel.

The first claim has proven to be false less than a week after it was made, as the current ceasefires on the parts of Hamas and Israel have Israeli troops leaving Gaza as I write. Meanwhile, Israel's Prime Minister, Ehud Olmert, actively supports the two-state solution for solving the conflict, whereas Hamas works to destroy and take over Israel. If Israel has any territorial goals with respect to Gaza, it's more likely that they'd enjoy being able to use the southern half of their country without fear of rocket strikes.

Chomsky's other claim is that the recent conflict is intended to punish the inhabitants of Gaza for electing Hamas in a 'free' election. Not true. Israel, and anyone who values human life for that matter, would of course love to see Hamas (and their militant friends) fall from power. After years of fighting and sirens warning of attacking rockets, being left alone is more important to Israel than the internal politics on their southern fringe.

Hamas, however, does not leave Israel alone, as I've already stated. To take Chomsky's lead in referencing World War Two, the U.S. and Great Britain arguably could have cared less about what Hitler or Hirohito were doing within their respective countries, but war broke out when the dictators broke out of their borders.

Residents of Gaza can vote any way they want, but when their rulers start lobbing rockets outside of their borders, they must anticipate a deserved reaction from the infringed-upon party. National sovereignty and the limits placed on a nation's actions, much like the principle of personal liberty, extends only to the point of encroaching on others.

As President Obama said during the campaign last year, "If somebody was sending rockets into my house where my two daughters sleep at night, I'm going to do everything in my power to stop that, and I would expect Israelis to do the same thing."

However, the conflict is over now, and a temporary peace has once again settled on Gaza. Both sides will probably claim victory in the future — Israel claiming that it has thwarted Hamas' ability to bomb Israeli cities, and Hamas claiming that they drove off the infidel aggressors.

To summarize, the fundamental difference in reasons behind the actions of Israel and Hamas can perhaps best be illustrated by looking at Chomsky's talk.

Throughout the discussion, Chomsky often patronized Israel by claiming that they treated their terrorist foes and the population that supports them not as humans, but as, "two-legged beasts." In the broader sense, however, it is the supporters of Hamas, the jihadists, and the true terrorists who consider their enemies to be sub-humans, and view their lives as worthless.

The two players in this game abide by a separate set of rules: to Israel belongs scrutiny and ire of the international eye. To Hamas, merely the desire to destroy the rules of western society.



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The Gaza Situation

A Response to Noam Chomsky's Remarks

Ethan Solomon

Last Tuesday, Noam Chomsky explained to a packed auditorium at MIT's Center of International Studies that Israel's recent invasion of Gaza was nothing if not "familiar."

Chomsky blasted Israel for purposefully targeting Palestinian civilians, similar to claims laid against Israel during the war with Lebanon in 2006. And while it may be true that Olmert's and Barak's plan is to so utterly destroy Gaza's civilian infrastructure that the Palestinian's will have no choice but to reject Hamas, Chomsky also argued that it was Israeli provocation, and Israeli provocation alone, that is at the root of the continuing and yet un-resolved Israeli-Palestinian conflict.

However, regardless of Israel's current tactics or the actions of some of its allegedly corrupt politicians, it is naive and dangerously short-sighted to suggest that the whole crisis could be resolved if Israel were to simply "end criminal actions in the occupied territories" and accept the two-state solution.

Simply put, the situation is much more complicated on both sides than Chomsky seems to give credit for. Israel's government may have an

imperialist-aggressive complex and may have even intentionally derailed previous plans for peace, but Hamas' internal dynamic is equally complicated.

Chomsky claimed that Hamas was willing to accept peace with Israel if Israel agreed to the recent peace proposal incorporating a two-state solution.

However, just last year, a top Hamas commander, Nizar Rayyan, commented on the possibility of a 50-year truce: "The only reason to have a hudna (cease-fire) is to prepare yourself for the final battle. We don't need 50 years to prepare ourselves for the final battle with Israel. Israel is an impossibility. It is an offense against God."

Even if top Hamas politicians are willing to accept a two-state solution permanently, there are still people like Nizar Rayyan with their finger on the trigger. It's hard to argue that the Hamas government in Gaza has more control over its "fighters" than Israel's government has over the IDF.

Even if negotiations didn't collapse over "minor border modifications," as Chomsky described them, in hashing out a newer treaty incorporating the two-state solution, what guarantee does Israel have that an enraged Hamas

"fighter" won't step on a bus in Tel Aviv and blow himself up, or that a man like Hussam Dwayat won't run a bulldozer down Jaffa Street in Jerusalem, killing three, like what happened last year?

And on the other side of the coin, what's to ensure one of Israel's shells don't land "off the mark" again, like the IDF claimed when a UN school was destroyed in Gaza a few weeks ago? These are issues that threaten lives but are not addressed by purely political solution.

So what is the solution for a lasting peace? Perhaps it would be more productive for countries like the United States to divert the billions of dollars in military aid to Israel towards building schools and infrastructure in Gaza and the West Bank. Israel has indeed made efforts like this towards the Palestinians in the past, however contradictory that may seem today.

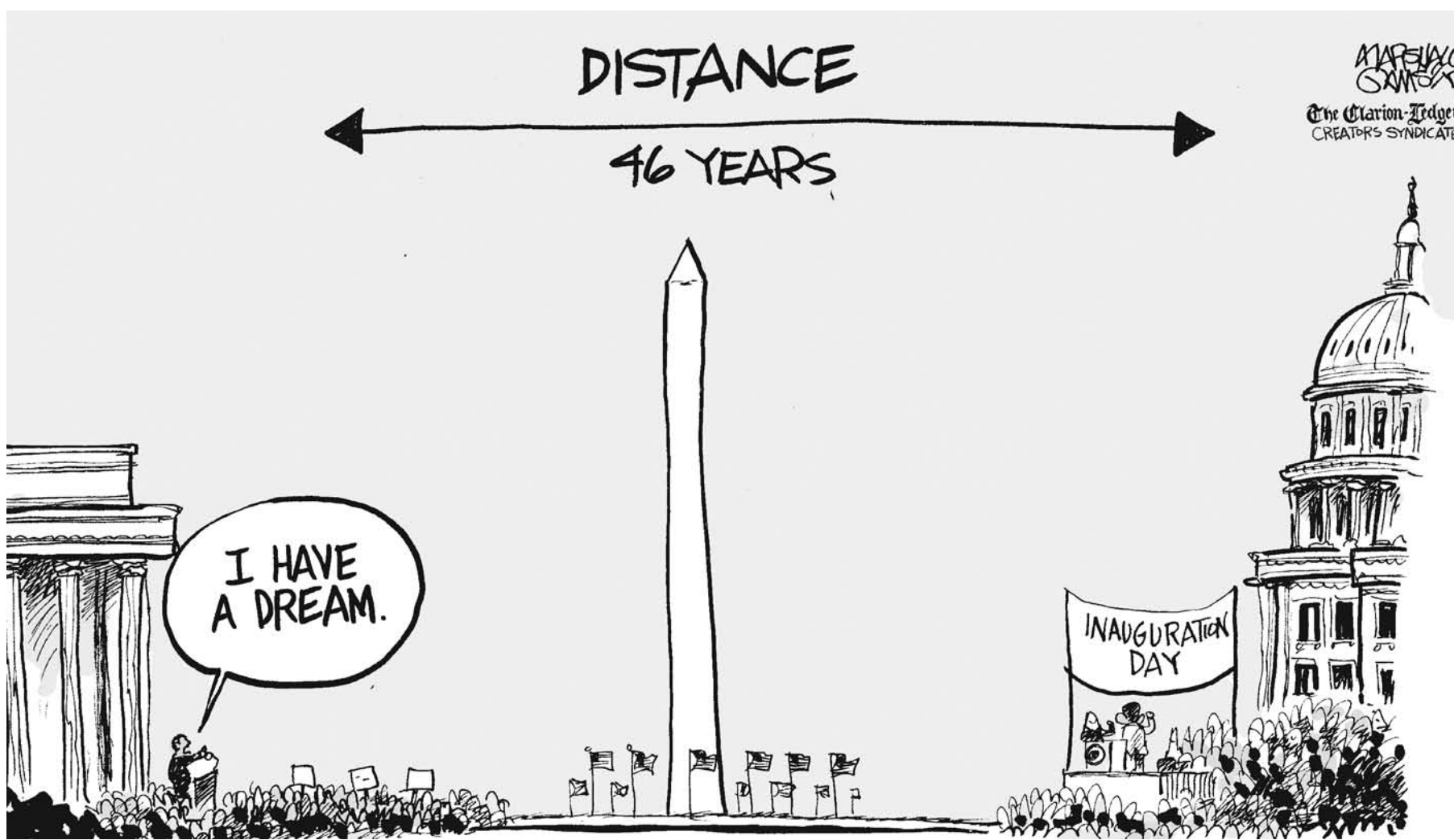
Perhaps the best way for Israel to convince the Palestinian people to reject Hamas would be to support them in building a stable economy and modernizing the Gaza strip. A prosperous Gaza is much less likely to support, or even tacitly enable, a group like Hamas when Hamas isn't providing food, shelter, and social programs (or threatening civil war with Fatah).

