

Not 'Just Visiting': First-Years Here to Stay

By Marie Y. Thibault
STAFF REPORTER

MIT students like a challenge, and navigating the maze of choices facing a first-year student provides a taste of things to come. Fortunately, help is on the way, and undergraduate and graduate orientations are designed to help acclimate new students.

Freshman Orientation aims to make new students "feel like part of the MIT community," said Orientation Coordinator Timothy D. Pennington '06. Orientation 2005 kicks off today with a new event, the President's Convocation, at 4 p.m.

This year's Orientation has the theme Technopoly, playing off the board game Monopoly, said Julie B. Norman, associate dean of Academic Resources and Programming. Orientation paraphernalia sport logos that replace Monopoly's Mr. Moneybags with Tim the Beaver, complete with top hat and cane, and freshmen receive Chance or Community Chest tickets for meal cards.

Graduate student events range from karaoke at The Thirsty Ear Pub to a cruise on Boston Harbor. President Susan Hockfield and Cambridge Mayor Michael A. Sullivan will welcome the incoming graduate students



GRANT JORDAN—THE TECH

Not realizing he is about to suffer the same fate, Jeremy A. Conrad '06 (orange shirt) launches a successful strike on an East Campus resident. The annual West vs. East Water War, sponsored by the Dormitory Council, was held yesterday at 5:00 p.m. in Kresge Oval.

at the Graduate Welcome Address.

REX 2005 shorter, more intense

During first few days of orienta-

tion, freshmen travel around campus in search of their preferred dormitory in Residence Exploration (REX).

This year's REX is shorter than

in past years, said Dormitory Council President Harvey C. Jones '06.

Orientation, Page 14

Research Associate Shin-Kyu Yang's Death A Suicide

By Beckett W. Sterner
NEWS EDITOR

MIT research associate Shin-Kyu Yang, 44, PhD '99 committed suicide on July 10.

Yang, a researcher in the MIT Center for E-Business, received masters and doctorate degrees from the Sloan School of Management, and was an assistant professor at New York University's Stern School of Business prior to his return to MIT.

Yang was a "rigorous researcher" who brought "a really deep skill with mathematics" to his work, said Erik Brynjolfsson, director of the Center for E-Business and professor at MIT.

Brynjolfsson said Yang was "a very funny, outgoing guy" when he was a student at MIT. Yang's thesis on how organizations benefit from information technology investment "might be one of the best master's theses ever written," Brynjolfsson said.

Shin-Kyu Yang, Page 13

Grad Students Now Pay \$17 For Off-Campus Phone Service

By John A. Hawkinson
STAFF REPORTER

Information Systems & Technology has moved graduate student dormitory phones to a new service model, which requires a \$17 per month fee for students to receive calls from outside campus and place calls to off-campus numbers.

The change was made Monday, Aug. 22. Undergraduate dormitory residents will switch service models on Sept. 12.

Allison F. Dolan, director of Telephony for IS&T, said that 300 graduate students have signed up for the full service phones, with more than two-thirds signing up only a couple of days before the switch.

Only 17 undergraduates have signed up so far, she said. All students must sign up before Sept. 12 or pay a \$25 activation fee.

IS&T placed stickers and flyers on phones to notify students of the service change.

The decision to charge students for outgoing calls was made by Housing and IS&T. IS&T raised

Phones, Page 13

MIT Student Zachary Weston Disappears on Mount Rainier

By Beckett W. Sterner
NEWS EDITOR

Mount Rainier National Park Rangers called off their search for Zachary Weston '07 on Thursday, Aug. 18, according to an *Associated Press* article. Weston was hiking alone and was reported missing when he failed to meet a friend.

Weston, 22, a Course XVI (Aero-

navics and Astronautics) major, started camping at the park on June 22 and was last seen on Aug. 11.

Park rangers found tracks matching Weston's on a ridge separating two glaciers, but were unable to find him after searching for seven days. Weston is not believed to have carried equipment for hiking on glaciers.

Orientation, Page 14

A Mission To Bring Smiles To Boston

By Jiao Wang
STAFF REPORTER

In a city marked by subway bomb scares, high temperatures and humidity, and the usual stresses

Feature



of life, one man stands in the middle of Haymarket Square in the sultry heat urging people to be happy.

"Smile, smile, smile..." says Irving Cherander, a 64-year-old, un-

married man of medium build.

"Are these free?" asks a passerby.

"What a stupid question. Why would I stand here and give away free things?"

Dressed in a beige suit jacket, Red Sox fan shirt, and blue jeans, Cherander stands next to his large black umbrella supported by a wooden stand and pole. Every once in a while, a child who runs ahead of his parents would wander under the umbrella to shade himself from the sun.

Smiley buttons adorn the front of Cherander's jacket, adding radiance to the elderly man with blue

Haymarket, Page 12



OMARI STEPHENS—THE TECH

Johann K. Komander '09 demonstrates his tire-swinging skill to upperclassmen and freshmen alike. Senior House held its Tire Swinging competition on Saturday, Aug. 27.



Comics

NEWS

MIT researchers make ice cream with liquid carbon dioxide. 12
Kathy Lin reviews local grocery stores. 12

The Tech reviews options for purchasing textbooks. 14
SafeRide stops for all four shuttle routes. 14

World & Nation. 2
Opinion. 4
Arts. 6
Daily Confusion. 15
Sports. 15

WORLD & NATION

Congress Is Feeling Heat From Public Over Iraq

By Carl Hulse
THE NEW YORK TIMES

WASHINGTON

With lawmakers facing tough questions at home about the war in Iraq, Sen. John W. Warner, the chairman of the Armed Services Committee, says he intends to summon Defense Secretary Donald H. Rumsfeld quickly for a hearing when Congress returns next week.

Warner, a Virginia Republican who is one of the most important congressional voices on military policy, said mounting numbers of dead and wounded Americans, the contentious process of drafting an Iraqi constitution and the economic cost of the war were adding up to new anxiety in Congress.

"The level of concern is, I think, gradually rising," Warner said in an interview on Friday. "Our nation has given so much to the Iraqi people, and what are they giving us in return?"

Unlike some of his colleagues in both parties, Warner said he did not see parallels between the current situation and the Vietnam era.

Killing of Two Serbs Raises Fear Of Ethnic Unrest in Kosovo

By Nicholas Wood
THE NEW YORK TIMES

BELGRADE, SERBIA

Two Serbs were killed late Saturday in a shooting in Kosovo, police officials said Sunday, ending a yearlong lull in attacks on the Serbian minority in the province.

The men came under attack while traveling in a car near the Serb enclave of Strpce in the south of Kosovo, which is administered by the United Nations. Two other men in the car were wounded, one of them seriously. The attack came as senior U.N. officials are preparing to rule next month whether ethnic relations have improved enough to open negotiations on the future of the province.

Kosovo has been run by the United Nations since Yugoslav troops, who were accused of committing widespread atrocities against the majority Albanian community, were forced to withdraw in 1999. Kosovo formally remains a part of Serbia, but most Albanians, who make up 90 percent of the population, want independence.

A spokesman for the United Nations, Neeraj Singh, said the Serbian men had been fired upon from another vehicle. The mayor of Strpce suggested they had been attacked because their car had outdated Serbian license plates, clearly identifying them as Serbs, according to Reuters.

Injuries Are Rampant On Women's Tennis Tour

By Liz Robbins
THE NEW YORK TIMES

An injury epidemic swept through the women's tour this summer, hitting shoulders, chests, backs, knees and ankles, sparing virtually no one during the hardcourt season, which seemed to be focused less on competition than on attrition.

Who is left? And what do they have left for the U.S. Open, the last Grand Slam event on the annual circuit?

The questions are becoming more disconcerting for the WTA Tour as it watches the bodies of many of its best players break down at an alarming rate.

"We do not see a pattern; it's not like there's one injury befalling tennis players like, say, ankle injuries," said Larry Scott, the chief executive of the WTA Tour. He added that it was clear that the Tour needed "to continue to improve the schedule to allow for appropriate rest."

Technology has made the women's game more powerful, the schedule is more demanding, and the pressure to prepare off the court has intensified. And all those factors have led to increased injuries.

Three lower-seeded players withdrew last week from the Open because of injuries, two shoulder-related, one a sprained ankle.

As Hurricane Katrina Nears, Residents Flee New Orleans

By Joseph B. Treaster and Abby Goodnough
THE NEW YORK TIMES

NEW ORLEANS

Hurricane Katrina, one of the most powerful storms ever to threaten the United States, bore down on the Gulf Coast on Sunday, sending hundreds of thousands of people fleeing the approach of its 175 mph winds and prompting a mandatory evacuation of New Orleans, a city perilously below sea level.

"We are facing a storm that most of us have long feared," said Mayor C. Ray Nagin of New Orleans, who issued the order to evacuate. "This is a once-in-a-lifetime event."

The hurricane's eye was expected to make landfall around daybreak on Monday in southeastern Louisiana — possibly squarely in New Orleans.

The low-lying city has avoided a direct hit from a powerful storm since Hurricane Betsy in 1965. In addition to the dangerous winds, Nagin said, Hurricane Katrina could bring 15 inches of rain and a storm surge of 20 feet or higher that would "most likely topple" the network of levees and canals that normally protect the

bowl-shaped city from flooding.

That possibility was enough for many of the city's 485,000 residents to heed the mayor's call to leave, paralyzing traffic along major highways from just after daybreak and into the evening.

"I probably won't have a house when I go back," Tanya Courtney, 25, who lives in the city's French Quarter, said Sunday in Gulfport, Miss., where she and a group of friends bound for Atlanta stopped for a rest.

Many others in New Orleans, including stranded tourists, stayed behind, with as many as 10,000 of them crowding into the Superdome arena, which the city designated as a shelter of last resort.

People five and six abreast waited in line for hours to get into the arena, clutching children, blankets and pillows, oversize pieces of luggage or plastic bags filled with belongings.

"When you are on a holiday you don't really follow these kind of things," Neil Coffey, 35, a tourist from Britain, said as he stood in line with a group of other tourists to get into the Superdome. "We were surprised. We don't get hurricanes like this at home."

Ernest Paulin Jr., a 55-year-old unemployed welder from New Orleans, said he looked around his three-bedroom, wood-frame house where he has lived alone since the death of his wife last year and decided to head for the Superdome.

"I just didn't want to take a chance," said Paulin, who like many arrived with hastily-packed possessions. He was carrying a small plastic bag containing his eyeglasses, medication and a paperback book, a Tony Hillerman novel, "The First Eagle."

After crossing South Florida late last week, killing nine people as a weaker storm, Hurricane Katrina intensified over the warm waters of the Gulf of Mexico, growing early Sunday morning into a Category 5 storm, the strongest step on the Saffir-Simpson scale. Since records have been kept, there have only been three Category 5 storms to hit the United States — Hurricane Andrew, which ravaged Florida and Louisiana in 1992; Hurricane Camille, which cut a path through parts of Mississippi, Louisiana and Virginia in 1969; and an unnamed storm that hit the Florida Keys in 1935.

Suicide Bombing Leads Israelis To Start Patrol of Gaza Border

By Steven Erlanger
THE NEW YORK TIMES

JERUSALEM

A Palestinian carrying explosives blew himself up during rush hour Sunday morning in Beersheba, the first act of suicide terrorism since Israel pulled its settlers out of the Gaza Strip last week.

Hours later, the Israeli Cabinet voted overwhelmingly to allow Egypt to patrol its border with Gaza with 750 armed men, permitting Israel to withdraw the last of its soldiers from Gaza in the next month.

In a statement issued by the official Palestinian news agency, WAFA, the Palestinian president, Mahmoud Abbas, condemned the bombing in Beersheba, 55 miles south of Tel Aviv, as "a terrorist attack." Two security guards were critically wounded and another 46 people were hurt.

The bomber asked a bus driver for directions in a dirt parking lot 100 yards from the Beersheba bus station. The driver, suspicious, directed him to another bus and called security guards, who chased the man and asked him for documents. The man then detonated his explosives, but he was not in a crowded area.

