

Hockfield Outlines MIT Energy Goals, Implements May Report

By Angeline Wang
NEWS EDITOR

After a year of research and gathering input, President Susan Hockfield announced the establishment of the Institute-wide MIT Energy Initiative in a message to the MIT community on Wednesday. The end result of the Initiative will be the establishment of “a new interdepartmental laboratory or center that will involve researchers from all five Schools,” Hockfield’s message states.

“As we work toward the establishment of this new entity,” Hockfield’s message continues. “MITEI will function as a ‘virtual center,’ reaching across the Institute to enhance and coordinate existing energy activities in research, education, and operations.”

According to Professor Ernest J. Moniz, director of MITEI, the next step will be to set the membership of

the new Energy Council and set up the education and management task forces. Moniz said that he hopes these tasks will be completed before the end of November, but that they would certainly be done this term.

The Energy Education Task Force will be in charge of coordinating MIT educational initiatives, possibly beginning with the creation of an energy minor for undergraduates. The Energy Management Task Force will improve campus energy efficiency.

Moniz and MITEI associate director Professor Robert C. Armstrong co-chaired the Energy Research Council last year. The ERC was tasked to write a report with recommendations for how MIT should address the global energy challenge. The goals of the Initiative Hockfield unveiled on Wednesday follow the recommendations of the 57-page report — which focused on Institute

research, education, and campus energy management — released by the ERC in May. The ERC was disbanded after the report’s release.

Hockfield, along with Provost L. Rafael Reif, gathered reactions to the ERC report over the summer and “discussed its recommendations with experts and stakeholders both inside and outside MIT,” her statement said.

Moniz said that the new Council would probably have fewer members than the 16-member ERC, but that it would definitely have representation from each of the five MIT Schools.

Moniz also said that the Council will begin to hire faculty this term.

In the fall of 2005, the ERC solicited input from faculty and students, asking for white papers detailing possible research direc-

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SAMUEL E. KRONICK

Teresa Hofmann (left) of Aurora Flight Sciences discusses career opportunities in aerospace with George J. Courtunis '09 at the Career Fair on Thursday, Sept. 21. The Career Fair had representatives from over 300 companies and was held in the Johnson Athletic Center.

UA Senate, Class of 2010 Council Candidates to Begin Campaigning

By Manisha Padi
and Angeline Wang

Following yesterday’s deadline for submitting applications to run for Undergraduate Association Senate, 10 students have been approved as candidates for the Senate elections. Currently, seven constituencies — Simmons Hall, Random Hall, Senior House, McCormick Hall, Living Group Council, Panhellenic Association, and Off-Campus — do not have candidates. Students will have until Monday’s late petition deadline to have their names added onto the ballot.

Campaigning for Senate and 2010 Class Council elections officially begins at 8 a.m. this morning. Four of the

10 Senate candidates are incumbents. See page 13 for a list of the candidates.

Electronic voting begins on Monday at 12:01 a.m. and ends Thursday at 11:59 p.m. Paper balloting will be in Lobby 10 on Friday, Sept. 29, according to the UA Web site.

According to UA President Andrew T. Lukmann '07, two e-mails were sent to the *undergrads@mit.edu* mailing list publicizing the elections, one about two weeks ago and one Wednesday night. This is part of an effort to increase publicity for UA elections.

The extra publicity may be working, UA Election Commission Chair Michelle Jeong '08 points out, because a record number of freshmen

have submitted petitions for both class council and UA senate elections.

“We’re excited that so many freshmen want to get involved in the UA,” Jeong said. “Freshmen have historically contributed more to both the candidates and the votes, and this year’s interest has been particularly high.”

But the effect on upperclassmen is less apparent, because they have again showed less interest in senate positions, UA Vice President Ruth Miller '07 said. Last year at this time, five Senate constituencies were without candidates and 12 of the 14 candidates were upperclassmen. This year, seven

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Army ROTC Cadets Gain Leadership By Playing Paintball

By Joanne Shih

It is barely past 8:30 a.m. and everyone I see looks alert, alive, and ready to go. Not your typical MIT morning scene, but for the Army Reserve Officers’ Training Corps program hosted by the Institute, such is the norm, if not actually a few hours later than usual.

On Sept. 16, 2006, I spent a gorgeous Saturday with a group of around 20 new Army ROTC cadets, a few of which are MIT students, for orientation at Camp Curtis Guild in western Massachusetts, a day-long event that covered everything from weapons training to tactical instruction to group formations to MRE’s (Meal, Ready-to-Eat).

A number of the new cadets were accepted to West Point or other prestigious academies but chose the Paul Revere Battalion, based at MIT, instead. Touted as the best ROTC program in the nation, the battalion is comprised of students from MIT,

Harvard University, Tufts University, Wellesley College, Salem State College, Endicott College, and Gordon College.

Surprisingly, this year was the first time such an orientation has been held. In previous years, new cadets had to try their best to fit in with

the older, more experienced cadets on the first day of training, which is

ROTC, Page 11



DANIEL P. BEAUBOEUF

Osman Sheikh, a freshman at Harvard University, learns combat maneuvers at the ROTC freshmen orientation on Saturday, Sept. 16.



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WORLD & NATION

Shuttle Atlantis Lands Safely At Kennedy Space Center

By Kenneth Chang

THE NEW YORK TIMES

CAPE CANAVERAL, FLA.

The space shuttle Atlantis glided down to an uneventful pre-dawn landing Thursday, concluding a mission that resumed NASA's construction work on the International Space Station.

The Atlantis fired its engines at 5:14 a.m. for 2 minutes, 40 seconds, sending it falling back out of orbit toward Earth. It descended into the atmosphere over the southern Pacific Ocean, crossing Mexico's Yucatan peninsula and then the Gulf of Mexico to approach Florida from the southwest. It touched down on the runaway at the Kennedy Space Center at 6:21 a.m.

The sky was still dark when Atlantis arrived, making the 15th night-time shuttle landing at Kennedy, and the weather was ideal: clear with no winds.

"It's nice to be back," Capt. Brent W. Jett Jr., the shuttle commander, said after landing. "It was a great team effort, so I think assembly is off to a good start."

Atlantis landed during its 187th circuit around Earth, having traveled 4.91 million miles.

The landing was delayed by one day after a small object was spotted floating near Atlantis in orbit.

Iran's Leader Speaks of Love, Saying Little of Weapons

By Warren Hoge

THE NEW YORK TIMES

UNITED NATIONS

Mahmoud Ahmadinejad, the Iranian president, refused to say Thursday whether he would comply with a Security Council demand to disarm and disband Hezbollah, the Tehran-backed guerrilla group that fought a 34-day war with Israel.

"I'd like to say that Lebanon's affairs are its own affairs, and we don't want to interfere," he said, when asked about the resolution that ended the combat in Lebanon last month.

He was also evasive about whether Iran would comply with the resolution's call for an arms embargo to keep Hezbollah from rearming.

He said that the U.N. Charter gave people the right to defend themselves and that "we give spiritual support to all those who want to uphold their rights."