The US, Israel, the EU, and others have the ability to fund and provide these kinds of services more effectively than Hamas can, so why have we left our humanitarian obligations up to a terrorist organization?

At the moment it would seem a jarring transition, but in the future, IDF soldiers building schools in Gaza and distributing relief aid would make Israel safer in a way that missiles and rocket artillery never could. The truth is, Hamas only exists because the people of Gaza are living in fear.

The whole conflict really isn't about religion or about "who was here first." History and religion are always molded to fit the society, not the other way around. People like Hussam Dwayat and Prime Minister Ehud Olmert aren't radicalized to violence by a border the UN drew in 1948 or because the Koran or Torah tells them to be violent.

So we need to start thinking about solutions that address the real core of the conflict. Solutions that address the situations which allow terrorist organizations like Hamas or the Israeli warmongers to win parliamentary elections. And that solution lies with the people of Israel and the people of Gaza, not in political gestures.



CAMPUS LIFE

Squid vs. Whale

I am so not going to spend the last minute of my life doing 8.01

By Charles Lin

CAMPUS LIFE EDITOR

Thoughts of an (imaginary) MIT student on US Airways flight 1549:

Ugh, the ascent always takes forever. Why can't they hurry up and let me use my electronic devices? I really want to watch that DVD screener of "Slumdog Millionaire" on my laptop. Stupid FAA, it's not like my laptop is actually going to interfere with the guidance systems. Black boxes don't run on 802.11b. Gah, these guys are idiots.

I hate these Airbuses. Why don't they have power ports? I'm gonna have to under-clock my processor so I have enough juice to last to Charlotte. Man, IAP isn't even over yet and I could really use some caffeine. Where's that beverage cart already?

BANG.

Crash! What was that? Eerie silence. Seriously, did anyone else notice that? Smells like my 6.002 lab. Holy shit. Are the engines gone? Oh shit shit shit, we're losing altitude, this is not good.

Why me, why me, why me? The odds of this happening are like a million-to-one. No, less. Hold on, I bet I can figure this out. Wish I could just Google it — no time to get the iPhone out. Okay. Think. Think. The odds have gotta be less than dying in a shark attack or bee sting, so that must mean it's like 52.6 million-to-1. I wonder if that's normalized? Do you think there are geographic dependencies? Like the fact that I'm falling onto Manhattan? What about factoring in that I'm on a shitty Airbus?

God this sucks.

I can't believe I'm actually going to die on an Airbus. This is why you never let Europeans make planes. I wonder how fast we're going? Okay, I can totally back-of-the-envelope this. Just assume the plane is a sphere of uniform density, no sweat. Wait, wait — I am so not going to spend the last minute of my life doing 8.01.

Shouldn't my life be flashing before my eyes? There's so much I have left to do. I just got my Death Knight to level 80 and I'm about to get a full set of Tier 7. Crap. If I'm not here, who's going to lead the raid tonight? I wonder what will happen to my gear if I die? I wish WOW would let you bequeath BOP items. Stupid Blizzard.

Oh man, and I'm never going to get a chance to see "Watchmen". That trailer rocked. I hope it's better than "The Spirit". Although Scarlett Johansson is so hot. I should spend my last seconds of life thinking about her. Her and Summer Glau. River Tam is so awesome. I bet she could survive this plane crash.

Brace for impact? What is this captain thinking? It's not like moving my head is going to make a difference when a 20-ton aircraft comes crashing into something. Oh man, is that the river? Okay, maybe we have a chance, despite the fact that hitting the water at 60 miles per hour is like running into concrete. But still, people survive airplane crashes all the time. I could be one of the survivors — if only I'd passed my swim test.

AHAHHAGHSGHASHGAHSHG this sucks. Okay, think positive. This plane must have a fairly decent glide ratio. Figure with all the flaps extended, our final velocity will be only about 160 miles per hour. Factor in a shallow angle of descent. We got a chance, man. We got a chance. Dude, I crash-landed my plane a thousand times on "Chuck Yeager's Air Combat" back in the day. If I can land a P-51 without any engines and bullet holes in my chest, this guy can bring us down. If I die, I wonder if my Mac LC will be waiting for me in heaven. Playing "Sim City" during computer lab was so much fun.

I wonder what my chances of living are? They always say the back of the airplane is the safest place, and here I am in seat 15A. I wonder if that function is linear. I wonder if they have data on whether window or aisle makes a difference. These windows don't look too sturdy.

Everyone's all quiet and praying and stuff. Why can't people be rational thinkers? Praying's not going to help.

We've only got a few seconds left, better bone up on the safety instructions. It might help. Better than cramming for algorithms. Okay, let's see: "put your head between your knees", "your seat may be used as a flotation device", "assume a brace position"... hehe, assume the position.

BAM!

Owwwwwww I was not expecting that. Lame. Oh man, now we're spinning... ugh, I feel all that Anna's from lunch coming up. Not

cool, not cool.

Okay, deep breaths, deep breaths. Hey, good news, man, you're going to live! That's awesome! I can still raid tonight! Tier 6 here we come!

Oh shit, water is entering the plane. Can't swim, can't swim, can't swim. That's it — next IAP I am so taking a swimming P.E. I swear I will — just as long as it doesn't interfere with Mystery Hunt.

Alright! Time to leave the plane. Gotta get out quickly. Wait — no one's taking things with them. I need my laptop. Do I take my laptop? Uhhhhhhh. Such a hard decision. What if I die because I was trying to take my laptop with me? That would be such fail. Shit, this is so difficult. Okay. I'm gonna power the laptop on and maybe I can shell in through my iPhone if the plane doesn't sink. This is what I get for not backing up my stuff. Okay, next IAP, I'm totally backing up all my files. I swear.

Sweet, I am out of the plane. Damn this water is really, really cold. I wonder how long until I get the hypothermia. Screw the FAA, I can check that shit right now! Okay, iPhone out. Going to Google. Wait — better update my Twitter, my guild is going to be so geeked out when they hear about this. "Crash landed plane in Hudson, gtg, being rescued. CU at Naxx tonight 7 p.m. EST k l8r." Gotta do my Facebook status next. Oh wait. Dude, I could totally be like the first person to post this on Reddit. That's going to be so much karma. Man, today's like the best day ever.