The militant groups Islamic Jihad and Al Aqsa Martyrs Brigades claimed responsibility for the attack, identifying the bomber as Ayman Zaaqiq, 25, of a village near Hebron. But Shin Bet, Israel's counterterrorism agency, said Zaaqiq was in custody, so the identity of the bomber remained unclear.

Israeli officials condemned the bombing as "a wake-up call that brings us back to the reality of terrorism after the euphoria of the Gaza disengagement," said Raanan

Gissin, an aide to Prime Minister Ariel Sharon. "As long as the Palestinians don't take decisive action against terrorism this will continue, and Abbas' strategy of making political deals with terrorist organizations will come back to haunt him," he said. "They smell that he's weak, and they'll keep pressing."

But Abbas pointed to an Israeli army raid in the West Bank town of Tulkarem on Wednesday night that killed five Palestinians as "a provocation," after having earlier said that the raid "intentionally seeks to renew the vicious cycle of violence" at a time "when the Palestinian Authority is trying to maintain calm."

That raid by Israelis was aimed, Israel said, at a cell of Islamic Jihad that had planned the two most recent suicide bombings, in Tel Aviv on Feb. 25 and in Netanya on July 12, in which 10 Israelis died.

WEATHER

All Eyes on Hurricane Katrina

By Cegeon J. Chan
STAFF METEOROLOGIST

As of late last night, Katrina, a category 5 (the highest on the Saffir-Simpson scale), still packed maximum sustained winds of 160 mph. One of the most astonishing characteristics is the extremely low pressure. Yesterday evening, an observation indicated 902 mb, the fourth lowest on record in the Atlantic basin. Most hurricanes do not maintain an intensity this strong, but with warm sea surface temperatures and a lack of any large-scale features that could weaken Katrina, computer models show Katrina will make landfall between the eastern half of Louisiana and Gulf Shores, Alabama by the morning hours at least as a category 4 hurricane.

Since Katrina is massive (hurricane force winds extend outward over 70 miles and tropical storm winds extend up to 230 miles) and with Katrina's wrath being forecasted along densely populated areas, this hurricane could likely break the record that Hurricane Andrew (\$31 billion) caused in damage in 1992. Back in Boston, although most of the day should remain dry, any outdoor Orientation activities are in jeopardy as a band of pesky rain showers will linger along the coast causing the rain to turn off and on.

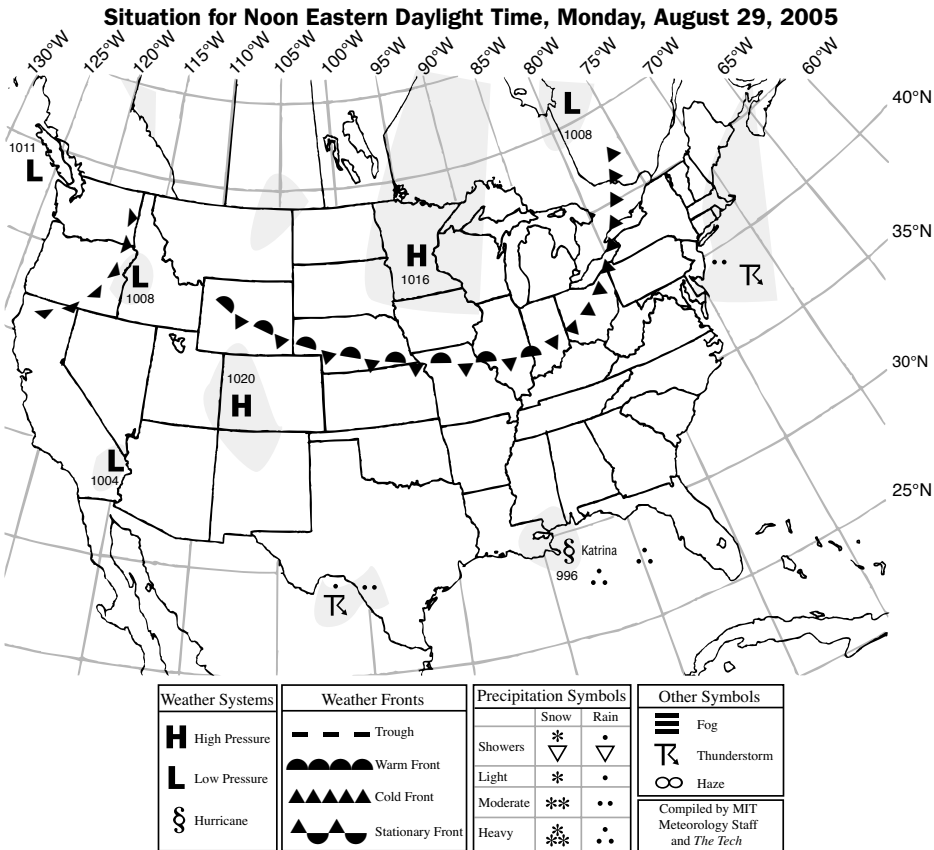
Forecast:

Today: Mostly cloudy. A chance of showers. Patchy fog in the morning. Humid with highs in the low 80s°F (27°C).

Tonight: Mostly cloudy. A chance of showers in the evening, then showers likely with a chance of thunderstorms after midnight. Humid with lows in the mid 60s°F (18°C).

Tomorrow: Showers likely with a chance of thunderstorms. Humid again. Highs in the upper 70s°F (25°C).

Tomorrow Night: Mostly cloudy. Humid in the mid 60s°F (16°C).



U.S. Military Retooling Tactics In Case of War With N. Korea

By Thom Shanker
THE NEW YORK TIMES

CAMP CASEY, SOUTH KOREA

American commanders are making significant changes in their plans in the event of a military conflict with North Korea, to rely in large measure on a new generation of sensors, smart bombs and high-speed transport ships to deter and, if necessary, counter that unpredictable dictatorship, the senior U.S. commander in South Korea says. The shift in strategy is being undertaken even as the United States cuts the number of troops here by one-third and begins moving the remaining soldiers farther from the demilitarized zone, to improve their chances of surviving any North Korean offensive.

Army headquarters in Washington has made a formal announcement that a brigade of 2nd Infantry Division soldiers sent urgently from South Korea to Iraq last year will not return to South Korea, but will instead return to a base in the United States. That puts the American troop commitment in South Korea on track to drop from 37,500 — a figure maintained since the early 1990s — to 25,000 by 2008. In a recent interview that provided

a detailed public description of the highly classified war-planning process, Gen. Leon J. LaPorte, the commander, described how American contingency plans are being reshaped by new theories of war-fighting and by new military technology.

“We have better intelligence,” he said, so the American and South Korean militaries will have more advance warning if North Korea mobilizes for war, providing the opportunity to locate and attack its vast arsenal of artillery and rockets.

“We have precision-guided munitions,” he added. “We have better weapons systems. We have better communications. So we are able to not only accomplish our current mission, but increase our capabilities — at the same time reducing the number of personnel it takes to do this.”

American plans call for moving those troops remaining in South Korea away from the border with North Korea — where for decades they have been within easy killing range of 12,000 artillery pieces and rocket tubes — to new positions where the troops would have greater chances of absorbing, and then responding to, a

North Korean offensive. The plans were under discussion before the war in Iraq began.

“Why would we want to have our valuable resources underneath the artillery of North Korea?” LaPorte said. “Our high-value assets are now disposed where they would not be under immediate fires. It gives us the operational agility we need.”

The shift of the American footprint here has an added benefit, as the movements also ease tensions with South Koreans. The tight embrace of urban sprawl from the South Korean capital, Seoul, had surrounded a number of American bases that were set up decades ago at what had been the end of dusty roads.

As the nation’s senior war planners survey the world for potential military rivals, there is no doubt that the most significant state rivals are China and North Korea — and that the nuclear, Communist North Korea is by far the more unpredictable. In the interview, LaPorte also pulled back the curtain on the latest intelligence assessments of a North Korean threat across a demilitarized zone just 11 miles from this American base.

Constitution Denounced by Sunnis, But Still Sent to Iraqi Parliament

By Dexter Filkins
and Robert F. Worth
THE NEW YORK TIMES

BAGHDAD, IRAQ

Iraqi leaders presented a disputed constitution to the country’s parliament on Sunday, overriding the objections of Sunni negotiators and setting the stage here for a protracted period of political conflict.

The Sunni negotiators, who included former members of Saddam Hussein’s Baath Party, publicly denounced the constitution and called on Iraqi voters to send it down to defeat when it goes for a vote on Oct. 15. Some of the Sunnis said that they expected the guerrilla violence to surge.

A Sunni member of the constitutional committee, Mahmoud al-Mashadani, said, “We have reached a point where this constitution contains the seeds of the division of Iraq.”

In the face of these developments, President Bush, at his ranch in Crawford, Texas, praised the constitution as a milestone in Iraqi history, congratulating Iraqi leaders for “completing the next step in their transition from dictatorship to de-

mocracy.” Bush emphasized what he described as the charter’s protections for individual rights, and he tried to allay concerns about opposition from Sunni leaders.

“Some Sunnis have expressed reservations about various provisions of the constitution, and that’s their right as free individuals living in a free society,” Bush said. “There are strong beliefs among other Sunnis that this constitution is good for all Iraqis and that it adequately reflects compromises suitable to all groups.”

The Iraqi leaders, a group of mainly Shiite and Kurdish representatives, said they had decided to push ahead with the constitution after Sunni leaders submitted yet another list of demands. The American ambassador here, Zalmay Khalilzad, who had vigorously worked to bring the Sunnis into the deal, said he, too, had given up in frustration.

The Iraqi leaders entered the National Assembly chambers in the early afternoon, read the 39-page document aloud to the representatives and urged them go to out and persuade the people in their communities to vote for it in October.

Then the group, made up of about 40 of the most powerful Iraqi political leaders, drove across the fortified Green Zone to the palace of the Iraqi president, Jalal Talabani. In a ceremony held in the courtyard of Talabani’s sandstone palace, they declared the new constitution the embodiment of the Iraqi nation.

Yet only four Sunni Arab leaders attended the event, and all were long-time exiles who had only recently returned. There were some noticeable absences: Adnan Pachachi, the former Iraqi foreign minister; Ghazi Yawer, the former Iraqi president; and Ayad Allawi, the former prime minister and secular Shiite leader.

Talabani, though casting a mostly positive light on the day’s events, expressed frustration with the Sunni negotiating team, a group hastily brought into the drafting process by Iraqi and American officials following the Sunni boycott of the January elections.

The 15 Sunni representatives took such a tough approach to the negotiations that several Shiite and Kurdish leaders said privately that there was no deal they would agree to.

Striking Northwest Airlines Workers Question Decisions of Union Leaders

By Micheline Maynard
and Jeremy W. Peters
THE NEW YORK TIMES

DETROIT

Ten days into a strike against Northwest Airlines, signs of dissent are beginning to bubble up among mechanics union members on picket lines at airports around the country.

In a union known for lively debate, some members of the Aircraft Mechanics Fraternal Association, which struck Northwest on Aug. 20, are questioning the union leaders’ decision to call a strike without a vote on the airline’s final offer.

Other workers are voicing adamant support for the walkout. But even some of them are looking for other jobs, saying they cannot afford to be out of work.

The union’s 4,430 workers at Northwest are walking picket lines without pay, since AMFA does not have a strike fund. Their medical coverage from the airline runs out on Thursday, and none is available from the union. And in some states, they have no unemployment benefits. Northwest is using 1,900 substi-

tute workers, including replacement mechanics, contractors and supervisors.

On Sunday, Northwest said its operations had run relatively well over the weekend, although it had canceled 15 flights because of Hurricane Katrina. On Saturday, the airline said 28 percent of its flights were delayed 15 minutes or more; as of midafternoon Sunday, about 13 percent were delayed, airline officials said.

Northwest normally encounters delays involving 20 percent to 22 percent of its flights.