Ahmadinejad spoke at a wide-ranging news conference in a packed U.N. conference hall in which he also reiterated Iran's denial that it was pursuing a nuclear weapon and chastised Western countries for trying to curb Iran's right to pursue nuclear energy.

Delivery of Airbus Jet To Be Delayed Again

By Nicola Clark

THE NEW YORK TIMES

PARIS

European Aeronautic Defense and Space, the parent company of Airbus, confirmed Thursday that the troubled A380 would face still more delivery delays while it tackles wiring "challenges."

This prompted hints by some important customers of the twin-deck A380 that they could scale back their orders of the plane. The news also raised fresh questions about the depths of the troubles facing Airbus and the credibility of its management at a time when the company is struggling to regain customer and shareholder confidence.

"From what is known today, there will be further delays," EADS said after more than a week of speculation that Airbus' modified timetable, announced in June, would probably slip further.

The company declined to specify the length of the latest setback to the A380 program, already more than a year behind schedule. Nor would it speculate on its possible financial impact for EADS, which owns 80 percent of Airbus.

CDC Urges Widespread HIV Testing For Teens and Adults

By Donald G. McNeil Jr.

THE NEW YORK TIMES

The U.S. Centers for Disease Control and Prevention, in a major shift of policy, recommended Thursday that all adults and teenagers should have HIV tests as part of routine medical care, because too many Americans are infected with the AIDS virus without knowing it.

The recommendation urges testing, at least once, for everyone from 13 to 64 and annual tests for those with high-risk behavior.

The proposal is a sharp break from policies set by more than two decades in which the stigma of HIV and limits in treating its effects caused many people to avoid being tested and led to heated debate about whether positive test results could be shared by medical and governmental authorities in their effort to contain the epidemic by reaching out to partners of those who might be infected.

Rose A. Saxe, a staff attorney with the AIDS Project of the American Civil Liberties Union, raised concerns about privacy, saying that in virtually every state, doctors must report the names of everyone in-

fectured with HIV, and many require reporting information like drug use and sexual history.

Under the agency's plan, patients would be told they are being tested, but the tests would be voluntary. To permit the tests to be easily administered, however, the agency urged the removal of two major barriers: separate signed consent forms and lengthy counseling before each test. That would require new laws in some states, however, a process that could take years because some civil liberties groups and lobbyists for people with AIDS oppose the changes.

Many doctors, however, are expected to welcome the changes. "These recommendations are important for early diagnosis and to reduce the stigma still associated with HIV testing," said Dr. Nancy Nielsen, a board member of the American Medical Association, which endorsed the new guidelines.

Dr. Julie Gerberding, the CDC's executive director and herself a doctor who treated some of the first San Francisco AIDS patients in 1981, said: "Our traditional approaches have not been successful. People who don't know their own HIV sta-

tus account for 50 to 70 percent of all new infections — if they knew, they would take steps to protect themselves and their partners."

The new guidelines, if adopted, would move the agency toward its "ultimate goals," which Gerberding described as: no more infected children, no one living for years without antiretroviral treatment and, eventually, no more new cases of the disease. About 40,000 Americans are newly infected each year, and the number is remaining steady. In contrast to the early days of the epidemic, which struck gay men the hardest, many of those now afflicted, including teenagers, were infected by heterosexual activity. The black and Hispanic communities have been particularly hard hit. The agency estimates that 250,000 Americans — a quarter of those with the disease — do not know they are infected.

Moreover, 42 percent of those who find out they are infected are tested only because they are already seriously ill — which means they have been infected for up to 10 years and may have been passing the infection on all that time, Gerberding said.

Germany's Merck Buying Swiss Pharmaceutical Maker Serono

By Carter Dougherty

THE NEW YORK TIMES

FRANKFURT, GERMANY

Merck of Germany announced Thursday that it would take control of Serono, a Swiss pharmaceutical maker, for 10.6 billion euros (\$13.5 billion) after failing to secure a merger with Schering, its German competitor.

A deal with Schering would have created a German powerhouse focused on traditional pharmaceuticals. But the combination with Serono will put Merck on a different path, creating a strong player in the fast-growing field of biopharmaceuticals — drugs that use living organisms to treat diseases like cancer.

"This acquisition transforms Merck's pharmaceuticals business and creates a leading position in the world of biologic medicines," Mi-

chael Roemer, Merck's chief executive, said.

For Serono, which is based in Geneva, the access to Merck's global sales and marketing network will allow its strengths in biomedicines to be projected around the world.

"This match will allow Serono's innovative biotech abilities to play an important role in the future of the combined company, while expanding its global reach," Serono's chief executive, Ernesto Bertarelli, said.

The new company would have 7.7 billion euros (\$9.8 billion), in annual sales, based on 2005 figures, and about half of that would come from biopharmaceuticals. Merck, which also has a strong presence in manufacturing the liquid crystals that go into flat-screen monitors, reported a pretax profit of 893 million euros last year on 5.9 billion

euros in sales.

Bertarelli is an heir to the billionaire Swiss family that owns slightly less than two-thirds of Serono stock, which it will sell to Merck for 1,100 Swiss francs (\$880) a share. Merck said that it would finance the acquisition in part through a capital increase of 2 billion to 2.5 billion euros, and that the Merck family, which controls the company, will purchase up to 1 billion euros of that new issue.

Shares of Merck declined 3.49 euros, or 4.47 percent, to 74.64 euros in Frankfurt. Serono asked the Zurich stock exchange on Thursday to suspend trading in its shares, which closed Wednesday at 915 Swiss francs.

Bertarelli, a victor in the 2003 America's Cup sailing competition, has sought a buyer for Serono for much of the year.

WEATHER

A Weather Sandwich

By Michael J. Ring

STAFF METEOROLOGIST

Today's weather may be explained by dividing the contiguous United States into three slices - a tranche of poor weather sandwiched between two sunny coasts.

A low pressure system currently over the Dakotas is the most prominent feature on today's weather map. The cyclone will bring heavy rain to the upper Midwest today, while a cold front accompanying the low will spark potentially severe thunderstorms in the lower Mississippi Valley. In a sure sign of winter's approach, there may even be a few snowflakes in the higher terrain of Colorado and Wyoming tonight as the rear of the system exits those states.

The best weather in the United States today may be found at the coasts. Here on the East Coast, a high pressure system off Cape Cod will provide us with sunny weather today and temperatures near climatological norms. Out west, another high pressure system is approaching Washington state, and the Pacific coast will enjoy similarly pleasant weather today.

Extended Forecast

Today: Sunny and seasonably mild. High 70°F (21°C).