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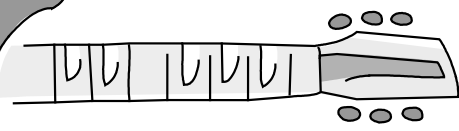
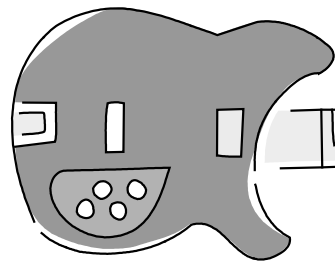
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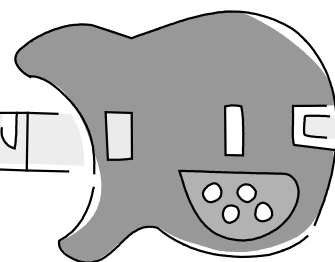
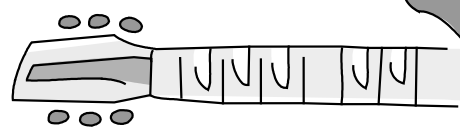


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ARTS

What I'm Listening To

My Introduction to the European Jazz Scene

By Sam Markson

STAFF WRITER

The Tomasz Stanko Quartet
Suspended Night
ECM Records
2004

The story of jazz is a desperate struggle of birth and rebirth, of constantly trying to ride the “new,” of reinventing how we feel and relate to the world. Today’s innovators fuse genres, add instruments, at once rejecting the past and later resurrecting it. The

jazz gods need constant infusions of blood to stay happy.

But sometimes, all they need is a change in geography.

I stumbled across Tomasz Stanko by chance. His style was different, but hard to put a finger on. His work on the trumpet echoes a lot of other players in the avant-garde jazz community, but manages to stand apart. He’s not pushing boundaries *per se*, but he’s definitely changing what we do with the ones we have. Listening to him play evokes all the same jazz imagery: the lonely streetcorner, the half-burnt cigarette,

the ice cubes at the bottom of a glass. But it’s displaced from anything in the traditional jazz canon. Most jazz is intrinsically bound up in the American ideal — our politics, our cities, our architecture, our streets, our people. By contrast, the Tomasz Stanko Quartet — Polish all — creates new jazz by taking it to the Old World.

The effect is somber, urban, curious, nostalgic. While “Suspended Night” echoes a lot of what Don Cherry and others have touched upon in the past, Stanko manages to keep his sound angular without being adversarial. The effect is one of the mellowest, most thought-provoking

albums I have heard in a while. It’s minimalist and spontaneous, both grungy and fluidly effervescent.

Not to be forgotten are his ensemble members Marcin Wasilewski (piano), bassist Slawomir Kurkiewicz, and drummer Michal Miskiewicz. I particularly liked Wasilewski, whose style, often compared to Bill Evans’, provides the core of much of the album.

I intend to pick up more of Stanko’s work, and also a lot of his lesser-known European contemporaries, also commonly found on the ECM label.

MOVIE REVIEW ★★★

Portrait of a City

“Tokyo!” a unique, three-director work

By Maggie Liu

STAFF WRITER

Tokyo!
Michel Gondry, Leo Carax, Bong Joon

“Tokyo!” is a three-part film connected only by the Japanese capital and the eerie strangeness of the unconventional, distinctive portrayals. All three directors’ contributions provoke investigation of the supernatural and fantastic, while maintaining the underlying themes of self-discovery and human relationships.

Michel Gondry (“Eternal Sunshine of the

Spotless Mind”) directs the first vignette, “Interior Design” in “Tokyo!”. A young couple by the names of Akira and Hiroko move into the city. Akira is the novice filmmaker who seeks to fulfill his ambitions. Hiroko, Akira’s girlfriend, finds herself not sharing Akira’s enthusiasm for the city. The awkward transition to cosmopolitan life forces her to question both their relationship and means to express herself creatively. Gondry’s attention to the subtle details in characters’ expressions make dialogue irrelevant. The very real interactions and witty par between the couple breathe life into the on screen relationship.

The second part, “Merde”, follows a horrific creature that lives in the sewers and wreaks havoc in Tokyo. While initially one expects a parody on Godzilla, the film veers towards political commentary when Merde, the sewer creature begins distinctly terrorist activities. Leo Carax (“Bad Blood”) presents both a disturbing and darkly humorous film — his tongue-in-cheek humor saves the film from being a potential B-rated horror flick.

“Tokyo!” ends with a slow but endearing piece by Bong Joon Ho, “Shaking Tokyo”. Here we are told the story of a middle-aged misanthrope in the most gentle way (a *hikikomori*)

who has not left his house for ten years. With only a telephone as his means of communication to the outside world, the man is forced to leave his house due to unforeseen circumstances and evaluate his reasons for being a *hikikomori*. Bong succeeds in bringing a quiet gentleness to the screen through sparse dialogue and beautiful shots.

None of the directors are Japanese, hence all of the 30-minute films are especially refreshing perspectives on Japan’s capital city. The underlying themes will resound with all viewers, proving that from the strange to the lovely, there’s a bit of “Tokyo!” in everyone’s lives.

CONCERT REVIEW

Hope at the End of Things

Tashi plays Messiaen’s “Quartet for the End of Time”

By Sudeep Agarwala

STAFF WRITER

Quatuor pour la fin du temps (Quartet for the End of Time)
Olivier Messiaen
Tashi Quartet
RCA Victor Gold Seal
1976

Hearing the all-star cast of the Tashi quartet (Peter Serkin, Ida Kavafian, Fred Sherry, and Richard Stoltzman) record Messiaen’s quartet in 1976 feels much like looking at pictures of your parents before they had any children. Each of these musicians has gone on to an illustrious musical careers of his own, and this particular recording was made before much of their serious careers as musicians. Although younger at the time of this recording, the quartet realizes Messiaen’s work with a mature exuberance and an intense attention to motive and detail that vaulted Messiaen’s music to the fame it currently enjoys: the vast litany of recordings of the work all seem to begin with this one in mind. Though this is an older recording, there is still no surprise that it was recommended

by Alex Ross in his recent work, “The Rest is Noise”.

It was, of course, a pity that the quartet should have disbanded after this recording, yet fitting that these four musicians should have come together to present this quartet last year for Messiaen’s centennial celebration. It has been nearly forty years after Barthes killed the author and Foucault wrote the epitaph, but now is as good a time as any to reflect on Messiaen’s experience and intentions in writing “Quartet for the End of Time”.

Olivier Messiaen was captured as a prisoner of war in the fall of 1940 while he was fighting in World War II. While interned in Germany at Stalag VIII-a, Messiaen met three other professional musicians: clarinetist Henri Akoka, violinist Jean le Boulaire and cellist Étienne Pasquier. The combination isn’t necessarily traditional (but not without precedent) and it seems that necessity was a catalyst for Messiaen’s talents: a little more than a year later, Messiaen and the three other musicians premiered the quartet to an audience of four hundred inmates and prison guards.

The piece is conceived and developed from *Revelation 10:1-2, 5-7*, a majestic description of the coming of the angel that brings in the apocalypse. Each of the movements reconciles an aspect of this vision in Messiaen’s very personal sense of Catholic mysticism, in his own description: I. Liturgy of Crystal, II. Vocalise, for the angel who announces the end of Time, III. Abyss of birds, IV. Interlude, V. Praise to the eternity of Jesus, VI. Dance of fury, for the seven trumpets, VII. Cluster of rainbows, for the angel who announces the end of Time, VIII. Praise to the immortality of Jesus.

The music itself is hauntingly detached and imperial, yet personal. Certainly, Messiaen’s God is somehow majestically draconian, his Christ is marmoreal. Birds flit in and out of Messiaen’s world not as worldly creatures but spectral missives of the sort Noah or Mary beheld. As detached and dispassionate as this may seem, there are uniquely personal elements throughout the entire piece: the birdsong of the third movement, or the religious reverie that pulses through the obsessive driving uni-

son of the sixth movement.

Certainly, there are many reasons that Messiaen thought fit to compose a piece for the end of time. Personal reasons aside, Messiaen’s musical narrative takes place at the end of a social and political era — World War II was ushering in a world of economic hardship for the national leaders of the free world; Nazi persecution, torture, and mass murders were re-defining the image of humanity and the regard for human life in terrifying new ways; scientific developments magnified human power over nature to previously unthinkable levels and revolutionized its perception of reality. The ways in which the old regimes were changing were not necessarily exciting or hopeful. In fact, many of the recent developments seemed the opposite. However, written in a German war camp, about the end of the world, the end of time, Messiaen’s piece, steely in its portrayal of God and the Apocalypse still manages optimism. Messiaen’s end is not one of fire, inhumanity and mass destruction. His world saw the end in praise of eternal comfort and glory.