The airline’s last offer to the union called for \$176 billion in wage and benefit cuts, including the elimination of 2,000 jobs. It also would have provided for six months’ severance pay and medical coverage for those laid off.

“It’s absolutely ridiculous. I can’t believe they didn’t let us vote on it,” Jeff Doerr, who has been a mechanic at Northwest’s hub in Minneapolis for 15 years, said last week.

“I have 31 years of my life invested in my job,” said Richard S. Paterala, a lead technician at O’Hare

International Airport in Chicago. In an e-mail message, he said he was “furious” that he did not get to consider the airline’s offer.

But union leaders, including AMFA’s executive director, O.V. Delle-Femine, have said the airline’s final proposal was so unreasonable that the rank and file would surely have turned it down if they had a chance to vote on it.

On Sunday, Delle-Femine said he stood by his decision not to bring the offer to a vote. “We put out feelers on that,” he said, adding that only a small minority of union members thought the offer was worth voting on. “We would have been hung if we brought it out to ratify.”

Labor experts said this stance was justifiable. “No leadership will just present everything that a company offers,” said Herman Benson, founder of the Association for Union Democracy, a nonprofit trade organization that advises unions.

Nor would it send workers to picket lines without their approval, and 93 percent of AMFA members at Northwest voted in favor of a strike in July.

Army Demotes Critic Of Halliburton Contract

By Erik Eckholm

THE NEW YORK TIMES

A top Army contracting official who criticized a large, noncompetitive contract with the Halliburton Co. for work in Iraq was demoted Saturday for what the Army called poor job performance.

The official, Bunnatine H. Greenhouse, has worked in military procurement for 20 years and for the last several years had been the chief overseer of contracts at the Army Corps of Engineers, the agency that has managed much of the reconstruction work in Iraq.

The demotion removes her from the elite Senior Executive Service and reassigns her to a lesser job in the corps’ civil works division.

Greenhouse’s lawyer, Michael Kohn, called the action an “obvious reprisal” for the strong objections she raised in 2003 to a series of Corps decisions involving the Halliburton subsidiary Kellogg Brown & Root, which has garnered more than \$10 billion for work in Iraq.

Dick Cheney led Halliburton, which is based in Texas, before he became vice president.

Official of Defunct Fund Is Tied to Its Auditing Firm

By Gretchen Morgenson

THE NEW YORK TIMES

Investors who are worried about the fate of the money they turned over to the Bayou Group, a Connecticut firm that is under investigation by federal and state authorities, will not be happy to learn that there were close ties between the firm and the auditor of its hedge funds.

Public documents show that the chief financial officer and head of compliance for the Bayou Group was also a principal in an accounting firm that audited the hedge funds’ books.

Daniel E. Marino was the No. 2 man at Bayou, a hedge fund company founded in 1996 by Samuel Israel III that appeared to have \$411 million in assets at the end of last year. Marino is also listed as a registered agent at Richmond-Fairfield Associates, the accounting firm that signed off on the Bayou funds’ financial statements in 2004 and earlier. Such a dual role could cast doubt on the accuracy of Bayou’s financial statements.

Officials at the FBI, the U.S. attorney’s office and the Connecticut Banking Department are investigating Bayou, which announced that it was closing in July and that it would return all of its investors’ money in mid-August. Investors are still waiting for their funds, however, and Israel and Marino have stopped communicating with them. It is feared that the fund company, which is based in Stamford, Conn., has collapsed.

Israel did not return phone calls seeking comment and Marino could not be reached. A call to the office of Richmond-Fairfield last Friday was not returned. Marino’s affiliation with Richmond-Fairfield was first reported by *The Wall Street Journal* in its online edition.

Missed Church? No Worries. Download It to Your iPod.

By Tania Ralli

THE NEW YORK TIMES

Kyle Lewis, 25, missed going to church one Sunday last month. But he did not miss the sermon.

Lewis, who regularly attends services of the National Community Church in Alexandria, Va., listened to the sermon while he was at the gym, through a recording he had downloaded to his iPod. Instead of listening to the rock music his gym usually plays, he heard his pastor’s voice.

“Having an iPod is a guaranteed way to get the sermon if you’re going to be out of town,” Lewis said, adding that he listens to the pastor’s podcast at least once more during the week, usually while driving to work, even during weeks he makes it to services.

Lewis’ pastor, the Rev. Mark Batterson, started podcasting, or “god-casting” as he prefers to call it, last month to spread the word about his congregation. The hourlong recordings of his weekly service, available on <http://theaterchurch.com/>, have already brought new parishioners to his church, he said.

“I can’t possibly have a conversation with everyone each Sunday. But this builds toward a digital discipleship,” he said. “We’re orthodox in belief but unorthodox in practice.”

Just as Christian organizations embraced radio and television, podcasting has quickly caught on with religious groups. Since the beginning of July, the number of people or groups offering spiritual and religious podcasts listed on Podcast Alley (<http://podcastalley.com/>) has grown to 474 from 177.

European Trade Commissioner Pledges to End Quota Dispute

By Thomas Fuller

THE NEW YORK TIMES

PARIS

Peter Mandelson, the European trade commissioner, sought to quiet a dispute over Chinese textile imports on Sunday, promising to release within a month the 80 million Chinese-made sweaters, trousers and bras that are held up in European ports.

But the sheer volume of the disputed clothing and possible opposition by some European governments could threaten to unravel Mandelson’s plan.

Sunday’s comments were the first time that Mandelson, who has come under sharp criticism from European retailers and importers, had offered a timetable for a resolution to the ineffective quota system that he negotiated with China in June. Among the clothing blocked in European ports are 47.7 million sweaters, or more than one for every 10 citizens of the European Union.

Mandelson’s pledge to end the dispute said little about a team of European negotiators in Beijing who are scheduled for a fifth day of talks on Monday on how to loosen the quota system. He repeated on Sunday that the system had a “glitch.”

“I wasn’t responsible for creating that glitch,” Mandelson said on BBC television. “I am, however, taking responsibility for solving it.”

OPINION



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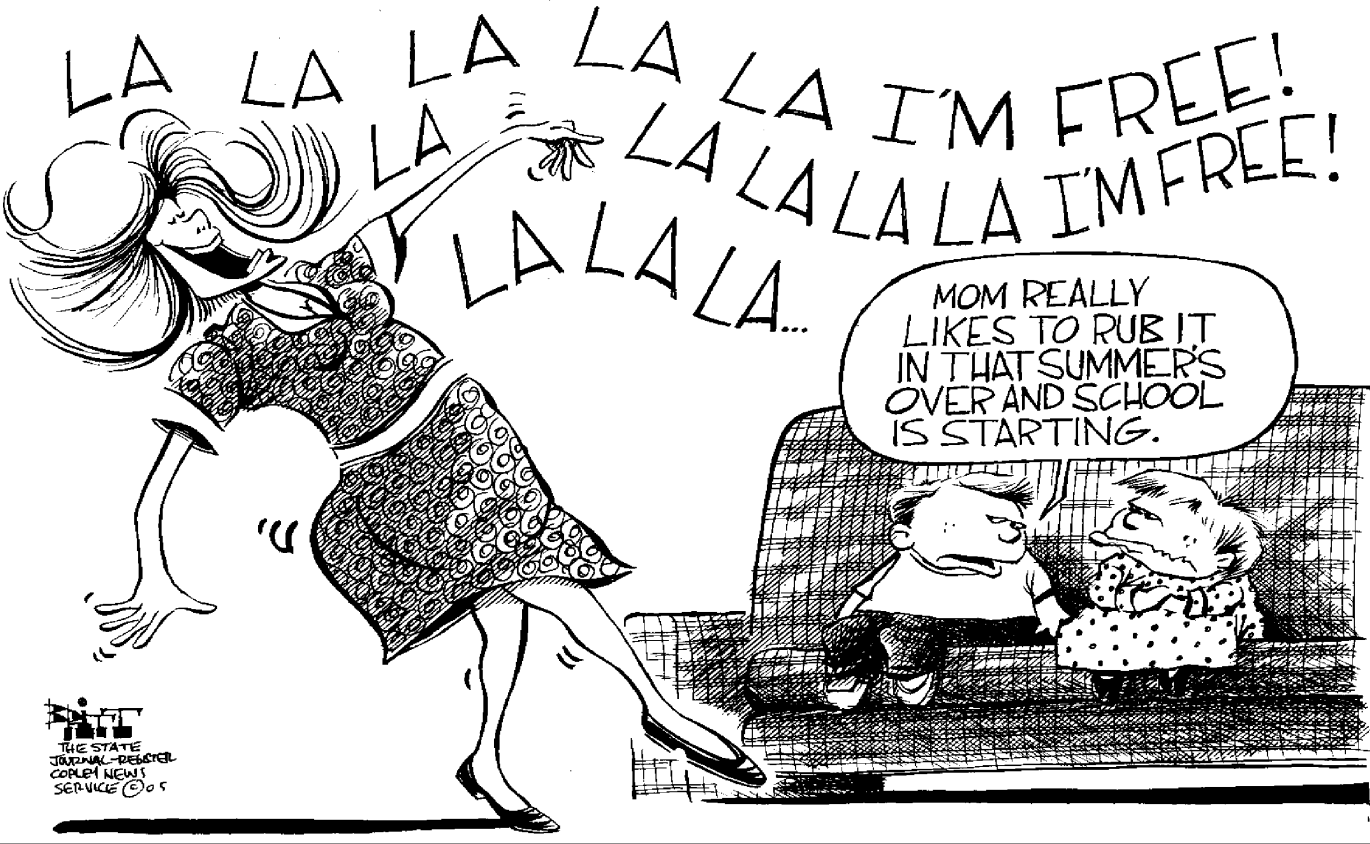
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The Peril of America's Nuclear Policies

Ali Wyne

In a recent interview, President Bush warned that if Iran did not cease its efforts to construct a nuclear weapon, the United States would consider using armed force to thwart them. While the international community generally shares the Bush administration's view that Iran's recent efforts are unwelcome, it does not look intent on arresting them. Indeed, it appears to have arrived at a consensus that America possesses neither the political,

The U.S. currently spends 12 times more on efforts to construct nuclear weapons than it does on efforts to prevent their spread.

nor, more importantly, the moral legitimacy to reproach Iran for establishing a nuclear program.

President Bush has properly argued that the most critical threat facing this country's security "lies at the crossroads of radicalism and technology," and that strengthening the nuclear nonproliferation regime is of paramount importance. Unfortunately, however, the policies of his administration have undercut the broad framework of treaties and protocols which collectively constitute this regime.

Since he took office in January 2001, the United States has withdrawn from the 1972 Anti-Ballistic Missile Treaty and declined to ratify the Comprehensive Test Ban Treaty. Neither of these protocols elicits mention in 2002's National Strategy to Combat Weapons of Mass Destruction, which asserts that the United States should only "ensure [the international community's] compliance with relevant international agreements." The Bush administration is misguided if it believes that agreements such as those mentioned above are antiquated or irrelevant. Whatever deficiencies they may suffer, they anchor the nuclear nonproliferation regime. Abandoning such agreements implicitly sanctions

others, be they allies or nemeses, to renege on their commitments to uphold it, thereby compounding the very threats that we seek to avert.

At present, the United States maintains a stockpile of 10,300 nuclear weapons, second only to Russia, which maintains 16,000. (It should be noted that, in between 2002 and 2005, Russia has dismantled and destroyed approximately 4,000 of its weapons; the United States, by contrast, has eliminated 400.) Furthermore, it currently spends 12 times more on efforts to construct nuclear weapons than it does on efforts to prevent their spread. While the scale of the United States' nuclear program is troubling, of greater concern are its current initiatives.