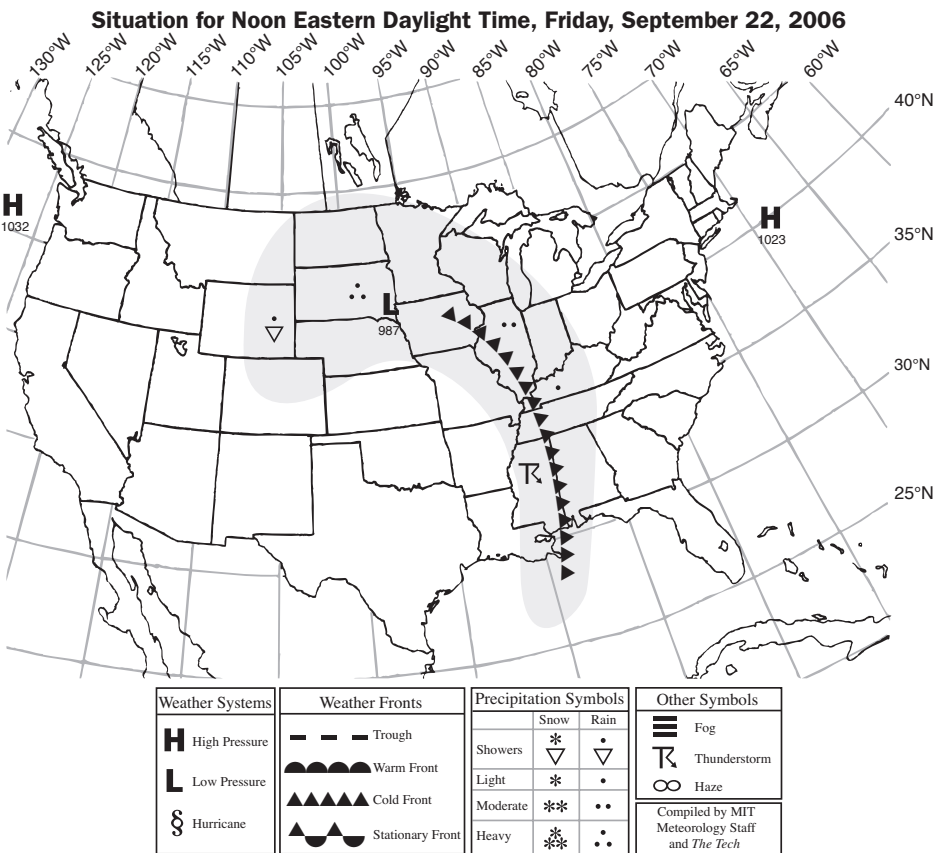
Tonight: Partly cloudy. Low 56°F (13°C).

Saturday: Mostly cloudy. High 74°F (23°C).

Saturday night: Showers. Low 60°F (16°C).

Sunday: Cloudy with showers. High 72°F (22°C). Low 55°F (13°C).

Monday: Mostly cloudy. High 68°F (20°C). Low 47°F (8°C).



Church in Calif. Challenges IRS Inquiry Into Political Activities

By Stephanie Strom
THE NEW YORK TIMES

A church in California that is under investigation by the Internal Revenue Service for possible violations of laws circumscribing political activities by churches has decided to deny the agency's request for documents. The decision forces the IRS to either drop the case or ask the Justice Department to take the church, All Saints Church in Pasadena, to court. The agency could also revoke the church's tax exemption, but legal experts said that was highly unlikely. The church regards an IRS investigation of an anti-war sermon that was delivered by the church's former rector on the Sunday before the 2004 election as an attack on freedom of speech and religion.

"We have nothing to hide, but there are principles here we think we need to uphold," said Robert A. Long, the lay leader, or senior warden, of All Saints. Long said the 26 members of the church's vestry, or governing body, had voted unanimously to decline to comply with two formal requests, called administrative summonses, for documents, testimony and other information that it received from the IRS last Friday. The church requested the summonses, which asked for documents ranging from copies of church policies and e-mails to utility bills and other receipts, as well as an interview with Rev. L. Edwin Bacon Jr., the church's rector. Bacon said the church asked for

the formal process after receiving the second of two informal IRS requests for information "that was far more intrusive and that we thought were clearly aiming to invade our worship practices, which is clearly illegal." The request for formality is also a time-honored way of getting disputes with the IRS into court, according to legal experts. "This looks like the short-cut way for the church to get the issue as to whether this is a valid investigation or not right into the court and allow it to rule on the constitutional issues," said Kevin J. Hasson, founder and chairman of the Becket Fund for Religious Liberty. "It's a perfectly respectably legal maneuver, not something like a militia movement refusing to put license plates on their cars."

Senators and Bush Administration Reach Consensus on Detention Bill

By Kate Zernike
THE NEW YORK TIMES

WASHINGTON

The Bush administration and congressional Republicans reached agreement Thursday on legislation governing the treatment and interrogation of terror suspects after weeks of debate that fractured Republicans heading into the midterm elections. Under the deal, President Bush dropped his previous demand that Congress redefine the nation's obligations under the Geneva Conventions, handing a victory to a group of Republicans, including Sen. John McCain of Arizona, whose opposition to the White House approach

had created a showdown over a fundamental aspect of the rules for battling terrorism. The administration's original stance had run into fierce resistance from former and current military lawyers and Bush's former secretary of state, Colin L. Powell, a former chairman of the joint chiefs of staff. They argued, as did McCain and the other two senators leading the resistance, that any redefinition would invite other nations to alter their obligations and endanger American troops captured abroad. "There is no doubt that the integrity and the letter and the spirit of the Geneva Conventions have been preserved," said McCain, who was tortured during more than five years as a prisoner of war in North Vietnam. Members of Congress and administration officials announced the deal after emerging from a tense and intricate all-day meeting in Vice President Dick Cheney's office in a Senate building, saying they will try to push it through in the five days Congress is scheduled to meet before lawmakers leave to campaign. The White House moved quickly to assert that it had not surrendered. Administration officials characterized the negotiations as cooperative and the result as a victory for all sides.

A Match is Set to Heal Chess Split, But Not in Paris

By Dylan Loeb McClain
THE NEW YORK TIMES

A schism in the chess world that opened in 1993 in London is to be healed this month in a poor and barren Russian republic on the Caspian Sea. Thirteen years ago, Garry Kasparov, the undisputed world chess champion, broke with the World Chess Federation, the governing body of the game, over how the federation was organizing a match for the title. Kasparov and his challenger, Nigel Short, an English grandmaster, staged their own match in London, which Kasparov won. In retaliation, the federation declared that Kasparov was no longer champion and organized a match between Anatoly Karpov, Kasparov's predecessor, and Jan Timman, a Dutch grandmaster. Karpov won and the federation proclaimed him champion. Since then, there have been rival claimants to the title of world champion. But now, Kirsan Ilyumzhinov, the president of the World Chess Federation — who is also president of the republic of Kalmykia, a region in southern Russia next to Kazakhstan — has brokered a deal and arranged a match to settle the issue. It will be in Elista, the republic's capital, beginning Saturday. Veselin Topalov, 31, a Bulgarian grandmaster who is the top-ranked player in the world, will play a 12-game match against Vladimir Kramnik, a Russian grandmaster who is also 31 and is ranked No. 4. The players will divide \$1 million, but the winner will go away with something arguably as valuable: He will be the true world champion.