MIT CENTER FOR INTERNATIONAL STUDIES
mit.edu/cis/starr.html | starrforum@mit.edu

STARR FORUM




I Live Here

Thursday, Jan. 29, 5 PM
MIT Rm. 6-120

SPEAKER
Mia Kirshner, Author and Actress

I Live Here is a multimedia publication that presents the first-hand stories of refugees and displaced people in four specific areas of the world. Also featured at the event will be short documentaries on unheard voices in the region presented by students from Mia’s two-week “I Live Here” course at MIT.

web.mit.edu/cis | web.mit.edu/ihouse
A Starr Forum Event Co-Sponsored by
MIT Center for International Studies & MIT International House for Global Leadership

20.104 Chemicals in the Environment: Epidemiology, Toxicology and Public Health

(Same subject as 1.081, ESD.053J)

William G. Thilly and Robert McCunney

thilly@mit.edu

mccunney@mit.edu

Prereq: 5.112 or 3.091, 7.01x

Units: 3-0-9

Lecture: Tuesday and Thursday 1:00-2:30 (56-169)

Quantitative analysis of relationships between occupational and environmental exposures and risk for common mortal diseases such as cancer and atherosclerosis. Use of U.S. and Japanese mortality data to delimit the historical timing of changes in environmental risk. Use of state wide community data to explore local environmental risks. New this spring: Exploration of role of newly discovered “metakaryotic” organogenic stem cells in tumor and plaque initiation. See <http://epidemiology.mit.edu>.

Inauguration Day 2009



ERIC D. SCHMIEDL—THE TECH



PERRI HUNG—THE TECH



NICK BUSHAK—THE TECH

Top left: Hackers placed a presidential seal banner on the facade of Building 10, beneath the Great Dome, early on the morning of Jan. 20, 2009.

The crowds stretched from Capitol Hill to beyond the Washington Monument.

Above: Millions of visitors congregate around the National Mall in Washington, D.C. yesterday.

Left: Parisians watch President Barack Obama's inaugural address outside a packed Carr's Irish Pub in downtown Paris yesterday.

Students Meet Challenges at Mystery Hunt 2009



RACHEL FONG—THE TECH

Above: Members of the Manic Sages team organize their previously-solved puzzles in order to tackle a metapuzzle at 6 a.m. on Jan. 17. A metapuzzle is a puzzle whose solution is found by using the answers to puzzles from each mystery hunt round or stage. The team Manic Sages included students from the Experimental Study Group and the independent living group Epsilon Theta, as well as remote solvers and friends. They were the third team to finish this year's hunt.

hall. Pet Mangoes, a team consisting of residents, alumni, and friends of Simmons Hall, solved more than 66 of 104 puzzles in the hunt.

Bottom right: Members of the Mystery Hunt team Manic Sages, affiliated with MIT's Experimental Studies Group and with Mathcamp, concentrate on solving individual puzzles.

Right: Freshman members of the team Pet Mangoes Marie Hu, Brian D. McCarthy, Brian Carvalho work on puzzles on Saturday Jan. 17 in the team headquarters in Simmons dining

Below: Members of the mystery hunt team Pet Mangoes made pancakes spelling the word "HUNT" as part of a team breakfast held on Saturday morning. Breakfast was held in the Simmons dining hall, which also served as the team headquarters during the hunt.



WILLIAM YEE—THE TECH



WILLIAM YEE—THE TECH



RACHEL FONG—THE TECH



Grow Further.

RESUME DEADLINE

Monday, January 26th

All MIT Juniors interested in summer positions at BCG should apply. Applications should include a resume, cover letter, GPA and SAT scores along with your top 3 office preferences.

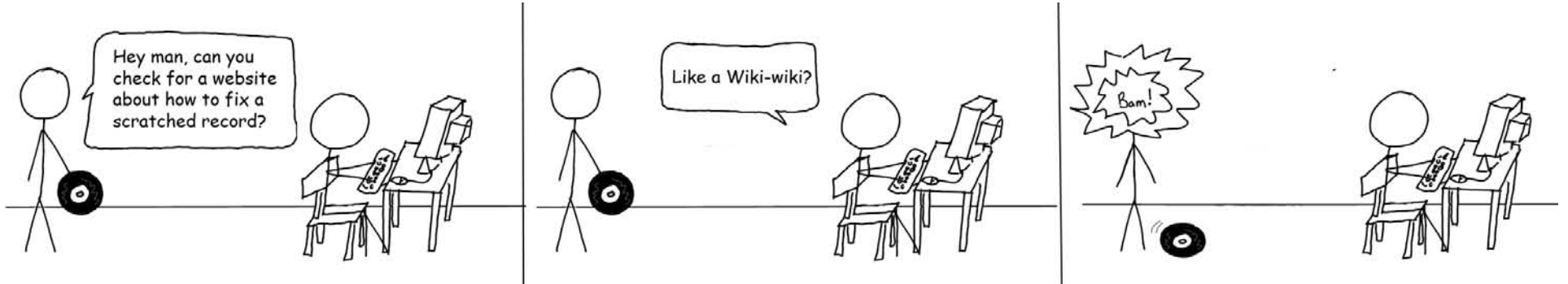
<http://onlineapplication.bcg.com/MIT>

BCG

THE BOSTON CONSULTING GROUP

The Daily Blunderbuss

by Ben Peters



Crossword Puzzle

Solution, page 12

ACROSS

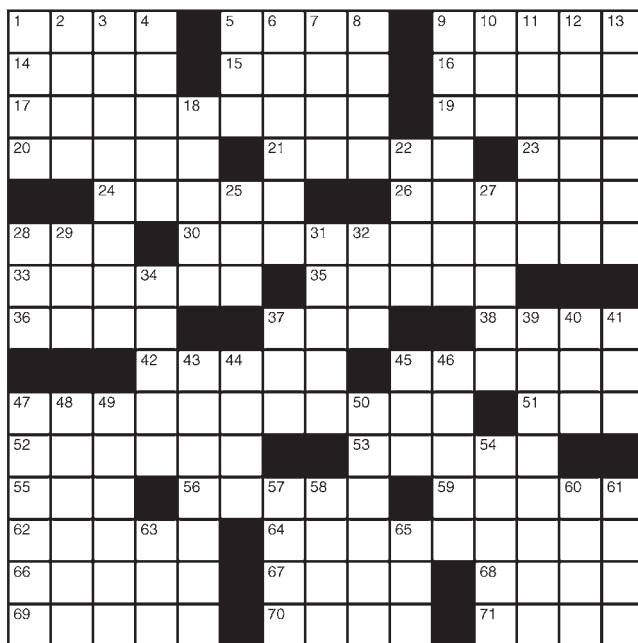
- 1 WWW addresses
- 5 Frenzied
- 9 Portents
- 14 Act like an usher
- 15 Yawn
- 16 Composition for nine
- 17 Start of Katharine Hepburn quote
- 19 Fall bloomer
- 20 Bikini, for one
- 21 Ford's folly
- 23 Oklahoma town
- 24 Corruptible
- 26 In truth
- 28 Immediate
- 30 Part 2 of quote
- 33 Pocketbooks
- 35 Male red deer
- 36 Formerly, formerly
- 37 Decade count
- 38 Close
- 42 Wickerwork willow
- 45 Kisses and cuddles
- 47 Part 3 of quote
- 51 Talk informally
- 52 Overturns
- 53 "More Than I Can Say" singer

- 55 French co.
- 56 Timex rival
- 59 Weather conditions
- 62 Gung-ho
- 64 End of quote
- 66 Mr. T's outfit
- 67 Youngsters
- 68 Unless, in law
- 69 Eastman and Thomas
- 70 Bigfoot's shoe size
- 71 Passed with flying colors

- 22 Eternal
- 25 Capp and Capone
- 27 Actress Rene
- 28 Orangutan or gibbon
- 29 Mongrel
- 31 Heat unit
- 32 Solo in "Star Wars"
- 34 "Dred" author
- 37 __ Aviv-Jaffa
- 39 Terrifying
- 40 Spanish article
- 41 Recipe amt.
- 43 TV comedies
- 44 Ingrid in "Casablanca"
- 45 987-65-4321 group
- 46 __ out (intimidate)
- 47 Desert blooms
- 48 Narcotic
- 49 Online newsgroup
- 50 Tristan's love
- 54 Actress Verdugo
- 57 Rice wine
- 58 Nastase of tennis
- 60 Erato or Clio
- 61 Oklahoma city
- 63 Lah-di-__
- 65 Half a fly?