The Bush administration is allocating \$485 million to the Department of Energy to research what is known as a "robust nuclear Earth penetrator" (RNEP) — commonly known as a "bunker buster." Such a weapon, if properly deployed, would burrow itself several meters underground, detonating only upon making contact with the weapons storage facility or facilities in consideration. However, laboratory studies reveal that, in addition to producing immense radioactive fallout, deploying bunker busters would entail calamitous ramifications for civilians. The Union of Concerned Scientists issued the following assessment:

The high yield RNEP will produce tremendous fallout that will drift for more than a thousand miles downwind ... A simulation of RNEP used against the Esfahan nuclear facility in Iran, using the software developed for the Pentagon, showed that three million people would be killed by radiation within two weeks of the explosion, and 35 million people in Afghanistan, Pakistan and India would be exposed to increased levels of cancer-causing radiation.

To cite another, less-publicized example, the United States also seeks to construct a "modern pit facility," — at a cost of \$2 to \$4 billion — which would annually yield between 125 and 450 plutonium pits. (According to the Carolina Peace Resource Center, a plutonium pit "is a steel encased hollow ball of plutonium surrounded by explosives that acts as a trigger for a nuclear detonation.")

It should be noted that, accounting for all storage facilities across the country, there are already a minimum of 5,000 such pits in existence.

While I could enumerate other such examples here, doing so is unnecessary. (The Natural Resources Defense Council's April 2004 report, *Weaponers of Waste*, available at <http://www.nrdc.org/nuclear/weaponers/weaponers.pdf>, documents such examples.) What is reasonable, however, is to ask if these efforts to construct a formidable nuclear apparatus are disparate or, rather, part of a more coordinated policy. At the least, they are firmly grounded in the grand strategies that influenced the United States' foreign policies after World War II. In particular, they implement the recommendation of National Security Memorandum 7 (March 30, 1948), which argued that the United States must maintain "overwhelming nuclear supremacy." It is difficult to conceive of a geopolitical environment in which the pursuit of this objective would afford the United States greater security.

The May 2005 Nuclear Non-Proliferation Treaty Review Conference affirmed this point, with the 188 participants failing to achieve much, if any, substantive progress. Doctor Mohamed ElBaradei, director of the International Atomic Energy Agency, rendered a more pointed judgment, stating that the proceedings accomplished "absolutely nothing." The harshest criticism was directed toward the Western powers, and, in particular, the United States, for concurrently advancing its nuclear weapons program and censuring others for doing the same. Even traditional allies expressed displeasure with our posture. Canada's chief representative, Paul Meyer, remarked that "If governments simply ignore or discard commitments whenever they prove inconvenient, we will never be able to build an edifice of international cooperation and confidence in the security realm."

To single out the United States for criticism is unfair, and ignorant of the ways in which other states have undermined the nuclear nonproliferation regime. To wholly absolve it of fault, however, would appear to be unwise, in light of its current pursuits. Indeed, if we desire that emerging nuclear states discontinue their activities, we would be prudent to examine our own.

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ARTS

MOVIE REVIEW ★★★1/2

Life-Affirming 'Murderball' Inspires

Sports Documentary Ranks Among Summer's Best Films

By Kapil Amarnath

Murderball
Directed by Henry Alex Rubin and Dana Adam Shapiro
Starring Keith Cavill, Joe Soares, and Mark Zupan
Rated R

As I settled in for "Murderball," I noticed that there were only four people in the theater: me, a friend of mine, and an elderly couple. When the credits rolled, I wondered how countless people could toss money in the coffers of "Fantastic Four," while missing out on this film. "Murderball" is uplifting and informative, befitting of the Audience Award it won at Sundance.

"Murderball," the original name of quadriplegic rugby, was invented in Canada in 1979. The film is a documentary that explains why, as <http://quadrugby.com/> declares, it's "the fastest growing wheelchair sport in the world." The movie excels most when it relates the lives of its players to ours through familiar activities. Moreover, it gracefully portrays the impact of the sport on the journey quadriplegics travel, from coping with their condition to parenthood.

Keith Cavill lost the use of his legs in a Motocross accident in 2003. He shares a rapport with those who take care of him and who share his situation, regardless of race or background. At home, however, he's constantly reminded of his injury. When he goes to an information session on quadriplegic rugby, and tries one of the "Mad Max" wheelchairs, a spark returns to his eyes.

That enthusiasm for the sport has turned into a fierce intensity in Mark Zupan. His desire to excel and prove others wrong is a characteristic the players develop after their injuries. Underneath that passion, many of them, for better or worse, are Jack Daniels drinkers, tattoo-covered jocks that just want to have a little fun with their girlfriends. Zupan's situation is further complicated because his best friend, Chris Igoe, unknowingly caused his paralysis 10 years ago.

In Joe Soares, however, the intensity for the sport has mushroomed into an obsession that clouds his judgment. He feels so slighted after being cut from the U.S. team that he decides to coach Canada, earning the moniker "Benedict Arnold" from his former teammates. To his chagrin, his coaching approach does not apply to his son Robert, whom he wishes could take the form of one of his players. The energy and commitment he gives to murderball bends him to his breaking point.

These human dramas are book-ended by two games in which the U.S. plays Canada. Directors Henry Alex Rubin and Dana Adam Shapiro capture the rowdy atmosphere that rivals that of a college basketball game, but the actual game footage does not allow the audience to feel like part of the action. First of all, it's mainly shot at wheelchair level. This choice, though consistent with the rest of the film, does not allow plays to develop. A camera above the action would have helped. Furthermore, the footage contains a lot of quick-cutting and unnecessary slow-mo score-changing.

Despite being relative newcomers, Rubin and Shapiro handle this material evenhandedly by using close-ups sparingly, thus avoiding sentimentality. The camera constantly stays at wheelchair height serving a window into these lives, content to marvel at the resourcefulness of the players. It even goes as low as ground level, to show these men as the monuments of human adaptability that they are.



MTV AND THINKFILM

Mark Zupan glares at an opponent while playing murderball.

Since Michael Moore's "Bowling for Columbine," documentaries have become more commonplace in multiplexes, as people learn of the potential these films have to inform. "Murderball" taps into that potential to make a great film on a little-known aspect of the human condition.

"Murderball" is playing at Coolidge Corner Theatre in Brookline.

MOVIE REVIEW ★1/2

Aristocratic Vulgarity Worth Missing

By Kathy Lin

CONTRIBUTING EDITOR

The Aristocrats
Directed by Paul Provenza
Created by Penn Jillette and Paul Provenza
Starring Chris Albrecht, Hank Azaria, Lewis Black, Drew Carey, George Carlin, Phyllis Diller, Frank DiGiacomo, Carrie Fisher, Whoopi Goldberg, Eddie Gorodetsky, Eric Idle, Eddie Izzard, Richard Lewis, Bill Maher, "The Onion" Staff, Trey Parker, Paul Provenza, Penn & Teller, Rita Rudner, T. Sean Shannon, Sarah Silverman, Matt Stone, and many more.
Not Rated

When I left to use the restroom, I wondered if the rest of the primarily male audience thought I was leaving in disgust. But I returned for the rest of the movie, alternately laughing at the vulgarity and cringing at the idea that it would elicit my laughter.

"The Aristocrats" features Hollywood notables delivering and analyzing what co-creator Penn Jillette touts as "the dirtiest joke you will ever hear." And with the rabid incest, bestiality, child rape, and bodily fluids (and solids), hopefully it is.

The joke admittedly grows on the viewer, and initial feelings of repulsion evolve (or devolve?) into reasonable enjoyment. But beyond a few humorously ridiculous setups and exaggerated simulations, the enjoyment stems primarily from the sheer crudeness of what meets the ears and eyes; the joke — too vulgar to repeat in any form here — isn't even funny.

"Aristocrats" is, in the end, mostly just a chance for the stars to venture into far riskier territory than has previously hit big screens in wide release, and for us the viewers to gawk at it.

Unless you feel a hankering for extended stories of slipping and sliding in human waste, this one is worth skipping.

MOVIE REVIEW ★★1/2

'American Pie' for Adults: Cheap Laughs Reign in '40 Year-Old Virgin'

By Yong-yi Zhu

STAFF WRITER

The 40 Year-Old Virgin
Directed by Judd Apatow
Written by Judd Apatow and Steve Carell
Starring Steve Carell, Catherine Keener, Paul Rudd, Seth Rogen, and Romany Malco
Rated R

What is the most effective way for a guy to get laid? "The 40 Year-Old Virgin" investigates this at a level never before seen in a motion picture, all for the sake of helping a man experience sex.

Andy Stitzer (Steve Carell) is the consummate dork who collects action figures, bikes to work, and stays far away from women. Without any friends, there's no one to tell him what he's missing. But when Andy admits to his co-workers (Paul Rudd, Romany Malco, and Seth Rogen) that he is still a virgin, they begin their attempts to rectify the situation.

We watch Andy endure much discomfort throughout the lengthy quest, ranging from being thrown up on by a drunken date to having his chest hair removed bit by bit. (That scene wasn't just acting; the director thought a genuine reaction from Carell would be funnier.)

Steve Carell is convincing as the ultimate dork, conveying a genuine and innocent level of idiocy throughout.

Beyond that, though, the movie is not about the acting. Thankfully, the generally artificial scenes and outrageously unbelievable characters are not noticed much because the movie makes you laugh so hard that you can barely put more popcorn in your mouth.

This movie amuses and entertains for two hours. Just expect to be offended, though; "Virgin" has all the crudity of "American Pie," but at an adult level. The film ignores clever comedy and simply repeatedly punches the audience with in-your-face humor. Somewhere between demeaning women and making fun of animals, everyone will feel it.

When that happens, though, just remind yourself: at least you're not a 40-year-old virgin.



UNIVERSAL PICTURES

Andy Stitzer (Steve Carell) finally finds the right woman (Catherine Keener).

ARTS

MOVIE REVIEW ★★

Flowers Aren't All That's Broken

Latest Bill Murray Film Fails to Meet Expectations

By Kelley Rivoire
EDITOR IN CHIEF
Broken Flowers
Directed and written by Jim Jarmusch
Starring Bill Murray, Jeffrey Wright,
Sharon Stone, Frances Conroy, Tilda Swinton,
and Jessica Lange
Rated R

Don't believe the hoards of "Broken Flowers" reviews that herald it as deep and eloquent. Hollywood reviewers have apparently tired of the summer crop of insipid, slapstick comedies and special effect-laden action films, instead vaunting the vaguely intelligent, upper-crust humor of movies like "Broken Flowers." But just because a movie feigns intelligence doesn't mean it actually says anything. "Broken Flowers" chronicles an episode in the life of a modern-day Don Juan, Don Johnston (Bill Murray). A middle-aged man with a younger live-in girlfriend, Don lacks both the personal fulfillment of his family man next-door neighbor Winston (Jeffrey Wright) and the wardrobe variety. The day his girlfriend (Julie Delpy) leaves him, an unsigned, typed letter in a pink envelope appears in his mail: one of his relationships 20 years ago apparently yielded a son, whom the unknown mother suggests might be trying to find his father. Puzzled, Johnston shows the letter to Winston, who has an unusual penchant for solving mysteries. Winston concocts a detailed sched-

ule for Don in which Don embarks on a cross-country journey to visit four former girlfriends and hopefully, find the anonymous mother. Don's first target is Laura (Sharon Stone), whose race car driver husband died on the job, leaving her alone to support herself and her rather aptly-named, exhibitionist teenage daughter Lolita. Don leaves their small home without a solution to his mystery, but not without making good on his Don Juan moniker. Next comes Dora (Frances Conroy), clearly uncomfortable around Don (is she the mother?); they share an awkward meal with the couple at her husband's behest. Third is Carmen (Jessica Lange), an "animal communicator," apparently now more interested in her female assistant (Chloe Sevigny) than in men. Finally, Don visits Penny (Tilda Swinton), who's clearly not

thrilled to see him, and whose trailer park friends leave Don with a few injuries. Finally, Don visits the grave site of the fifth girlfriend and heads back home. Murray plays Johnston in a deadpan, minimalist style that's different from that of almost any other actor, but trademark Bill Murray. Though entertaining, his acting and an equally abrupt plot aren't sufficient to override the disconcerting lack of substance. Perhaps there's a point to the mind-numbing repetitiveness of seeing each of Johnston's airplane flights and watching him drive each rental car to the tune of a CD from Winston, but it was certainly lost on me. The supporting actresses who play Don's former girlfriends perform admirably, as does Wright, who elicits quite a few laughs, but it doesn't matter much when their roles mean so little. "Broken Flowers" clearly tries to appeal to a higher class of moviegoers, one of the art for art's sake mantra. The sleek stylishness of the movie is undebatable, but the lack of a convincing plot, and, more importantly, a point, means that those two hours of your life are better spent elsewhere.