Credit Card Companies to Aid in Combating Child Pornography

By John Files
THE NEW YORK TIMES

WASHINGTON

Executives from credit card companies, including Visa, MasterCard and American Express, told a congressional panel Thursday they were determined to eliminate the use of their services in the Internet child pornography business. But they also said it was difficult to keep pace with those who seek to exploit children on the Web and called for broad collaboration among those in the financial services industry and law enforcement authorities around the world. "Child pornography is a global problem in need of a coordinated response," said Mark MacCarthy, a senior vice president for public policy for Visa USA. MacCarthy said that by working together with other financial services companies, the industry could "enhance our efforts to identify Web sites and pinpoint merchants that are trafficking in this illicit activity, cut them off from use of our network, and provide assistance to law enforcement to put them in jail and shut them down for good." He added, "The way forward lies in collective action."

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Corrections

The Sept. 19 article “Half of ’10 Men Joing Fraternities in 2006” mistakenly reported that the Tau Epsilon Phi fraternity had zero pledges as of last Sunday. In fact, tEp had one pledge on Sunday. Also, the article’s subheadline inaccurately reported that “Only Three Upperclassmen Decide to Pledge,” when the number of upperclassman pledges was still being tallied. The article misleadingly referred to a “‘no camping’ rule.” The act of camping was voted out of the recruitment rules, but no rule banning camping actually exists. In addition, this was actually the second year, not the first, without the gag rule, which prohibited fraternity brothers from revealing their affiliation before rush starts.

President Emeritus Charles M. Vest did not receive an honorary degree from MIT as was reported in the Sept. 19 article “Vest Sole Candidate For President,” but was awarded honorary membership by the MIT Alumni Association.

“MIT Museum to Relocate After Planned Renovation” in the Sept. 12 issue misleadingly reported that the MIT Museum plans to move to the Metropolitan Storage Warehouse. In fact, this is only a proposal. Museum Director John R. Durant said that expansion within the museum’s current building or a new building are also being considered. “The one [possible new site] that we’re most attracted to, the one that would hold the greatest promise would be the Metropolitan Storage Warehouse,” Durant said, but added that the museum has not had any conversations with the Warehouse about a relocation.

Letters To The Editor

Other Universities Need Better Admission Policies

I would like to comment on the recent decision by several universities to abandon early admission policies. This is a step in the right direction to level the playing field for low-income and minority students. However, much more should be done before these institutions start patting themselves on their respective backs.

From working in the admissions office for two years as an undergraduate, I think MIT has had it right for years. MIT admits applicants based on merit, and awards financial packages based on need, creating one of the most egalitarian admission systems in the country.

Before these other universities start toasting each other, they should take a hard look in the mirror about their admission policies regarding applicants who are legacies, children of donors, and athletes, who otherwise would not have been admitted over another applicant. Until they do, the college admissions process will never truly be fair.

Alvin M. Lin '04

Rush Article Again Inaccurate

I apologize for the second letter in just as many weeks, but once again, the Interfrater-

nity Council finds itself dismayed over *The Tech*’s reporting of a recent event: the end of Rush. Not only were some of the printed statistics incorrect, but certain numbers that we specifically said that we did not want to release were found through other means: by asking a student who was not involved in the higher-level management of Rush at all.

Now, I understand that in the real world reporters do anything and everything to get a story. But I’d like to think that at MIT we have higher standards and more respect for our fellow students; the reporter should not have gone around the IFC to get her answers anyway. Furthermore, she chose to speculate on the nature of certain rules rather than asking those who would know best. As a result, two-thirds of the article was incorrect.

For the sake of informing the MIT community, and especially the 2010s, I’d like to make a few corrections to Tuesday’s recap on Rush:

¶ There is a reason why we chose not to release high and low pledge counts. Tau Epsilon Phi, the house cited as having zero pledges (which, by the way, is false: they have one with more pending), does not pledge traditionally: their bids are open forever. This is actually true for many chapters. Rush is only the beginning of fraternity recruitment, and not the end, so to release high and low marks in order to judge success is misleading and can be easily misconstrued. This is why we refrained from sharing this information with the reporter; it’s a shame that it was obtained anyway.

¶ The IFC told *The Tech* that at least three upperclassmen pledged (I am currently working on getting a final count). This was incorrectly stated as “only” in the sub-headline of the article.

¶ The article claims that: “The Clearinghouse system [...] was still controversial among fraternities and pledges.” There cannot be any basis to this claim, since official Rush feedback meetings for the IFC community have not yet begun.

¶ There isn’t a “no camping” rule. Camping, a formal action associated with Clearinghouse in the past, was voted out of the Recruitment Rules last spring by the Rush Chairs. I can guarantee you that each Rush Chair who voted to remove it had his own reasons for doing so. Furthermore, asking freshmen how they liked this change doesn’t hold much weight — none of them were around last year when camping was in place.

¶ The so-called “Gag Rule” is, first off, an Orientation Rule and has never been in place during Rush itself. Second, the rule hasn’t existed since 2004; this was not the first year without it.

Rush was a positive experience, and with the current pledge count at 290, I can assure you that most of our chapters are also very content. The Greek community would love to continue sharing its accomplishments with the rest of the Institute through *The Tech*, but the writing staff must first begin to report more ethically and with better accuracy.

Akil J. Middleton '08
IFC Recruitment Chair



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In Defense of HASS: A Humanist Responds

Peter A. Shulman

Do we value the humanities too much at MIT? Should we slice the eight subject HASS requirement in half? These are the questions Justin Wong asks us in his recent opinion piece of September 19. They are provocative questions that deserve vigorous discussion.

I disagree with Mr. Wong, but I do not propose to refute him point by point. Instead, I want to raise my own question about the measure of value in education. And then I want to relate an unusual story from the history of the Institute, to my knowledge never before told in print.

Woven into Mr. Wong's argument are repeated references to the questionable usefulness of a HASS education for life beyond the classroom. His measure of HASS's value, if I understand him, is largely by its applicability to professional pursuits. These classes take time away from the technical subjects "essential to my career development," he writes. They do not develop skills for "writing memos to technical colleagues or giving presentations to clients." HASS subjects inundate students with "a deluge of readings and ivory tower philosophizing." Fittingly, the one class he suggests requiring of all students he bases on management communication.

I'd like to ask whether "usefulness" is the appropriate measure of a humanistic or artistic education. I think it is not. These subjects may be useful (those of us who devote our careers to these fields certainly hope there's something valuable to them) but I want to suggest that usefulness is not the appropriate yardstick by which we judge them.

To understand why the humanities, arts, and social sciences play such an essential role at the Institute, we need only look at Killian Court. There, inscribed along the upper walls of the court's four pavilions, one hundred and ten names signal to the world the heroes of our peculiar little culture. Ten of these names tower above the rest, marking some of the

most monumental achievements of the human mind: *Aristotle, Archimedes, Newton, Darwin, Shakespeare, Copernicus* — wait, come again? Shakespeare? He's not in Killian Court, is he?