DOWN

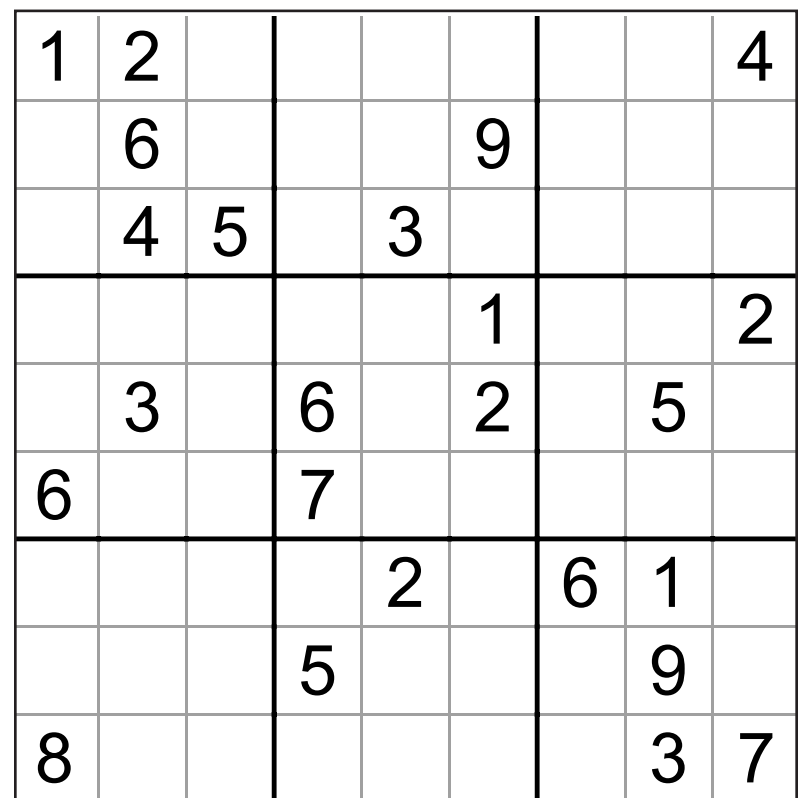
- 1 Voice of America org.
- 2 Deprived
- 3 Times between flights
- 4 Ripped off
- 5 In days past
- 6 Phone company, once
- 7 Columnists' pg.
- 8 Florida islands
- 9 Standing by
- 10 Cal. pages
- 11 Necessitate
- 12 Tailor's tool
- 13 Wanders off
- 18 Arm bones



su | do | ku

© Puzzles by Pappocom

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9. Solution on page 12.



Solution, tips, and computer program at <http://www.sudoku.com>

Pseudoscience

by Daniel Klein-Marcusamer

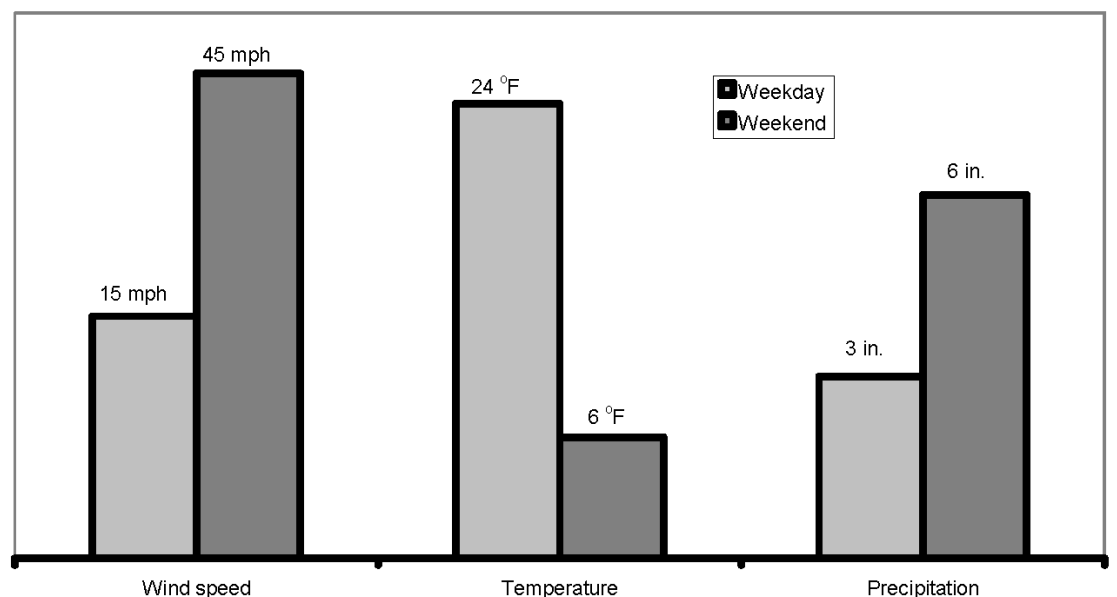


Figure 46. The figure shows key weather parameters averaged over either weekdays or weekends from November through March in New England. The trends here depicted have a two-pronged effect: (1) an increase in productivity throughout the Northeast by encouraging indoor activities; and (2) an intensification of the so-called seasonal affective disorder, in particular when considering that the daylight-saving time results in sunsets occurring a couple of hours after lunchtime. The latter fact has been used by the New England Student Association as an argument for moving the two-day break to mid-week, while the former has incentivized the Professor's counterpart to defend the *status quo*. The lack of student leverage in the negotiations results in the observed outcome of the debate. (Archives available at <http://pseudocomic.blogspot.com>)

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INFORMATION SESSION

Wednesday, January 28, 2009
6:00pm - 7:30pm
Waltham Campus

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MAT@brandeis.edu • 781-736-2022 or visit our website at:
www.brandeis.edu/programs/education/mat

Steal MyComic

by Michael Ciuffo



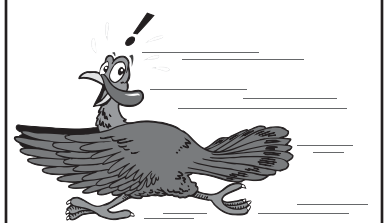
APPLY for a Council for the Arts Grant

Application deadline:
February 6, 2009

Contact:
Susan Cohen
cohen@media.mit.edu

Application:
web.mit.edu/arts/do/funding/grantguide.html
web.mit.edu/arts/do/funding/grantguide.html
web.mit.edu/arts/do/funding/grantguide.html
web.mit.edu/arts/do/funding/grantguide.html
web.mit.edu/arts/do/funding/grantguide.html
web.mit.edu/arts/do/funding/grantguide.html

Gobble, Gobble, Gobble



We're wild
about turkey
at *The Tech*

join@tech.mit.edu

20.020: Learn how to design and build living organisms that solve real world problems



Instructor: Natalie Kuldell

9 units, T/R 11:30a - 1p and W 2-5p

No prerequisites

[http://openwetware.org/wiki/20.20\(S09\)](http://openwetware.org/wiki/20.20(S09))

Was the Moon Once Magnetic?

Moon, from Page 1

Many of the rocks brought back from the moon have a faint magnetic signal, suggesting that they originally cooled from magma when the moon had a magnetic field. That was a surprise to many scientists who thought the moon was too small and too cold to have ever possessed a geomagnetic dynamo where electric currents from the convection of molten iron generate a field.

The evidence was inconclusive because the moon's surface has been repeatedly bashed by meteorites, and the shock of impact can also leave a magnetic signature on rocks.

But a 4.2-billion-year-old rock named troctolite 76535, collected by Harrison Schmitt, the only trained geologist among the Apollo moon walkers, offers a pristine view of the moon's early history. (Troctolite is a type of rock made of the minerals olivine and plagioclase.) The rock is significant because it formed when the moon was only 300 million years old, and previous studies showed that it had never been shocked, or altered, by the force of an impact.