Don Johnston (Bill Murray) shares a meal with former flame Laura (Sharon Stone) and her daughter Lolita (Alexis Dziena).

MOVIE REVIEW ★★★

See Ralph Run with Guiltless Good Feelings

By W. Victoria Lee
STAFF WRITER
Saint Ralph
Written and directed by Michael McGowan
Starring Adam Butcher, Campbell Scott, Shauna MacDonald,
Tamara Hope, Gordon Pinsent, and Je Tilly
Rated PG-13

It can be incredibly easy, or incredibly hard to judge a movie like "Saint Ralph." You can take the cynical route and call it inundated with treacle and saccharine sentiments. On the other hand, you can give into your sweet tooth and call it heartwarming and moving. To fairly evaluate a movie with a plot as predictable as that of "Saint Ralph," you must take the higher road and abstain from succumbing to either blind exaltation or vituperative criticism.



Ralph (Adam Butcher) takes a short break from training for the Boston Marathon in "Saint Ralph."

"Saint Ralph" is Canadian writer-director Michael McGowan's second feature film; the title of his first, "My Dog Vincent," makes it hard to imagine that he entered the movie business with a bang. But it is not a given that his second film should be so easily dismissed. Set in the post-World War II Canadian town of Hamilton, the movie tells the story of Ralph Walker, a typical, pubescent 14-year-old desperately seeking a miracle to awaken his comatose mother. When a teacher casually mentions that a student winning the Boston Marathon would be a miracle, Ralph takes him literally, and the rest of the plot is self-explanatory. This movie has all the ingredients of a mawkish flop: an obviously flawed protagonist with unforeseen potential, an impossible task, a romantic interest, an authoritative antagonist to add hurdles along the way, and an unexpected helping hand with a secret of his own. With the right condiments of background music, photographic angles, and one-line clichés, this movie could easily have become the carbon copy of countless "family" films that only manage to captivate the very young or the very old. Fortunately, McGowan eschews the typical seasonings and

cooks the mundane story with speckles of wry humor. The result is an unexpectedly good flavor that not only indulges the soft spots but also manages to tickle the funny bones. Set against a Catholic community and in a Catholic preparatory school teeming with stoic priests as educators, the film is full of religious-themed hilarities and occasional absurdities. Although the wit helps alleviate the usual sentimentality that so often plagues movies like "Saint Ralph," ultimately the performance of Adam Butcher as Ralph Walker saves the film from falling into the abyss of schmaltziness. The up-and-coming Canadian young actor plays the 14-year-old main character with unflinching honesty, complete with unabashed hormonal rush and quixotically youthful valor. His portrayal of Ralph's naïveté is not without occasional gawkiness. But it is this inelegance that makes Ralph a fully-believable character. In fact, much of the film is devoted to Ralph the kid, rather than his quest to win the Boston Marathon. McGowan uses the pursuit of a "miracle" as a vehicle to unroll and deliver the 14-year-old's character. There is something captivating about Ralph's stubbornness, one-directionality, and ingenuousness. At the end of the film, you can feel inspired or moved, not because the story allows you to wallow in sentiments, but because you've never met a character like Ralph on screen, so brazenly simple that he is endearing. Some of the supporting cast members also provide considerable presence on screen: notably Jennifer Tilly as the Nurse who tends to Ralph's comatose mother, Campbell Scott as Father Hibert who trains Ralph, and Tamara Hope, who is determined to be a nun, as Ralph's love interest. In Tilly's unorthodox character, Ralph finds an unlikely ally. Hope brings another female figure to counterbalance the largely male cast, and in her well-intended but entirely inaccurate ways to help Ralph pray, much hilarity ensues. Scott's role is naturally both fatherly and Fatherly, but his portrayal is relatively constrained by the sentimentality that often accompanies the mentor character. Nonetheless, a movie with a premise like that of Saint Ralph can try with little hope to completely sever ties with the "cute little film" genre. When God appears as Santa Claus, and marathon training can be completed in a few months, we are not talking about Academy Award material. But Mc-

Gowan's handling of "Saint Ralph" should not go unapplauded. He renders serious scenes with lightheartedness that leaves them funny on the surface, but quietly powerful underneath. In a scene in a hospital, Ralph makes his mother smell flowers and dog droppings, believing that familiar smells can waken coma patients. When Hope's character enters, the situation turns comical, but in the process Ralph's emotional state is delicately conveyed without an exaggerated outward display of pain. More impressive is the lack of a dramatic denouement. Although the ending falls within the usual expectations, the concluding scenes have a surprising subtlety, leaving none of the sweet aftertaste. The Canadian Screenwriting Award and Paris Film Festival Award the movie earned are well-deserved. Ultimately a good-feeling movie with offbeat humor, and commendable writing and acting, "Saint Ralph" proves to be above the typical sentimental movie. In an age in which the general audience has a strange penchant for vacuous comedies or depressing realisms, there is no harm in spoiling the mood with guiltless good feelings.

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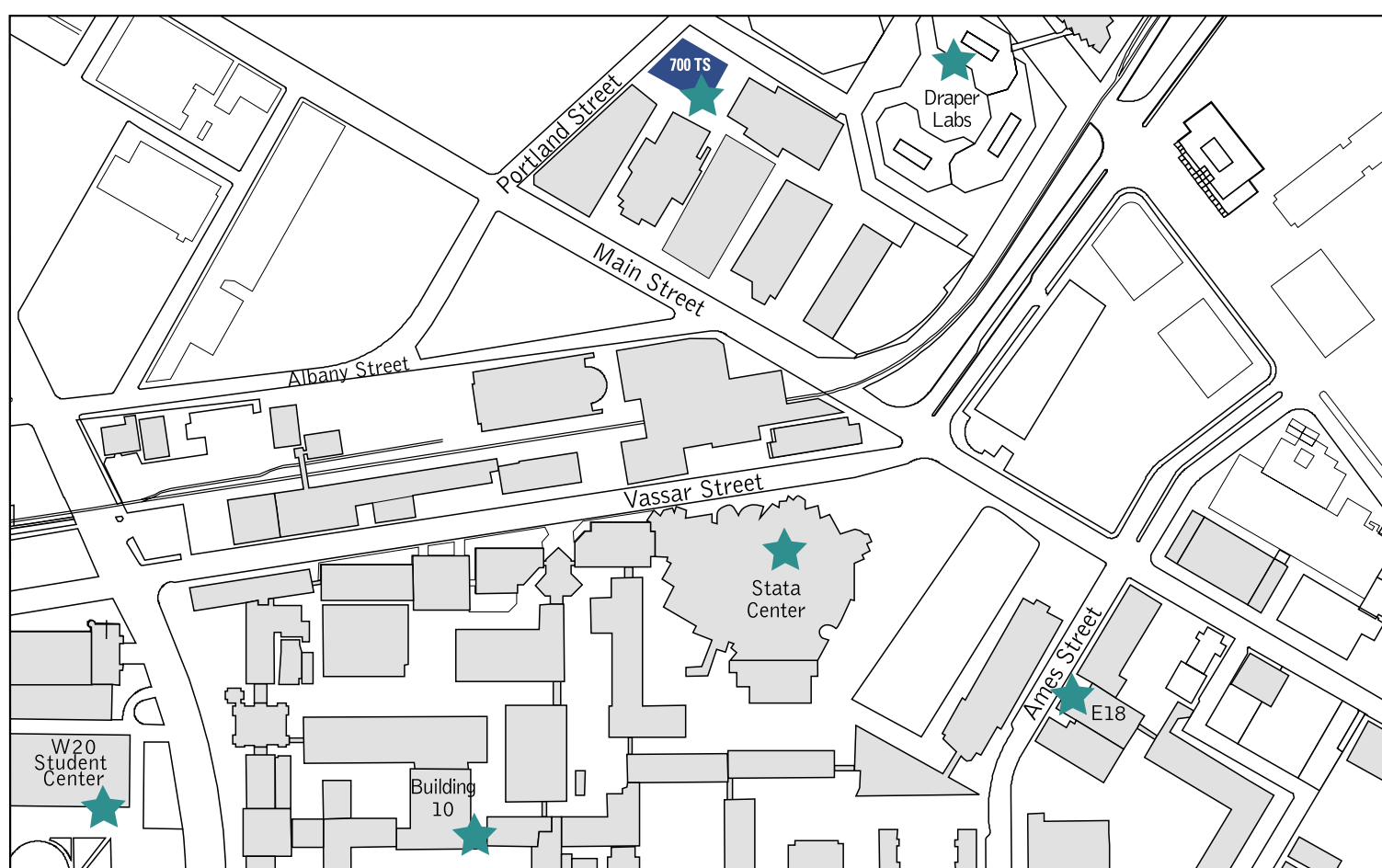
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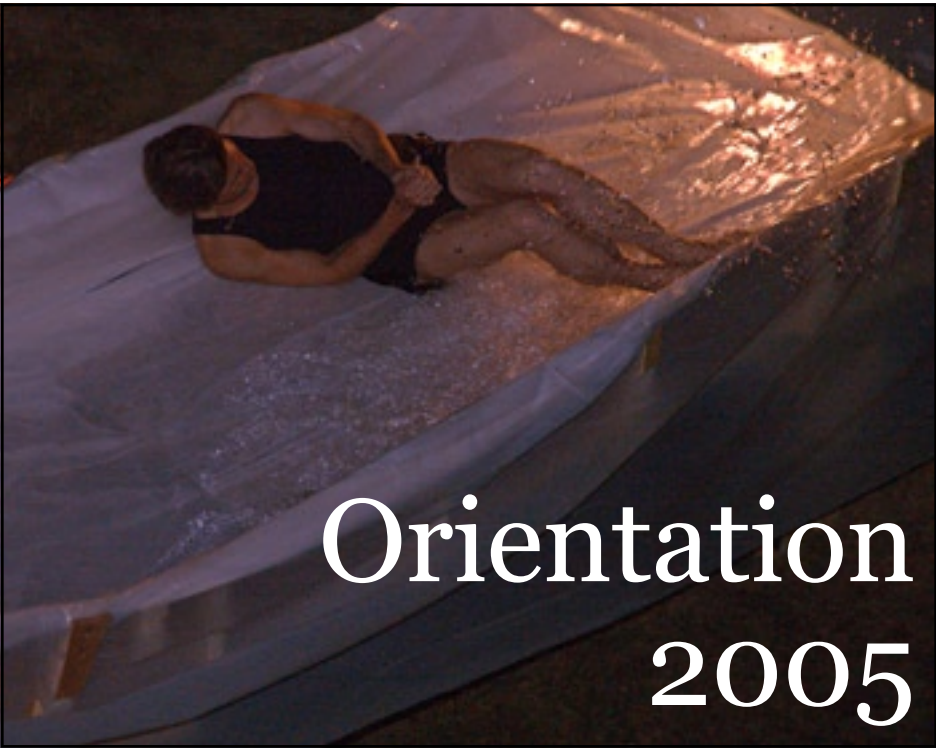
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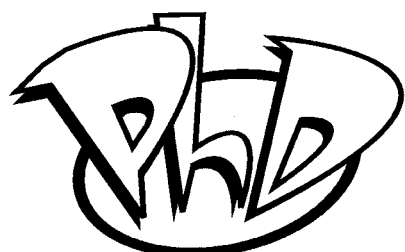
Counterclockwise from above:
Orientation leaders tie-dyed T-shirts on Friday, Aug. 26 to use during their training the following day.
New House Housemaster Wesley L. Harris delivers some meat to be fed to the ever-ravenous freshmen.
Schuyler Senft-Grupp '06 (front) and Scott D. Torborg '07 fill the East Campus lazy river with thousands of gallons of water.
East Campus Housemaster Julian Wheatley tries out the EC water slide, bringing the slide's testing stage to a close.
Adam A. Miller '08 cooks hamburgers for the freshmen in the Arts Pre-Orientation Program on Saturday, Aug. 28.