No, he's not. But he almost was. And his proposed inclusion among these top ten names, and his eventual removal from the list, capture an enduring tension about the educational role of the humanities and arts at MIT. Here's the story:

It was the winter of 1915. MIT's sixth president, Richard Maclaurin, was preparing to bring the Institute into a new era, relocating the campus from its crowded home in the Back Bay to a new building complex on Cambridge landfill abutting the Charles River.

Maclaurin received a letter from an alumnus. In the letter, a suggestion. Shouldn't the new buildings include some sort of inscription? Perhaps the one that adorned the entrance to Plato's famous Academy in Athens: "Let no one ignorant of Geometry presume to enter here." Appropriate words for the Institute, no?

Yes, they were, and the symbolism of an inscription appealed to Maclaurin. But he had another idea. Why not etch the names of eminent figures from the history of science and engineering? What better way to distinguish MIT from its fellow universities? What better way to symbolize our ideals?

Excited, he wrote his faculty. He inquired about the men (they were presumed to be men) who contributed most to the disciplines represented at the Institute.

The exercise stimulated the passions of the faculty as well as the corporation. Symbols, after all, are laden with emotional importance. That is why we respond to them. One correspondent thought the list included too many architects. Another protested that there were too few.

And then there was Shakespeare.

For the ten massive names, Maclaurin selected the least contentious major figures: Aristotle, Copernicus, Newton (the Anglophile Maclaurin managed to keep Leibnitz off the list altogether), Faraday, Darwin, and Lavoisi-

er. For the rest, he entertained Pasteur, Leonardo da Vinci, Archimedes, Shakespeare, and the American physicist Joseph Henry. Henry was tossed out quickly. Shakespeare was another story.

Maclaurin thought he belonged. After all, literature was taught at MIT. It always had been. So were languages, most importantly French and German. History questions appeared on the school's earliest admission exams. Maclaurin believed Shakespeare had an important symbolic place at the Institute.

Not all the faculty agreed. Not that Shakespeare wasn't as important as the others, or as gifted, or as influential, or that he shouldn't be taught, but that he didn't belong in the same context. MIT, according to Maclaurin's opponents, should stick with its central mission: training engineers. Model engineering. Let engineers be the symbols. Besides, if Shakespeare were admitted, things might get out of hand, because by necessity such a list should also include Homer, Virgil, Dante, and Goethe.

After protest from some of the faculty, Maclaurin dug in his heels and articulated his case. It is in this argument that I see the clearest exposition of the role of the humanities and arts at MIT. "I think, after all," Maclaurin wrote, "that we should include Shakespeare." Why? If Shakespeare represented only "a master of literary form," Maclaurin conceded he did not deserve to share space with the iconic heroes of science and engineering. But Maclaurin maintained that this list, and thus the ideals of an MIT education, meant more than becoming a more clever or even successful technician.

What followed in Maclaurin's letter is worth quoting in full: "Most of the students are prospective engineers and we should suggest to them not only that they should be interested in literary form, but especially that they should be interested in human nature and I should place Shakespeare before them as showing pre-eminently an insight into humanity in its limitless phases."

Insight into humanity — this, thought Maclaurin, was the essence of education, any

education, even at MIT. It might not help in the laboratory, factory floor or board room. It might take time away from calculus, thermodynamics and chemistry. But MIT had a bigger mission. Maclaurin did not only want to make his students better scientists and engineers, he wanted to make them better people. And it is in Shakespeare — Maclaurin's metonym for the humanities — that the student finds our species' greatest insight into the human condition.

For reasons that have not surfaced, Maclaurin eventually conceded to his faculty. Shakespeare's name was replaced with that of Benjamin Franklin. (Not to demean Mr. Franklin's stature as a man of science, but surviving documents suggest he was chosen more for patriotic reasons than for his contributions to human knowledge.)

Why choose this story to emphasize the importance of the humanities at MIT? Two reasons. First, Maclaurin lost. Shakespeare does not appear in Killian Court. The lesson I take from this episode is not that the humanities do not belong here, but that our school has long discussed and debated how the humanities should fit in with our preeminent technical education.

Second, Maclaurin — a physicist and a lawyer — best captures what I believe are the reasons the HASS requirement should remain a vital part of the MIT curriculum. My teacher, Leo Marx, once related Ezra Pound's observation that "Artists are the antennae of the race" — they are especially sensitive to changes in their world; they can communicate the human condition and help us find meaning. We can find similar insight in philosophy, anthropology, music, and the rest.

I don't know if eight classes is the right number. And I concede the HASS requirement will not suit every student. But I do know that just one class can open a student's mind to new ways of understanding the world. I took one that changed my entire career. But that's another story.



ARTS

FOOD REVIEW

So Much Gau, So Little Time

Students Choose Area's Best General Gau's Chicken at ABSK Event

By Diana Jue
STAFF REPORTER
General Gau's Chicken Festival
MIT Asian Baptist Student Koinonia
Student Center Mezzanine Lounge
September 2, 2006

MIT students are fond of and skilled at eating. The Second Annual General Gau's Chicken Festival, hosted by MIT ABSK, offered students the opportunity to rate a popular sweet-yet-spicy entrée while introducing freshmen to what may become a good friend during the next four years.

The festival boasted myriad varieties of General Gau's chicken from eight different Boston-area restaurants. Inspired by Boston's ChowderFest and Maine's Lobster Festival, the festival let students whet their appetites with bite-sized pieces of General Gau chicken, carefully consider the subtle tastes and lingering aftertastes, submit their vote for Boston's best General Gau's Chicken, and finally indulge in a plate of greasy Chinese food.

Armed with a score cards and pens, judges approached the Gau table to blind test and carefully consider one of the school year's first decisions. Tasters evaluated the glistening General Gau's chicken on a scale ranging from one (inedible) to seven (excellent) and ranked their top three picks for Taster's Choice in three categories: flavor, smell/appearance, and texture. Written comments were encouraged, but verbalized remarks from amateurs and self-proclaimed food connoisseurs created an atmosphere of serious stomach-worthy competition. The winner emerged through popular vote, although the votes of participants who also did this last year were weighted more heavily because of their presumed experience with taste-testing General Gau's chicken.

Experienced Gau enthusiasts warned freshmen and first-timers about the gravity of judging this favorite Chinese restaurant take-out item. "This is an art," warned Justin Y. Lai '07 at the beginning of the event. "Don't take it lightly."

Last year's winner from Dragon Garden Restaurant continued its reign as General Gau Chicken Champion. The scrumptious delight was lauded by almost all of the evening's critics for its delicious blend of sweetness with a hint of spiciness. First-time General Gau tester David P. Backus '10 commented that it had "the right combo of flavor" for him. Some tasters, though, commented that the taste was relatively bland compared to the other Gau entries. Appearance also matters: Tiffany Lee '08 commented that the chicken simply "looks yummy".