Garrick-Bethell's research showed two distinct magnetic fields within the rock, or at least within the small fragments they examined. The first field, he said, was set when the rock first crystallized perhaps 30 miles beneath the surface over several million years. Then it appears that a meteorite impact knocked the rock close to the surface without shocking it, but heating it enough to erase part of its magnetic field and imprint a second field at a 140-degree angle to the first as it cooled a second time over thousands of years.

The slow cooling time appears to rule out the possibility that the fields were caused by meteorite impacts, the researchers said.

The researchers arrived at their findings by placing the rock chips in an increasingly strong magnetic field, which "erased" the rock's magnetism bit by bit. That allowed them to see whether the magnetic atoms had lined up in the same direction, as would be expected if the magma had cooled in a magnetic field.

THE 2ND ANNUAL HUMMUS EXPERIENCE

Make Your Own Hummus

(RSVP required - israeli-hummus@mit.edu)

7PM / Tuesday January 20TH / W11

The Hummus Taste Off

12PM / Wednesday January 21TH / W20 (PDR #3)

Learn How To Make Hummus For Beginners

7PM / Thursday January 29TH / W11

Hummus Tour

(RSVP required - israeli-hummus@mit.edu)

9AM / Tuesday January 27TH / W11

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

from page 10

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

Solution to Sudoku

from page 10

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



MIT Hillel



ISRAELI ASSOCIATION



MIT ISRAEL

Students Hope Obama Will Change America's Relations With World

Inauguration, from Page 1

Adam J. Leonard '12, an Obama phone volunteer, said he was excited for the new administration. He thought that the media had focused too much on the race of America's first black president throughout the campaign. Some MIT students had largely ignored the campaign, he said, which he thought was a shame because of its historic significance.

Jake Gable, a senior in political science at Boston University, said that Obama had challenged a political apathy he had developed through years working on grassroots political campaigns. For the first time in years, Obama gave him hope for

real change, he said. Gable, who described himself as a socialist, said he was pleased by Obama's reception overseas, especially in Europe.

Students interviewed said they cared most about Obama's potential to improve America's foreign relations. Many students said they hoped for bipartisan policymaking. And some said they hoped for more research support: the crowd in 10-250 erupted into cheers when Obama promised to "restore science to its rightful place" in his inaugural address.

Students said they thought the address was the highlight of the ceremony, while they found other parts — the swearing in, the benediction, the poetry, and more — superfluous.

News Briefs, from Page 1

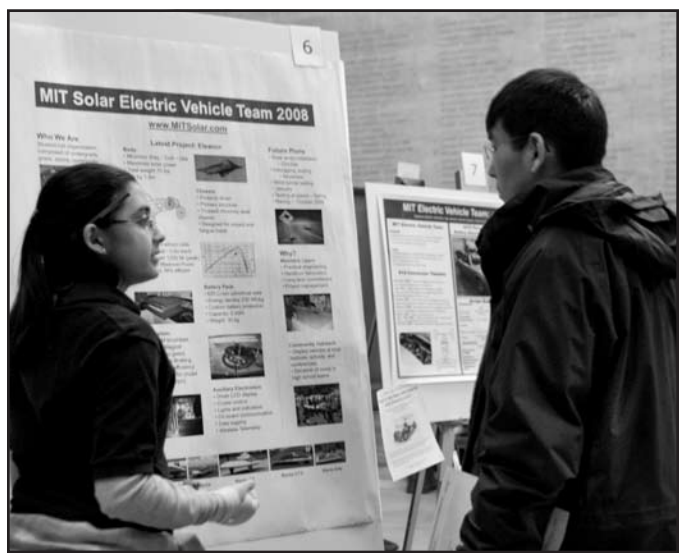
of diversity."

The site, titled "Diversity & Inclusion @MIT" and available at <http://web.mit.edu/diversity>, currently features MIT reports on diversity and the proceedings and a webcast of the Nov. 18, 2008 Diversity Leadership Congress. Over 300 MIT affiliates attended the Congress, and the suggestions made by participants are now available online.

In an anonymized comment published in the "Diversity Leadership Congress Feedback Summary," one participant wrote, "One big event is not enough to raise the level of awareness. MIT will need sustained smaller efforts to help managers better understand how to identify and confront Diversity goals. ... My sense is that many people are uncomfortable discussing these sensitive issues, others do not want to lose critical time."

The site, announced by Vice President for Human Resources Alison Alden, Chancellor Phillip L. Clay PhD '75, and Secretary of the Corporation Kirk D. Kolenbrander, is expected to be updated regularly. The mailing list diversity@mit.edu is open to community members who want to get more involved in issues concerning diversity and inclusion.

—Robert McQueen



JESSICA LIN—THE TECH

Anjali Tripathi '09 answers questions about the MIT Solar Electric Vehicle Team at the Energy, Environment, and Sustainability Student Group and Project Showcase on Thursday night Jan. 15 in Lobby 10. The showcase was a part of the MIT Energy Initiative's "Energy Futures Week," which ran from Jan. 12 to Jan. 15.



JESSICA LIN—THE TECH

Female alumni chat at the Association of MIT Alumnae's "Woman-to-Woman - Life After MIT" networking event on Thursday, Jan. 15.

SIPB IAP

Caffeinated Crash Course in C

Wed Jan 21, 3:00–6:00pm, 1-115

UNIX is Your Friend

Wed Jan. 21, 6:00–7:00pm, 4-237

Get comfortable with using the command line.

Building Filesystems with FUSE

Wed Jan. 21, 9:00–11:00pm, 1-115

Math Secrets for the Computer Scientist

Tues/Thurs Jan 22, 27, 29, 7:30–8:30pm, 56-114

The computing world uses more math than you think.

Programming LaTeX

Thurs Jan 2, 3:30–5:30pm, 4-237

Take advantage of LaTeX's programmable nature.

Bad Ideas in KernelSpace

Fri Jan 23, 3:00–5:00pm, 4-231

Mod the Linux kernel for fun and utility.

Advanced C

Fri Jan 23, 5:00–7:00pm, 4-231

Learn how to use C's advanced features and hardware ops.

Intro to Software Exploitation

Mon, Tues, and Wed Jan 26–28, 2:00–4:30pm, 8-119

Learn how people crack software & how you can stop them.

The Internet Shouldn't Work

Wed Jan 28, 5:00–7:00pm, 4-237

Learn the real magic behind the series of tubes.

sipb.mit.edu/iap

MIT Darwin Bicentennial Symposium January 22-24, 2009

Thursday, Jan. 22, 2009: *The Evolving Earth*

The Broad Institute Auditorium

1 pm – 5 pm: *Origin of the Solar System & early Earth; Evolution of oceans & Earth's early atmosphere; Evolution of photosynthesis*

7 pm – 9 pm: *Life alters the Earth; History & future of Earth's climate*

Friday, Jan. 23, 2009: *Evolutionary Mechanisms Among Vertebrates*

The Broad Institute Auditorium

9 am – 12:30 pm: *Darwin, Wallace & the Origin of Species; Evolution & development of the vertebrate brain; Novel mechanisms of evolutionary change; Evolution of the vertebrate eye*

2 pm - 5 pm: *Natural selection in humans & pathogens; Fish fins to tetrapod limbs; New insights into the diversification of beak morphology in Darwin's finches & regressive evolution in cave fish.*