Photography by Omari Stephens

Trio

The TRIO website: ALUM.MIT.EDU/WWW/EMIE

by Emezie Okorafor



KRT Crossword

Solution, page 12

Bonus Crossword

Solution, page 14

FoxTrot

by Bill Amend

Dilbert®

by Scott Adams

Shipping in Thousands of Smiles, A Man in Haymarket Stakes Out His Own Place in Boston Culture

Haymarket, from Page 1

eyes and evoking the attention of passersby. Upon the umbrella are pinned hundreds more identical smiles — two dotted eyes below which rests a long, narrow curve. The black outline comes on buttons of all different sizes and colors: yellow, red, blue, and green. At the turn of a back switch, the eyes of the smallest buttons flash red.

“They last forty-eight hours,” he tells the intermingled Bostonians and tourists. “Come back if you have a problem.”

Cherander, a vendor in Quincy Market from 1978 to 1992, first got the idea for his small business back in 1970. He was the first person to sell smiley buttons in downtown Boston, on Boylston Street where there used to be two lines across from the Copley Square public library. Over the years, he also sold many other souvenirs: stuffed animals, stuffed aliens, portraits, old newspaper collectibles, and picture frames. This summer, for the first time in more than thirty years, he is again marketing smiles.

Cherander buys three thousand buttons at a time from London for the price of 63 cents each and sells them here for two dollars. Every day this summer and possibly into the fall and winter, Cherander wakes up at seven in the morning and arrives at Haymarket Square at

nine to begin a day’s work selling buttons and entertaining customers. In spite of the vendor’s tag strung visibly onto his umbrella, on some days, a noisy policeman comes and tries to force him away from Haymarket. “It is terrible in the city of Boston to have policemen driving away people who sell smiley buttons ... I’m just trying to make people happy,” he says.

The buttons have come back into fashion. Commenting on the

“It is terrible in the city of Boston to have policemen driving away people who sell smiley buttons,” says Irving Cherander. “I’m just trying to make people happy.”

fast-paced world, the pressures of the war in Iraq, and memories of 9/11, he says that the blissful grin of the yellow smiley face seems to have the ability reaffirm hope in Bostonians. In the same way that a white dress represents virginity or the North Star a direction, the smiley face trademarks a universal expression of happiness.

These smiley buttons are night

items, Cherander says, as he carefully blocks the July sun to show a tourist the flashing red eyes of a yellow smiley. His sales are best after dark, when passersby surround him to form a small crowd, eager to see the man with 10 sets of twinkling eyes on either side of his jacket and the outlines of an oversized umbrella traced by flashes of light.

Cherander reminds us that smileys were not around all the time. They were first designed in 1970 by a graphic artist named Harvey Ball who worked for State Mutual Life Assurance of Worcester, Massachusetts. In the early 1960s, State Mutual asked Ball to reestablish company morale. Ball responded by designing a happy face against a yellow background, which he first used on letterheads and stationary. Cherander says he made them yellow because “you smile when the sun is out.”

Although Ball’s idea was well-received, he never thought to copyright his design and only received \$45 in payment from the insurance company. The French entrepreneur Franklin Loufrani picked up the design, copyrighting and patenting it in the process. Thus the smiley spread around the world, bestowing on its patent owner millions of dollars.

In the same way that Cherander never held a grudge against his forced evictions from vendor grounds, in his obituary, Ball’s children say Ball was never bitter about the millions he missed in life. Through the generosity of these men, the smiley lives on, destined to stir the hearts and faces of generations to come.



OMARI STEPHENS—THE TECH
James J. Koschella '78 practices his bounce juggling in lobby 10 on Sunday evening, Aug. 28. During the year, the MIT Student Juggling Club meets on Fridays from 5 to 7 p.m.

MIT Cryogenic Engineering Laboratory Makes a New Type of Ice Cream that Goes ‘Whoof’ On Your Tongue

By Jeffrey Krasner
THE BOSTON GLOBE

Like many great scientific discoveries, Teresa Baker’s breakthrough in MIT’s grimy Cryogenic Engineering Laboratory last October was punctuated by a memorable exclamation of victory. She raced upstairs from the first-floor lab and announced to her fellow graduate students: “I made ice cream, come down and eat it!”

Baker’s work involves liquid carbon dioxide, bulky stainless steel cylinders, heat exchangers, and vanilla ice cream mix, and it may change the way ice cream is made in the \$20 billion-a-year industry. For consumers, the novel device could popularize a new type of frozen dessert that combines the chill of ice cream with the explosive fizz of soda pop.

“It’s not ice cream in the usual sense,” said John G. Brisson, an associate professor of mechanical engineering at the Massachusetts Institute of Technology. “It has a carbonated bite, and it just kind of goes ‘whoof’ on your tongue.”

Already, Brisson and professor Joseph L. Smith Jr., who both collaborated with Baker, have met with officials from several large ice cream companies — they won’t say which ones — to demonstrate their technique. They hope to commercialize the apparatus, possibly with a partner. Their product does not yet have a name.

Jerry Dryer, president of Dairy & Food Market Analyst, a consulting firm in Delray Beach, Fla., said the dessert produced at MIT could

take a bite out of the 21.5 quarts of ice cream consumed annually by the average American.

“This product is exciting,” he said. “The effervescence is unique. People are always looking for a new flavor, a new texture, a new mouth sensation. I’d think it would have pretty good commercial potential.”

Brisson and Smith conceived their confection contraption several years ago after a dairy industry executive

Ice cream or quiescently frozen confection? MIT engineers have made a new, fizzy concoction that’s frozen using liquid carbon dioxide, putting a new flavor to traditional cryogenic research.

told them, “We’d love to see a better way to make ice cream.”

“We got to talking about it, and we thought, ‘This just might work,’” said Smith, who has headed the cryogenics lab since 1964. Their invention stands alongside other MIT breakthroughs that include the development of microwave radar, the first living cell with man-made genes, the first atom laser, and the hologram that appears on many credit cards.

The two won \$50,000 in funding from the Deshpande Center for Technological Innovation, an MIT program that funds early-stage emerging technologies, and began searching for a graduate student to lead the effort. That was no easy task, since the cryogenics program usually at-

tracts fewer than five graduate students each semester. But along came Baker, a 24-year-old from Burbank, Calif., who had spent a year working at NASA’s Jet Propulsion Laboratory in Pasadena, Calif. She was seeking a project involving thermodynamics, the science of converting heat into other forms of energy, which is exactly what happens when liquid ice cream mix solidifies.

The cryogenics laboratory is just steps from MIT’s new Stata Center, the showplace designed by Frank Gehry that looks more like modern art than a building. The lab evokes an earlier age of engineering. Located in a drab 1923 building that originally was a laundry, it is crowded with lathes, drill presses, spouted oil cans, and ominous circuit breakers. Light filters through ancient Venetian blinds. In a back room, a mechanical helium liquefier chugs away, generating the syncopated puffing of a steam locomotive.

Nearby, the ice cream maker hangs from a platform. Stainless steel tubing snakes from two flasks; one contains liquid carbon dioxide, the other is filled with ice cream mix, a concoction of milk, cream, sugar, nonfat milk solids, and chemicals. The tubes pass through a picnic cooler filled with ice water, then through several valves and gauges before emptying into a solid steel cylinder held together with giant bolts. The nozzle controlling the flow of ice cream mix is the same as those that regulate the flow of heating oil into a furnace.

As Baker opened valves, high-pressure liquid carbon dioxide rushed through the tubing. It met the ice cream mix in a small steel chamber and the combination sprayed downward into the collecting cylinder with

a soft hiss. There, the carbon dioxide expanded to a gas, instantly chilling to minus 40 degrees Fahrenheit. The droplets of ice cream mix solidify into tiny flakes, each about 30 microns across, smaller than the diameter of a fine hair.

After about three minutes, Baker and Brisson grabbed huge wrenches to undo the collecting chamber’s bolts. Inside was a soup can filled with fine white powder. Cups and spoons were distributed and the sampling of the vanilla product began.

The powder is dry, extremely cold, and melts instantly in the mouth, releasing carbon dioxide vapor so quickly that the gas travels up the taster’s nose, producing an unexpected but pleasant rush.

“It’s like fresh fallen snow,” said Baker, “but it definitely gets sharp.”

It is not the kind of work normally done in the lab. Smith has experimented with magnetic refrigerators, which can super-chill objects by fluctuating the magnetic fields. Brisson has explored the world of ultra-low temperatures, between absolute zero and 1 Kelvin, at which superconductivity and other extraordinary phenomena occur.

But ice cream takes the cake.

“Of all the stuff I’ve done, this is the most fun,” said Brisson, who grew up eating the black raspberry ice cream at the old Cranberry Cove ice cream shop in Eastham.

The new method is also a long way from traditional ice cream manufacturing. In dairy factories, liquid ice cream mix flows into a chilled pipe and begins to freeze. Scrapers grab ice crystals and mix them into the liquid. Beaters mix air into the finished product to make it fluffier. The entire process takes about 30 seconds, after which the semi-soft product is ready

for mix-ins or packaging.

The method hasn’t changed much since the 1920s, said Bob Roberts, associate professor of food science at Pennsylvania State University.

But Roberts said the new method raises questions, including whether the product is actually ice cream. According to the government’s Code of Federal Regulations, “Ice cream is a food produced by freezing, while stirring, a pasteurized mix.” MIT’s concoction might not pass muster, he said, and could get tagged instead as a “quiescently frozen confection.”

But the cryogenics crew is not worried. Its next step is to build a more sophisticated device that could continuously blast out frozen dessert while enabling the operator to control its effervescence and flake size. Brisson also estimates that the carbon dioxide method could cut the energy used to make frozen desserts by as much as 40 percent. If the technique catches on, he and Smith would share in any royalties.

Smith said the frozen dessert apparatus illustrates why after more than half a century, he still loves working in the run-down lab.

“It’s wonderful to do things that are new and different and to under-

Solution to KRT Crossword from page 10												
L	A	N	C	E	I	G	O	R	G	I	L	A
O	N	I	O	N	T	U	N	E	E	C	O	L
C	O	C	O	C	H	A	N	E	L	R	E	S
O	N	O	E	L	S	A	B	A	S	E		
T	O	M	M	Y	H	I	L	F	I	G	E	R
A	B	I	D	E	S	O	D	O	R	L	E	S
M	I	N	E	O	E	T	A	L				
B	O	E	R	W	A	R	H	A	T	E	F	U
A	L	L	O	C	A	T	E	E	M	I	L	E
G	I	O	R	G	I	O	A	R	M	A	N	I
A	L	O	E	S	R	O	M	G	P	A		
T	I	K	I		D	O	N	N	A	K	A	R
H	E	A	D	O	B	O	E	I	N	E	R	T
A	S	T	A		W	I	F	E	T	I	E	R

Yang Studied Effects Of I.T. On Businesses

Shin-Kyu Yang, from Page 1

Yang developed new ways to measure the economic value of IT investments and “documented the importance of organizational changes” in achieving maximum returns, Brynjolfsson said. In a paper he and Yang published in 1997, they find that “an increase of one dollar in the quantity of computer capital installed by a firm is associated with an increase of up to ten dollars in the financial markets’

valuation of the firm.” Yang is survived by a wife and son who live in New York, and a service was held in July. The item in the Police Log from the Aug. 3 issue of *The Tech* apparently concerning a suicide on July 10 at Eastgate was in fact an assist by the MIT Police related to Yang’s death. Yang was a former resident of Eastgate, and MIT Police Captain David Carlson said that officers were doing a follow-up at the dormitory for the Cambridge Police.