In second place was the entrée from Happy Garden, a newcomer to this annual competition. The dish's sweetness and overall delectability earned it the Taster's Choice award for best flavor. Whether the Gau's crunchiness improved the chicken, however, depended on personal preference. The dish also won the Taster's Choice award for best texture because of its unique crispiness; Yunji Wu '09, though,

thought that there was too much breading and that the chicken "tastes like shrimp," while Courtney Sung '10 said that the excess breading created a dish more aptly named "General Gau's dough, not chicken."

Coming in with the third place prize was last year's second place winner, the General Gau's from Hong Kong Café. This dish packed in the spice more noticeably than the first and second place winners, and the added kick distinguished it from its competitors. Aesthetically pleasing to the eye, the Gau received the Taster's Choice for best appearance/smell. Nahathai Srivali '10 liked its appearance because "it's not all red" like some of the other Gau entries, and its shiny sauce also aroused tasters' appetites.

In last place was the entry from Pu Pu Hot Pot, a restaurant near MIT whose unfortunate name foreboded the taste of its General Gau. After sampling this chicken, most judges had the same sentiments and asked, "Where's the taste?!" While many tasters concluded that the dish tasted like chicken without sauce, Lee commented that it tasted "like nothing." Pu Pu's chicken received low marks in both taste and appearance, but some tasters thought that the soft breading made for excellent texture.

The top three overall winners also swept the top three rankings in each of the Taster's Choice categories. However, General Gau's chicken dishes from Chef Chang's House, Victoria Seafood Restaurant, and Quan's Kitchen all received high marks in the Taster's Choice category for best flavor. In the category for best appearance/smell, Quan's Kitchen, Royal East, and Chef Chang's House received high marks. Happy Garden dominated in the best texture category.

Overall, MIT students found judging General Gau's Chicken a difficult yet rewarding task. During the blind taste test, David Um, MIT ABSK's co-director, loudly remarked, "These are all good!" Brandon Yoshimoto '08 found it interesting that chicken dishes with the same name can have starkly different tastes at different restaurants. Most students found that this made ranking the chicken even more perplexing.

Other dishes from these restaurants provided a typical MIT student's Chinese take-out dinner. Victoria Seafood's Kung Pao Shrimp and Royal East's Ma Po Tofu offered more balance with the mostly sweet General Gau chicken, while Chef Chang's shrimp and water chestnuts complemented the Gau's breading with a distinct crunch. Quan's special salted pork chops are known to be among the best of those at the local Chinese food restaurants, and Happy Garden's crab rangoons were an especially tasty appetizer.

The second annual General Gau's Chicken Festival went well even though its timing conflicted with rush events. Not only were freshmen introduced to a possible late-night companion, but they also saw how MIT students can participate in the finer points of life.

The results of the festival, along with the phone numbers for the restaurants, are posted online at <http://web.mit.edu/absk/www/>.

TV INTERVIEW

"Numb3rs" Continues to Make Math Chic

Creator Examines the Success of the Show and Bemoans Loss of MIT Setting

Jillian Berry
ARTS EDITOR
Numb3rs
CBS Fridays at 10 p.m.

The hit CBS series "Numb3rs" is entering its third season this Friday. I talked with Co-creator and Executive Producer Cheryl Heuton about the success of the math-based show. Here is that interview.

The Tech: How did you come up with the idea for "Numb3rs"?

Cheryl Heuton: My husband [Nicolas Falacci] and I, who is my writing partner and co-creator, had been reading books about math and science for at least a decade, and enjoying them. The characters of mathematicians and the rigors that mathematicians learn are interesting when you combine them with people who don't have that rigorous training. We tried to figure out a way to make a TV show based on that.

TT: Did you like math when you were in school?

CH: I had a very difficult time with math starting in fourth grade. I won't say I disliked it, but I had a lot of trouble understanding it, and I remember in high school I would end up in these really advanced math courses, not by my choice — my counselors always thought I should be in them. I would really get lost in them. I remember in 11th or 12th grade, in analysis, just really having a meltdown over irrational and imaginary numbers, and thinking, "if they're imaginary, why are we even learning them?" I think I missed the point of the class. I always liked the logic of it ... that you could use it to prove something new.

TT: Were you surprised by the success of the show, not only with the general population, but also among people in mathematics?

CH: Yes, by both of them. We were more surprised by the general public. We were thinking early on this is fun, this is great, but it all might come crashing down as soon as they test it in front of audiences. They might say, "I hate math; why would I watch this show about math?" So we had this idea that math and science books have made it to the best-seller list ... we thought this meant something. So when we tested this, we had people who said openly, "we love the math. We would watch the show again for the math." So that was a huge moment for us.

Then, we really didn't know what real mathematicians and real math students were going to think; we knew at some level it was always going to seem a little simplistic or a little exaggerated because they work so intensely in it. When we first showed the pilot, we showed it at Caltech, and we were thinking, "if anyone is going to ridicule it ..." But the reception there was very warm; they were very supportive and have been supportive ever since.

TT: Do you come up with math concepts and then stories, or do you decide on the stories and then find math that applies to it?

CH: It goes both ways, and it kind of depends on the writer and how we are generating the ideas. Sometimes we take a crime that's been in the news, and we say "this is a very interesting crime," and we say to our math consultant or our researchers, "are there applications that could address the issues in this crime?" One of our writers just loves to explore math and find what he considers a very cool application, and then he comes up with a crime that you can apply that to, so it works both ways.

TT: How realistic are the mathematical models?

CH: The math is all ... applications. We have often applied them in ways that haven't been applied in real life. On the show they tend to be more efficacious and more quick than they would be in real life. All of it is fairly plausible, some of it is exactly. It's funny; some of the things that have been most questioned by mathematicians is stuff that has actually been done and is completely plausible. And sometimes when it's really been out there, no one has said anything.

TT: Have you considered having real mathematicians guest star on the show?

CH: We'd love to. There are two issues with that. One is we're trying to find the real mathematician who's an actor. The second one is ... the network is concerned that they want more people to watch the show, and I'm not sure there is any one mathematician who has enough [public profile]. That's one of the things that we're trying to address in the show. Maybe we need to put one on.

TT: Why did you choose Caltech instead of MIT?

CH: [Laughs] We originally tried to choose MIT for the show. We originally set the show in Boston, and Charlie was going to be a professor at MIT. We contacted MIT, and their answer was they're not in the film and TV business, which was kind of disappointing. We actually shot the first pilot in Boston, and we ended up reshooting it. When we decided to reshoot it, we thought we would relocate to LA for financial reasons, so we wouldn't have to fake a city we were not in. If you're going to LA, Caltech is right there, so we approached Caltech, and they were kind of open to the whole idea, and they've become more excited as we go along. We do love both cities. As you know, or I hope you know, one of our cast members, Dylan A. Bruno '93, is an MIT graduate in environmental engineering.