Saturday, Jan. 24, 2009: *Darwin in Society*

The MIT Museum

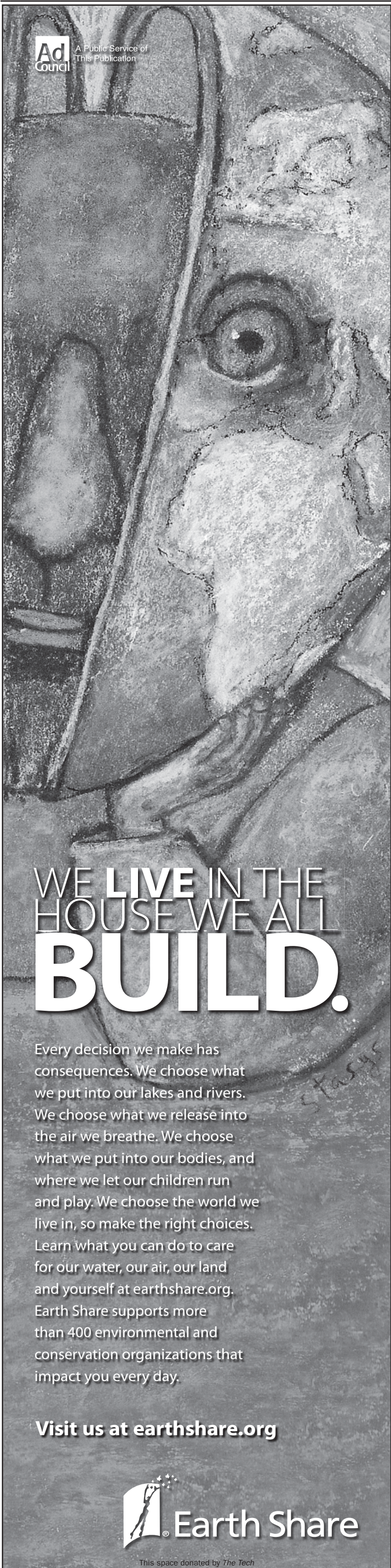
9 am – 12 noon: *The emergence of Darwin's evolutionary theory; Darwin & the naturalization of human culture; The evolution of cell division; The battle between pathogens & the immune system.*

1:30 pm – 4 pm: *Darwin, Abolition & struggles for human equality; Current controversies over the teaching of evolution*

For full schedule and to register please visit:
<http://www.darwinbicentennial.org>

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Visit us at earthshare.org



This space donated by The Tech



Daniel J. Stallworth '11 breaks it down in Lobby 13 during a session of break dance classes run by MIT Imobulare on Jan 14. VIBIN A. KUNDUKULAM—THE TECH

**13th
EUROPEAN
CAREER FAIR @ MIT**
January 24 - 26, 2009

European Innovation and Entrepreneurship Workshop
Fri, Jan 23 - 11:30am-2pm MIT, Stata Center (32-141)

Learn about the strengths and opportunities of the innovative and entrepreneurial European countries. Registration required.

★ ★ ★

Career Fair Day
Sat, Jan 24 - 9am-5pm MIT, Johnson Track (W34-200)

110+ employers will present themselves, meet face-to-face with candidates, give special 30 min presentations on their companies and distribute specific job descriptions. Recruiters will invite exceptional candidates for interviews, so bring your resume!

★ ★ ★

Interviews
Sun, Jan 25 - Mon, Jan 26 Hyatt Regency Cambridge

By invitation only. Employers determine format and exact location.

★ ★ ★

Other affiliated activities
Sun, Jan 25 Hyatt Regency Cambridge

- 9am-12:30pm Research in Germany - Registration required
- 3pm-7pm Working in The Netherlands
- 2pm-4pm Industry in Europe - Sciencecareers Panel



Organized by MIT European Club in collaboration with MISTI and the European Commission



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join@tech.mit.edu

I DON'T WANT TO STUDY!

Scoreboard, from Page 15

Men's Gymnastics	
Saturday, Jan. 17, 2009	
MIT (6th)	312.9
Pennsylvania State University (1st)	345.2
Springfield College (4th)	326.2
Temple University (3rd)	328.05
U.S. Naval Academy (2nd)	329.15
U.S. Military Academy (5th)	317.75

Women's Gymnastics	
Saturday, Jan. 17, 2009	
Ithaca College (1st)	182.25
MIT (4th)	170.425
Southern Connecticut State University (2nd)	181.8
SUNY Cortland (3rd)	177.625

Men's Ice Hockey	
Wednesday, Jan. 14, 2009	
Northeastern University	3
MIT (5-3-1)	5
Saturday, Jan. 17, 2009	
University of New England (7-4-1)	10
MIT (5-4-1)	4

Women's Ice Hockey	
Friday, Jan. 16, 2009	
MIT (2-8-1)	0
New England College (7-6-0)	4
Saturday, Jan. 17, 2009	
MIT (2-9-1)	0
Saint Anselm College (10-3-1)	4

Men's Track & Field	
Saturday, Jan. 17, 2009	
Colby College (3rd)	21
MIT (1st)	204
Bates College (2nd)	128

Women's Track & Field	
Saturday, Jan. 17, 2009	
Colby College (3rd)	89
MIT (1st)	151
Bates College (2nd)	123

Squash	
Friday, Jan. 16, 2009	
Vassar College (0-10)	1
MIT (6-3)	8
Saturday, Jan. 17, 2009	
University of Southern California	1
MIT (7-3)	8
Hamilton College	9
MIT (7-4)	0

Men's Swimming	
Saturday, Jan. 17, 2009	
MIT (4-0)	214
Colby College	71
Sunday, Jan. 18, 2009	
Springfield College	100.5
MIT (5-0)	197.5
U.S. Coast Guard Academy	117
MIT (6-0)	179

Women's Swimming	
Saturday, Jan. 17, 2009	
MIT (4-1)	153
Colby College	144
Sunday, Jan. 18, 2009	
Springfield College	157
MIT (4-2)	143
U.S. Coast Guard Academy	100
MIT (5-2)	199

Men's Volleyball	
Friday, Jan. 16, 2009	
Sacred Heart University (2-0)	3
MIT (0-1)	2
MIT (0-2)	2
SUNY New Paltz (1-1)	3
Saturday, Jan. 17, 2009	
Elms College (0-3)	0
MIT (1-2)	3

Wrestling	
Wednesday, Jan. 14, 2009	
MIT (1-5)	30
University of Southern Maine (3-6)	22

Sports Shorts, from Page 16

Coast Guard Academy. The Engineers topped the Bears, 199-100, while falling to the Pride, 157-143, moving to 5-2 for the season.

Springfield scored the decisive blow after winning the 400 free relay despite sophomore Amy E. Jacobi's 53.6 second anchor leg for MIT. Jacobi enjoyed a terrific afternoon at home, impressively winning the 100-meter freestyle in 54.65 seconds, while leading a 2-3-4 split in the 50-meter freestyle. Jacobi swam in 25.10 seconds, with Ashley E. Pinchinat '10 and Sarah B. King '10 touching just behind her. Springfield's Moira Price won the hotly contested race with a time of 25.05 seconds.

Jacobi delivered a strong start for the Engineers on Sunday with her split of 24.6 seconds to anchor MIT's winning 200 medley relay. Allison M. Alwan '12, Abigail M. Clark '09, and Jennifer A. Chao '09 completed the unit, which won the race with a time of 1:53.70.

Chao added to her first-place totals for the weekend by sweeping the fly events for the second consecutive day. Chao swam 1:00.61 in the 100-meter and 2:14.10 in the 200-meter. MIT secured two more wins on the afternoon as Nicole O'Keeffe '09 crushed the field en route to a win in the 1000 (10:42.56), while rookie Sydney A. Giblin '12 finished first in the 200 individual medley (2:16.75).

—James Kramer, DAPER Staff

No. 11 MIT Men's Swimming Tops Coast Guard and Springfield

Once again, the MIT men's swimming and diving team flexed its muscles in Zesiger Pool, improving to 6-0 on the season after netting decisive victories against conference foes Springfield and Coast Guard. The Engineers, who are ranked 11th in the latest national poll, defeated Springfield, 197.5-100.5 and Coast Guard, 179-117.

Jeffrey Y. Zhou '10 finished in 52.45 seconds, as the Engineers swept the top four places in the 100 fly, with Deke Hu '09, Brett L. Boval '12, and Toomas R. Sepp '11 touching the wall next. Following the stunning win, Matthew R. Chapa '12 led a 1-2-3 sweep in the 200 IM. Chapa finished in 1:59.34 with James S. Griffin '12 and Timothy J. Stumbaugh '12 grabbing second and third, respectively. Capping the meet with a strong win in the 400 free relay, Luke R. Cummings '10 ignited the team with a lead-off split of 47.00 seconds, while Laurent Charpentier '10 followed Peter J. Wellings '09 and Andrew W. Pierson '12 with an anchor split of 46.40 seconds.