IS&T Sets Different Phone Service Fees

Phones, from Page 1

the rates for analog phones across campus by \$3 to \$20 per phone per month, and Housing decided it could not afford the full rate, particularly in light of a projected \$2.2 million increase in utility costs this fiscal year. Despite the different prices IS&T charges for on-campus and

off-campus phone service, IS&T will still need to maintain most of the same resources to support on-campus calls as it would for off-campus calls, including the cost of wiring, the physical phones themselves, maintenance, and the ports on MIT’s phone switch. In other words, IS&T recoups a lower percentage of costs for on-campus-only service versus off-campus.



Thomas Boucher (left) and Michael McAfee of the Society for Creative Anachronism spar near the Kresge barbecue pits.



MacGregor Housemaster Munther A. Dahleh introduces parents to and fields questions about MacGregor House. Housemaster Jinane Dahleh, House Manager Bob Ramsay, and MacGregor’s graduate resident tutors also spoke.

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Sustenance for Your Grocery Needs: a Food Guide

By **Kathy Lin**
CONTRIBUTING EDITOR

Without Mom around to cook dinner or produce those trusty after-school snacks, and with limited dining options at MIT, it's time to hit the grocery stores and start cookin'. It won't be long before you start craving a homemade dinner or familiar midnight snack.

Where should you shop for food? Like most areas, Boston abounds with grocery stores. While the convenience of LaVerde's Market in the Student Center may tempt you, resist and pursue other options whenever possible; you will find better food at cheaper prices. Here are a few of my favorites:

Class of 2005 graduate Kathy Lin shares some of her favorite local destinations in a five-part series this week. Part 1 of 5.

Star Market
20 Sidney Street
Cambridge, MA 02139
617-494-5250
Open daily from 7 a.m. to midnight
<http://www.shaws.com/>
Walk north on Mass. Ave. Take a left at the gas station, then a right on the next street. Star is on the left.
The closest supermarket to MIT, Star is part of a New England chain and has all the standard items from toothpaste to fresh meat. Prices here may be higher than what you're used to at home, but that's true for all Boston supermarkets.

Trader Joe's
748 Memorial Drive
Cambridge, MA 02139
617-491-8582
Open daily from 9 a.m.–10 p.m.
<http://www.traderjoes.com/>
Walk west along Memorial Drive

(along Dorm Row); Trader Joe's is a 20-minute walk from MIT.
A quirky supermarket, Trader Joe's boasts culinary gems at reasonable prices. The selection is less comprehensive than Star's, but you're sure to find some new favorites that will keep you coming back. Mine include the cappuccino meringues, tropical fruit popsicles, lobster bisque, and frozen mangos. And I've always wanted to buy one of those 20-pound chocolate bars that occasionally appear on the shelves.

Haymarket
Take the red line subway to Park Street, then take the green line to the Haymarket stop.
A fantastic weekly outdoor market, Haymarket is a destination everyone should hit at least once. Fruits, vegetables, meat, and even seafood abound each Friday and Saturday, with vendors staying until the crowd thins or the produce runs out.

The market is loud and boisterous, and the prices are remarkable — though the quality is sometimes questionable. But even with a bad apple or two (literally), you're sure to come away with a good deal.
For the freshest food, go on Friday or early Saturday. For the best deals, go on Saturday afternoon when the sellers are getting ready to go home. Try it early in the year, because if you like it, you'll want to keep going back.

Other Options
Boston has a relatively new grocery delivery service from the expanding Peapod, which works with another New England grocery chain, Stop and Shop. Shop online at <http://www.peapod.com/>, arrange a delivery time, and receive the food at your front door. I've never tried it, but I've heard good things, and it sure sounds like a good idea.
For those interested in healthy or

organic food, try out the Harvest Cop in Central Square (walk North on Mass. Ave. about 10 minutes; Harvest is on the left at 581 Mass. Ave.), or Whole Foods Market (turn right two streets past Harvest on Prospect St., and walk three minutes to 115 Prospect St.)
Cambridge also boasts a number of farmers' markets, most of which appear once a week in a parking lot. I've picked up a few delicious homemade pies there, and markets are always fun, though small. A close one is on Bishop Allen Drive by Columbia Street in Central Square, and runs from 12 p.m.–6 p.m. on Mondays. Another is at the Charles Hotel in Harvard Square, and runs from 1 p.m.–6 p.m. on Fridays, 10 a.m.–3 p.m. on Sundays. Both run until November.
Happy cooking!

Grad School 101 Educates First-Years

Orientation, from Page 1

Though REX lasts only two days this year, culminating with the housing lottery on Tuesday evening, freshmen will be able to devote the entirety of those days to exploring the dormitories. In previous years, REX was limited to a few hours each day, Jones said.
To supplement the shorter REX period, dormitories also held events last week for freshmen participating in pre-orientation programs, he said. Jones said that the new schedule may allow freshmen to finalize their housing preferences earlier, making them feel more at home.
The Class of 2009 will first congregate at the President's Convocation, at which Hockfield will welcome the freshmen and their parents; in past years, the new classes first gathered at the Orientation ceremony.
The freshman class of 2009 has 997 students and is 46.6 percent female, said Norman. The incoming class decreased by about five students over the summer, a condition that Norman terms "melting." These students may have deferred or gone to other universities.

Grad Students: freshmen again
The 1,100 incoming graduate students will also have the chance to investigate MIT during the Graduate Student Orientation. Trips to Red Sox games are likely to be popular among the incoming students, said Gerardo Barroeta G, Graduate Student Council Orientation committee chair. Though no events are mandatory, Grad School 101, a series of panels including current students and administrators, will allow new students to hear different perspectives, and will offer advice about finding an advisor and picking a laboratory, said Shan Wu G, GSC Orientation committee chair.
Graduate students will also have the chance to participate in departmental orientations, said GSC President Emilie Slaby. Orientation will help graduate students "make connections at MIT — figure out the maze," she said.

Solution to Bonus Crossword
from page 10

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

Where to Buy Textbooks

Business	Location	New?	Used?	Notes
MIT Coop	Kendall Square	Yes	Check early	Small rebate to members, official store for textbooks
Quantum Books	4 Cambridge Center (near Kendall Square)	Yes	No	Mostly math and EECS books, comparable to Coop after discount
MIT411	www.mit411.com	No	Yes	Undergoing transition, back online soon
MIT412	www.mit412.com	Not yet	Yes	New competitor to MIT411
CampusBeacon	www.campusbeacon.com	No	Yes	New competitor to MIT411
Bigwords	www.bigwords.com	Yes	Yes	Compares prices at multiple sites
Yahoo! Shopping	www.yahoo.com	Yes	Yes	Compares prices at multiple sites
Half.com	www.half.com	No	Yes	
Amazon	www.amazon.com	Yes	Yes	
eBay	www.ebay.com	No	Yes	Have extra fun with bidding wars on textbooks

List of SafeRide Shuttle Stops

Cambridge West	Cambridge East	Boston West	Boston East
84 Mass Ave.	77 Mass. Ave.	84 Mass. Ave.	84 Mass. Ave.
McCormick Hall	NW30	Mass. Ave. at Beacon St.	Mass. Ave. at Beacon St.
Burton Hall	NW86	528 Beacon St. (Theta Chi)	478 Comm. Ave.
New House	Random Hall	64 Bay State Rd.(Theta Xi)	Vanderbilt Hall (request only)
Tang/Westgate	790 Main Street	111 Bay State Rd.(Student House)	28 The Fenway (Fenway House)
West Garage	Plymouth/Webster	155 Bay State Rd.	Prudential Center
WW15 (request only)	638 Cambridge St.	58 Manchester Rd. (Zeta Beta Tau)	229 Commonwealth Ave. (Phi Kappa Theta)
69 Chestnut (PIKA)	Sciarappa/Charles	259 St. Paul St. (Epsilon Theta)	253 Commonwealth Ave. (Tau Epsilon Phi)
Chestnut/Magazine	6th/Charles	550 Memorial Drive (Tang Dormitory)	32 Hereford St. (Chi Phi)
Magazine/Erie	Tech Square	Simmons Hall	Beacon St. at Mass. Ave.
22 Magazine	Kendall T Stop		
129 Franklin	E40/Wadsworth		
Star Market (2 bag limit)	E23 Medical Ramp		
NW86 (70 Pacific Street)	East Campus		
NW10 Edgerton			
Building N5			
Albany Garage/N10 Lot (request only)			
Building 56/66			
Building 34			

Each route leaves its Mass. Ave. starting location twice an hour from 6 p.m. to 2:30 a.m. (3:30 p.m. Thursday through Saturday). The vans leave every half hour from 6 p.m. to 9:30 p.m. (to 10:30 p.m. Sunday through Wednesday), and five minutes after every half hour from 11 p.m. onward.

SPORTS

No Experience? No Problem: Sports for Beginners

By Brian Chase
SPORTS EDITOR

Welcome, freshmen, to Orientation. In the coming weeks dozens of groups, including sports, will solicit your participation. Those of you who participated in sports in high school may join the same varsity sports at MIT; you, however, are not my primary audience. I'm speaking to those students who never considered playing sports. My message is simple: even if you never considered joining a sport team before, you can still join one now, as you begin your college career.

Okay, you mutter, but if I join a sport that looks interesting, I'm already at a disadvantage, aren't I? Not so. Teams at MIT made of participants new to the sport have performed well, even on a national level.

The Pistol team won nationals last year with a team of eight students, seven of whom

had never picked up a gun before they came to MIT. The women's fencing squad was also hugely successful last year with athletes who started fencing as freshmen. And in MIT Sport Tae Kwon Do, novices who have been learning for less than a year regularly take home medals from the national competition, against people with a similar level of experience.

Over the next three days, *The Tech* Sports section will profile the Tae Kwon Do, Pistol, and Fencing teams, which regularly succeed at national level competition with athletes who entered the sport at MIT. These teams prove prior experience in a sport is not a requirement to be competitive and successful at a collegiate level. The enjoyment of competition and achievement becomes one more reason why joining a sport at MIT can benefit you.

Some other reasons why joining a sport at MIT is a good idea for anyone:

¶ We have sports, like shooting sports, water sports, and martial arts, that you may never have been exposed to back home. As someone from the Midwest, I never had the chance to go rowing or sailing, even recreationally. MIT has more different sporting opportunities than any college except Harvard. Why not try one out?

¶ A sports team functions as a great social outlet. Finding a group of friends to share problems and experiences with is crucial at MIT, and any sport or club you join will only help you do that.

¶ Sports keep you mentally healthy. MIT is a pressure cooker, and everyone needs to let off steam. From swimming to running to shooting to lifting, physical activities provide impacting, visceral, and cathartic ways to re-

lease stress from a bad week at school or a blown test.

¶ Sports keep you physically healthy, and it's a great advantage to have the energy to pull late-night study sessions.

¶ PE credit is a requirement, and playing a sport is a good way to complete it.

In addition to Pistol or Tae Kwon Do, many other sports at MIT accept new students, including the Crew team (rowing for those from land-locked areas) and many of the martial arts, such as Kendo.

If you just want to participate recreationally, club level and intramural sports can be lots of fun. MIT has more different sports available than any college except Harvard, so anyone can find the sport they like most. The point remains: It's never too late to join a sport, especially here at MIT.

daily confusion

Monday,
August 29, 2005

03:00

03:15 — **Bexxxley** — Crows everywhere are equally black.
03:17 — **Random Hall** — RHOP — We have almost as many pancakes as the International House of Pancakes, and you don't have to drive to get here. Come hear stories of past adventures and see how much maple syrup you can fit on one plate.

04:00

04:04 — **EAsT campUS** — 7-11. Always open. But not always doing business.
04:37 — **EAsT campUS** — You can stay up late, 'cause baby you're a full-grown man — Scissor Sisters EC, we're always awake.

09:00

09:00 — **New House** — *Tours, tours, and more tours*— If you haven't already, we encourage you to experience our famous air-conditioning as you take a tour of New House.