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FILM REVIEW ★★½

Island Paradise ‘Haven’ Takes No Human Sacrifice

Writer/Director’s First Offering Transcends Hollywood Unoriginality

By Alice Macdonald

Haven
Written and directed by Frank E. Flowers
Starring Orlando Bloom, Bill Paxton,
Anthony Mackie, Zoe Saldana
Rated R
Now Playing

“Haven” is the first full-length film from writer/director Frank E. Flowers, and I guess Flowers has some impressive connections, because he manages to score a cast that includes Bill Paxton, Orlando Bloom, and Zoe Sandala, to name just a few. “Haven” is set in Flowers’ birthplace of Grand Cayman Island in the Caribbean, which allows Flowers to really add some island flair and give a feel for the place — the ocean, the food, the music, and the language are all present in “Haven”. These elements add realism to the film that juxtaposes nicely with the stylistic elements used in abundance.

From the very first frame, “Haven” has a trendy feel. It’s got the energy of a music video or television commercial, and a rawness that will make college students across America feel artsy as they watch it. At the onset, I was struck by the use of extreme close-ups, which pull the viewer in and make the fast-paced opening unsettling and confusing — but in a good way. Flowers also uses creative editing, random fast-forwards, and strange lighting, which along with the use of music gave the first half of the film great pace. Somewhere near the end of the film, however, I started to question whether these elements might distract the viewer a little too much and cause an already confusing plot structure to cross the line into incomprehensibility.

As for the acting, I was a little concerned about the prospect of seeing any film starring a certain Orlando Bloom. After some recent run-ins with the young Adonis, my expectations were low. (Anyone who has seen “Troy” knows what I am talking about.) Here Bloom plays Shy, a young outcast who has had his life ruined by the family of his forbidden love. It’s a part that doesn’t really require much as far as acting depth; consequently, Bloom doesn’t

screw up too badly! Paxton shares in the mediocrity with his role as a crooked Florida businessman who flees America with his teenage daughter. Paxton does the “Oh shit, the Feds are coming” bit pretty well, but comes up way short as a supposedly worried and loving father. Thankfully, Zoe Saldana comes through with a strong performance as Andrea, a young and wealthy islander and Juliet to Bloom’s Romeo. I com-

mend Miss Saldana for surviving some unfortunate career choices such as “Crossroads”, “Drumline”, and “Guess Who”. Saldana’s performance in “Haven” is admirable — especially in the second half of the film as she spirals into self-destructive behavior. In the end, Haven is a love story — whether it be forbidden love between Andrea and Shy, love for money, love between father and daughter, or love for Nacho Cheese Doritos (see the

movie and you will understand). Personally, I didn’t fall in love with “Haven,” but I did find the film refreshing in a way. Lately, it seems like every movie coming out of Hollywood is followed by an uncannily similar flick two weeks later. Need an example? I offer “The Black Dahlia” and “Hollywoodland,” “Capote” and “Infamous,” “The Illusionist” and “The Prestige.” I definitely celebrate “Haven” for being independent.



Corrupt businessmen Carl Ridley (Bill Paxton) and Mr. Allen (Stephen Dillane) shake hands with Sheila (Joy Bryant) in the island thriller “Haven”.

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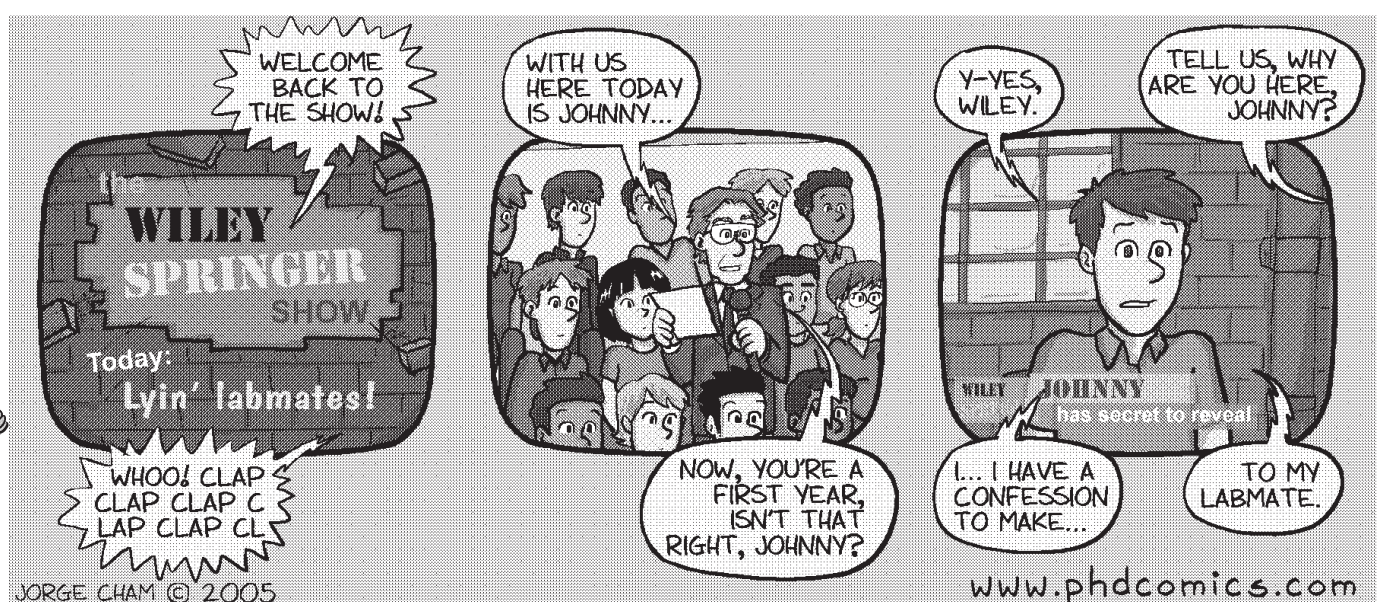
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A hand-drawn comic strip titled "MARVEL" showing a sequence of events: a character is hit by a large object, then a character is shown in a state of distress, followed by a character being hit by a large object, and finally a character being hit by a large object.

This Just In!
Inappropriate Dome Hacks...

- "The Chomsky": A portrait of Noam Chomsky is superimposed on the dome, with the text "<3 Anarcho-syndicalism" on the structure below.
- "The Plan C": A clothes hanger is shown hanging from the top of the dome.
- "The Superdome": A photograph of the Superdome with a large crowd of people gathered in front of it.



FoxTrot

by Bill Amend

sudoku

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.
Solution, tips, and computer program at <http://www.sudoku.com>.
See also solution on page 11.

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Crossword Puzzle

Solution, page 11

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Tech Reporter Takes Part in Orientation Activities For ROTC

ROTC, from Page 1

stressful enough when no one knows anyone else's name. Imagine trying to march and follow orders on top of that!

Allan B. Reyes '07, one of a handful of senior cadets who planned and executed the day-long camp, remarked that the purpose is two-fold, both to "welcome them into the family" and to "help new cadets [know] what's expected so they don't feel lost."

So what is expected? I would find out soon. But before we pile into cars to leave for the camp, I overhear some cadets talking about paintball, one of the activities scheduled for later that day. Sounds like harmless fun, until Captain Eric D. McKinney catches me and a *Tech* photographer listening. He playfully warns us that "you guys are fair game, too."