Stumbaugh out-duelled teammate Ryan N. Terbush '12 to win the 100-meter backstroke in 53.27 seconds before nabbing a significant victory in the 200-meter backstroke (1:56.27).

Stumbaugh wasn't the only MIT swimmer to collect two individual wins, as Cummings and Michael J. Dobson '11 each accomplished the feat. Dobson swept the distance races, going 4:48.31 in the 500-meter and 10:03.27 in the 1,000-meter. Cummings handled the free sprints; he split 21.38 seconds to hold off Zhou in the 50-meter, and finished just ahead of Charpentier in the 100-meter with a winning split of 47.04 seconds.

Charpentier picked up a win of his own earlier in the day after swimming 1:44.81 in the 200-meter freestyle. He also sparked a blistering back end to the Engineers' winning the 200 medley relay with a fly split of 22.9 seconds. Cummings anchored in 20.9 seconds, with Zhou and Rastislav Racz '10 combining to finish in 1:36.46.

Chapa won the 200 fly for the second consecutive day, splitting 1:57.49 to nab MIT's 12th event victory of the meet.

—James Kramer, DAPER Staff

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Application deadline January 28
On-campus interviews February 11

The D. E. Shaw group will conduct on-campus interviews on February 11. To apply for an interview, log on to CareerBridge. If this isn't possible, please send a resume and cover letter stating your GPA and standardized test scores, broken down by section where applicable, to jobs@deshaw.com. All applications must be received by January 28.

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DE Shaw & Co

SPORTS

Game of the Week

MIT Track and Field Takes Top Spot Against Bates and Colby

By Greg McKeever
DAPER STAFF

The MIT men's and women's track and field teams kicked off their 2009 campaigns with a pair of resounding first place finishes over Bates and Colby Colleges on Saturday at Bates. The men's total of 204 points far outpaced second-place Bates, who finished with 128 team points; Colby finished in third with just 21 points. MIT's women totaled 151 points while Bates finished second with 123 and Colby again came in third with 89.

The men's team relied on strong performances by its runners, who claimed the top spot in all but three events on the track. Stephen A. Morton '10 (23.04 seconds) and Khalil A. Dozier '12 (23.54) in the 200-meter sprint were one of four pairs of MIT runners to finish one-two, with Mor-

ton claiming his second of four event wins. In the 400m, Daved N. Reshef G (53.09) just outpaced teammate Nicholas W. Leonard '11 (53.41). William S. Phipps '09 (1:24.67) took first in the 600m while Matthew F. Bieniosek '09 (2:00.69) took the 800m by almost two seconds over Stephen R. Serene '12. Phipps, Leonard, John A. Granata '11 and Kevin G. Kleinguetl '11 combined to lead the Engineers to victory in the 1600-meter relay.

Morton helped MIT solidify its first-place standing in the field events, out-jumping his counterparts in both the long jump (6.78 meters) and the triple jump (14.47m). Anthony D. McDonald '10 was the first of four Engineers to earn points in the shot put with a distance of 13.58 meters.

On the women's side, Jacqueline M. Wentz '10 led a solid showing in the distance events, capturing 1000m (2:59.94) and the one-mile

run (5:10.01). Anna Holt-Gosselin '11 (10:43.54) crossed the finish line just ahead of teammate Jennifer A. Doyle '09 (10:43.65) in the 3000m run. Portia M. Jones '12 also had a strong performance on the track, winning the 200m (27.62), and placing second in the 55m hurdles (9.00) just behind Amy R. Magnuson '10 (8.66).

Hazel L. Briner '11, Alexandra R. Manick '12, Ajoke O. Williams '12 and Martha M. Gross '12 combined to give MIT a victory in the 4x200 meter relay.

In the field events, Emily Hwang '09 helped Tech take the top three spots in the pole vault, clearing 3.34 meters to take first place. Magnuson secured a second-place finish in the long jump, with a distance of 4.78 meters.

MIT will take part in the Terrier Classic hosted by Boston University next weekend, starting Friday, Jan. 23.



WILLIAM YEE—THE TECH

Amy J. Marshall '09 leaps in front of a Babson basketball player on Saturday Jan. 17. The Engineers lost 73-38.

Men's Basketball Storms Past Springfield, 89-64

Preseason All-American James M. "Jimmy" Bartolotta '09 led the MIT men's basketball team to an 89-64 victory over Springfield College by scoring 33 points against the Pride in a NEWMAC contest at Springfield's Blake Arena.

Sports Shorts

MIT is now 12-4 overall and 4-0 in the New England Women's and Men's Athletic Conference, the first time it has ever begun conference play with a 4-0 record. The Engineers have won five in a row overall.

MIT led by 20 at the half (55-35), when this game was really decided. The closest Springfield came in the second half was within 15 points on two occasions, the last with 5:08 remaining (77-62) on a three-pointer by John Strawson. But MIT ended on a 12-2 run to finish it off.

After all was said and done, Bartolotta scored 33 points, adding four rebounds, two assists, and a block for the game. He was 10-for-14 from the floor, 5-of-7 from 3-point range, and 8-of-9 from the charity stripe in just 27 minutes of work. Willard J. "Billy" Johnson '09 scored 22 points and added five rebounds and two steals. James D. Karraker '12 was the third double-figure scorer for MIT with 13 points, while fellow rookie William E. Bender '12 scored eight points, and added three assists and three steals.

As a team, MIT made 13-of-24 three-point attempts, for an outstanding 54.2 percent.

The 89 points and 25-point margin of victory were the most ever by an MIT team against Springfield, while the Engineers also set an Institute record for the most points scored in a conference game.

—James Kramer, DAPER Staff

Women's Swimming Splits Against Coast Guard and Springfield

The women's swimming and diving team capped a busy weekend with a split against NEWMAC rivals Springfield College and the U.S.

Sports Shorts, Page 15

UPCOMING HOME EVENTS

Wednesday, Jan. 21, 2009

Women's Basketball vs. Worcester Polytechnic Institute
7 p.m., Rockwell Cage

Friday, Jan. 23, 2009

Women's Ice Hockey vs. Plymouth State University
7 p.m., Johnson Athletic Center

Saturday, Jan. 24, 2009

Pistol vs. U.S. Merchant Marine Academy
9 a.m., duPont Athletic Center
Women's Swimming vs. Tufts University 1 p.m., Zesiger Center
Men's Swimming vs. Tufts University 1 p.m., Zesiger Center
Women's Ice Hockey vs. University of Southern Maine
3 p.m., Johnson Athletic Center

Sunday, Jan. 25, 2009

Pistol vs. U.S. Merchant Marine Academy
9 a.m., duPont Athletic Center

Tuesday, Jan. 27, 2009

Men's Volleyball vs. Endicott College 1 p.m., Rockwell Cage



WILLIAM YEE—THE TECH

Nicholas R. LaBounty '09 looks down for a pass in a game against New England College on Saturday Jan. 17.



ALLISON M. ALWAN—THE TECH

Captain Jennifer A. Chao '09 swims the 200-yard butterfly for the Engineers during the meet on Sunday Jan. 18 versus NEWMAC rivals Coast Guard Academy and Springfield College. Chao took first place in both the 100-meter and 200-meter butterfly. The men's team topped both Coast Guard (179-117) and Springfield (197.5-100.5) while the women's team was split, winning against Coast Guard (199-100) but falling to Springfield (143-157).

SCOREBOARD

Men's Basketball		Women's Basketball	
Wednesday, Jan. 14, 2009			
MIT (11-4)	75	MIT (4-8)	56
U.S. Coast Guard Academy (7-7)	72	Wellesley College (7-4)	98
Saturday, Jan. 17, 2009			
MIT (12-4)	89	Babson College (9-6)	73
Springfield College (7-8)	64	MIT (4-9)	38

Scoreboard, Page 15