10:00

10:00 — **French House** — Avez-vous quelques idées intéressantes pour des choses à faire dans la cuisine? Essayez-les! Crazy Kitchen Experiments, French House kitchen, top floor of New House's House 6.

11:00

11:00 — **Bexxxley** — Come by for some small talk no one cares about! Our living group is totally the coolest, and to prove it, we're going to kiss your ass, cook you waffles and pretend MIT is a nonstop carnival with Spin Art and a dunktank!
11:00 — **Simmons Hall** — Movies projected onto our really, really big screen. Chill with the Sims in our multipurpose room.
11:00 — **French House** — Uno, 25 Words or Fewer, Balderdash: jouez des jeux ridicules avec nous. Board and card games, French House kitchen, top floor of New House's House 6.
11:17 — **Random Hall** — Duct Tape Construction — Everyone loves Duct Tape! It has a light side, and a dark side, and it holds the universe together. It also comes in a variety of colors

and makes a great sculpture medium. Come see marvelous constructions, and build your own!
11:30 — **Simmons Hall** — Our newly-started Xbox game library needs testing out. Drop by the nite café all day for some button-mashing action.

12:00

12:00 — **New House** — *Make your own sushi and hobo pies* — Tired of barbecues everywhere? Want something different for a change? Drop by New House for some sushi and hobo pies, made exactly the way you want!
12:00 — **MacGregor** — Decorate your very own T-shirt to commemorate your REX experience at MacGregor (believe me, once classes start you'll long for the good old days of free food and fun).
12:00 — **French House** — La farine, le beurre, et puis, les croissants! Nous aimons nos fours et bientôt, vous allez les aimer aussi. Baking Bonanza! Eat your own goodies in the French House kitchen, top floor of New House's House 6.
12:01 — **EAsT campUS** — EC Tours Tours Tours. If you haven't seen EC yet — be there. The tour guides will show you *EVERYTHING*.
12:14 — **MacGregor** — Tour MacGregor in your suave new shirt.
12:17 — **Random Hall** — Picnic in the Main Lounge — Bring a blanket, bring a friend, (sorry, no frisbees) — it's a picnic in Random's Main Lounge. We'll be frying up burgers and hot dogs (veggie option provided).

13:00

13:00 — **New House** — *Painting* — Get in touch with your inner child ... release those hidden artistic talents!
13:00 — **New House** — *Side-walk chalk* — It's kinda like graffiti ... only without all the illegal stuff...
13:00 — **New House** — *Card games* — Come and mingle with your friendly New House residents over a game of Uno, Go Fish, Nuts, or any other games you can think of! If it involves cards, it's fair game.
13:00 — **New House** — *Ultimate Frisbee* — We at New House aren't just about free food and card games. We also like to enjoy the nice weather

and get our exercise (while we can). So come play ultimate with us!
13:00 — **French House** — Nous regardons vos émissions favorites sur la télé en français! Don't just watch sitcoms; watch sitcoms in French! Come to French House's TV lounge, at the top of New House's House 6.
13:01 — **MacGregor** — Lounge in the MacGregor courtyard with your feet dangling in a pool of cool water. Or play a little water ball and get a refreshing splash cuz guess what, it's hot again.
13:17 — **Random Hall** — Boffing on the Roofdeck — foam weapons are fun. You can score a critical hit, and your friend will still be there for you to fight again! Come to Random, young grasshopper, and you shall learn the secrets behind this ancient art.

14:00

14:00 — **EAsT campUS** — It's gotta be the Sabbath for someone, so come relax at EC.
14:00 — **Simmons Hall** — The Sims love DDR. You love DDR. Meet in the 4th floor lounge.
14:17 — **Random Hall** — Help Build Random Nucleic Acid — Come play with soldering irons and swaging tools (a way to connect steel cable to itself)!
14:30 — **Dormitory Council** — Go check out a dorm you haven't visited yet! I promise, they'll be friendly.

15:00

15:14 — **EAsT campUS** — 3.14 68734985673975398573456345 3845 EC — Close Enough.
15:14 — **French House** — "Après moi, le déluge!" Roi Louis XV. See Boston's best fountains with expert guide Luis from French House. Meet outside W20 after CityDays.
15:17 — **Random Hall** — Tie-dyeing on the Roofdeck — You've received your blindingly white Class of 2009 T-shirts. Come make them even more blinding by dyeing them in rainbow colors with cool swirly patterns! We also have Random Hall T-shirts for your hippie decorating pleasure.

16:00

16:00 — **German House** — Root Beer Float Garden. Come and enjoy the world famous, sumptuous German-style ice cream root beer floats of German House! Who knows, we

may even be tempted to fire up the bratwurst grill again and whip out some of our favorite German music.
16:00 — **Senior Haus** — Alice in Wonderland Tea Party. Tea of the finest blend will be served promptly at tea time, followed by friendly discourse and a casual game of Flamingo Croquet. Limited to those whose unbirthday is today.
16:17 — **Bexxxley** — Flies never visit an egg that has no crack.
16:30 — **EAsT campUS** — The tour guides are getting restless, and cages make them horny. This might be a good time for a visit.

17:00

17:00 — **Spanish House** — Breakfast Study Break. Have fun and eat at one of our traditional weekly study breaks while you learn more about La Casa's long tradition of home-cooked meals. This week's study break will feature breakfast food.
17:17 — **Random Hall** — Games — Apples to Apples. Settlers of Cataan. Bridge. Magi. The Gathering. Stratego. Diplomacy. Munchkin. Mao. Go Goddess. Set. Risk. Mafia. Illuminati. Pass the Chicken. Telephone Pictionary. Puerto Rice. Go. Scrabble. Ninja Burger. Gother Than Thou. Monopoly...
17:59 — **Senior Haus** — Risk Tournament! Stop by for a minute before the West Side Party and join our Risk dual bracket tournament! All games must be played to completion.

18:00

18:00 — **Baker House** — Baker BBQ: meet us behind the dormitory, on the riverside for hamburgers and veggie burgers!
18:00 — **Simmons Hall** — Forgot to tour Simmons? No prob, tours continuing right now!
18:06 — **EAsT campUS** — FOOOOOOD! EC Courtyard. You're hungry! We've got meat. And some other stuff. It might be edible. If you eat "fake" meat. Vegicide is wrong too.
18:17 — **Random Hall** — Hot and Cold Dinner — "So cold ... and yet IT BURNS!" (Well, yes; it *is* habanero ice cream). Enjoy the extremes of life with the residents of Random Hall! Eat everything from General Gao's chicken to our specialty chili. Vegetarian and vegan options available.

19:00

19:00 — **Senior Haus** — DOOMCom Defense. Meet DOOMCom while learning to make chain mail and plate

armor, useful for defending yourself from mutant towers bugs and Mike Brown. You can even make some of your own armor to keep you safe on one of our famous dorm tours.
19:00 — **Simmons Hall** — The metal sponge is calling you...
19:00 — **French House** — "Un bon dîner réconcile tout le monde." —Samuel Pepys. Experience a typical French House dinner: pea soup, variety quiche, green salad with apples, and a special pyrotechnic surprise dessert!

20:00

20:00 — **French House** — "Le cinéma, comme la peinture, montre l'invisible." —Jean-Luc Godard. From Film Noir to the Nouvelle Vague, French Film has something for everyone. Watch and absorb in the French House TV lounge, top floor of New House's House 6.

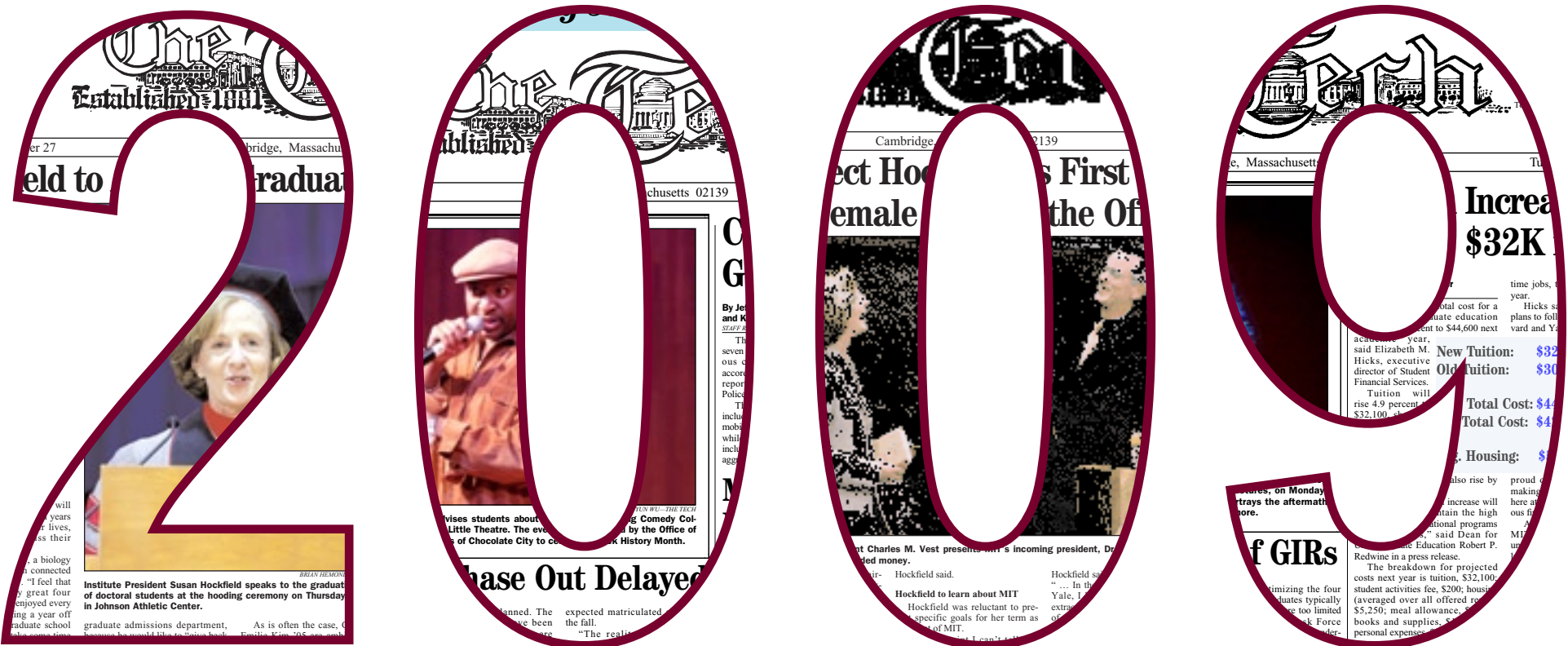
21:00

21:00 — **Senior Haus** — MIDI Karaoke in the Courtyard. Face it, before you downloaded MP3s with Napster, you turned to MIDIs when you just couldn't fork out the cold cash for CD. Now come sing your favorite songs to a MIDI backing track.
21:00 — **Spanish House** — Pachanga!!! Join us in one of the best La Casa traditions ... we're gonna dance the night away to the best salsa, merengue, bachata, reggaeton, cumbia, banda, and hip hop hits out there! Don't feel shy if you aren't sure how to dance, we'll help you out!
21:00 — **Dormitory Council** — West Side Tropical Lu-WOW Party Smoothies Jello Wrestling Pinatas Limbo Bands DJs ... We'll be rockin' it on the West Side all night long!
21:18 — **Bexxxley** — How can you expect to find ivory in a dog's mouth?
21:35 — **Bexxxley** — Violence on television only affects children whose parents act like television personalities. There is always a party going on somewhere.

23:00

23:00 — **Bexxxley** — No drugs? No tour.
23:11 — **EAsT campUS** — Our amps go to eleven.
23:13 — **EAsT campUS** — Hard hats only protect from vertical impacts. Make sure you're prepared. EC Courtyard — always here for you.
23:43 — **Bexxxley** — frig·o·rif·ic ## "fri·g&·'ri·fik adjective \$ Latin frigorificus, frigor "the cold" 1 : causing coldness : NUGATORY

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