At 9:45 a.m., we reach Camp Curtis Guild, a sprawl of land with a few buildings surrounded by trees and marshy fields perfect for combat practice, and training begins almost immediately. The cadets split up into two squads for the morning activities.

First up: the weapons simulator, or Engagement Skills Training. Although in some ways the simulation is similar to an extremely large video game, this is no game. All the weapons are real, and the cadets practice in virtual settings including an urban and a forest one. I try the M249, otherwise known as the SAW (Squad Automatic Weapon), a gun that is practically bigger than my five-foot-three frame. The gunshots are deafening but I manage to come out unscathed, as do all of the targets I try to shoot.

After an hour of combat training, we move on to tactical instruction, where the cadets learn individual movement techniques. These include different ways to crawl on terrain in various situations. Thankfully, I am not properly garbed to join in with them but I admit it looks as if it would build some major character.

Other skills and techniques covered involve a "buddy rush" tactic, where two cadets at a time cover terrain by alternately covering each other while the other moves forward, and weapons and rifle safety, an extremely important lesson as shooting someone on your side unintentionally is something to avoid at all costs.

The cadets get to put this newfound knowledge to practical use in the most anticipated event of the day: paintballing.

As the afternoon unfolds, new cadets assume leadership positions in their paintball squads, gradually becoming more and more confident in their tactics, orders, and in themselves.

According to Major Diana L. Gibbs, advantages of choosing the Army ROTC program include full scholarship, more choices in majors in comparison to other ROTC programs, and opportunities after graduation into any branch of the army. For many of the new cadets, these practical reasons were superseded by other factors such as camaraderie, service, leadership, and experience. For others, as in the case of Kael Kmiecik, a freshman at Harvard, family tradition also played a determining role. Playing sports in high school was yet another factor - some cadets, including Harvard sophomore Jimmy Garmendia, wanted to be part of a team again.

The orientation was not only a learning experience for the new cadets but for the seniors as well, who were evaluated throughout the day by their superiors. McKinney, one of the evaluators, explained that the day was hands-on skill management, a good experience for the cadets who will be graduating at the end of the year.

But the main purpose of Saturday's excursion, in addition to improving retention, was for adjustment to everything from weighty boots to early mornings. And even though the camp leaders insist "We can't teach leadership," the day certainly does a fine job of starting to develop it.



DANIEL P. BEAUBOEUF
Allan B. Reyes '07 demonstrates a salute to new cadets with Kyle Hiatt accepting the salute on the left.

Solution to Sudoku

from page 9

Solution to Crossword

from page 9

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MIT Initiative Goals Follow 2006 Report

Energy, from Page 1

tions the Initiative could take. A campus-wide survey was conducted by the MIT Energy Club, and MIT received input from industry in a December workshop.

This culminated in a widely publicized Energy Forum in May 2006 where the ERC unveiled its report on how MIT should proceed to address the energy challenge.

The release of the report, which was originally scheduled to be completed in Feb. 2006, marked the end of the information-gathering phase of the Energy Initiative, Hockfield's first major action as MIT president.

In Jan. 2006, the ERC also helped set up the EnergyClasses Web site (<http://energyclasses.mit.edu/>) to highlight graduate and undergraduate classes with a significant focus on energy.

Police Log

The following incidents were reported to the MIT or Cambridge Police between Sept. 7 and Sept. 17, 2006. This summary does not include incidents such as larcenies, false alarms, general service calls, or medical shuttles.

Sept. 7: M10 (122 Memorial Dr.), 3:04 a.m., People seen on the roof of Bldg. 10.
McDermott Court, 10:02 a.m., Report of motor vehicle with broken windshield.
E19 (400 Main St.), 3:58 p.m., Report that a female was being harrasing; responding female was transported to CCH.

Sept. 9: M50 (142 Memorial Dr.), 5:11 p.m., Report of graffiti writing in the men's restroom.
W20 (84 Mass. Ave.), 8:19 p.m., White male wearing no shirt causing a disturbance in the area of W20 and W31; person yelling racial slurs at people; man located and given trespass warning.

Sept. 11: M10 (122 Memorial Dr.), 3:43 a.m., Several individuals seen in dome area of Bldg. 10.

Sept. 13: M50 (142 Memorial Dr.), 6:08 p.m., Report of homophobic graffiti done on the men's bathroom wall.

Sept. 15: M32 (32 Vassar St.), 9:13 p.m., Report that motor vehicle was broken into.

Sept. 17: LCA (99 Bay State Rd.), 1:12 a.m., Report that the Boston Police Department is on location to shut down a party.

Sept. 18: W7 (362 Memorial Dr.), 9:42 p.m., Reporting party states unknown male entered Baker House without proper ID and continued into building. Car 282 and sector 3/4 dispatched. Party located and identified.

Sept. 19: M50 (142 Memorial Dr.), 1:38 p.m., Graffiti in men's room.

COMPILED BY ANGELINE WANG AND JAMES HERMS



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First Senate Meeting Planned For Earlier Date Than Last Year

UA Elections, from Page 1

of the 10 candidates are upperclassmen.

One change to this year's elections, Miller said, is the amount of time candidates will be allowed to determine their affiliation, either with their dormitory or Fraternity, Sorority, or Independent Living Groups.

"We're basically eliminating the time that was allowed for candidates to determine their affiliation," Miller said in an interview yesterday. "They now have to declare their affiliation when they submit their petition."

According to Miller, the first UA Senate meeting will be held on Oct. 2, earlier than in previous years, which is "a great improvement over previous years." This gives the Senate time to approve budgets sooner, giving committees and student groups access to funds earlier, Miller added.

In the past, a separate period of time was set aside for candidates to decide whether to affiliate themselves with their FSILG or their dormitory. There was also additional time set aside for campaigning before the vote. The delay postponed the first UA meeting to the middle or end of October, Miller said.

Candidates for Undergraduate Association Positions Fall 2006

Position	Candidates
2010 President	Thomas W. Hay '10 Sean Y. Liu '10 Sulinya Ramanan '10 Johannes A. Schneider '10 Jason A. Scott '10
2010 Vice President	Priya Ramaswamy '10 Tish Scolnik '10
2010 Treasurer	Wen Y. Tang '10
2010 Secretary	Natasha Bosanac '10
2010 Publicity Chairs	Tiffany T. Chu '10 and Crystal J. Mao '10 Grace Montesano '10 and Armand E. Mignot '10
2010 Social Chairs	Marilyn Edobor '10 and Javier Hernandez '10 Laura H. Han '10 and Steven H. Hong '10 Aditi Nagaraj '10 and Kapil A. Dilwali '10
MacGregor Senator	Ying Yang '10
Next House Senator	Aditya Denduluri '09 Hans E. Anderson '08
Bexley Senator	Grace C. Lee '10
IFC Senator	Dwight M. Chambers '07
East Campus Senator	Jessica H. Lowell '07
Baker Senator	Jhanavi Y. Pathak '10
Burton Conner Senator	Ali S. Wyne '08 Benjamin Navot '07
New House Senator	Jason C. Forte '09

There are currently no candidates for the UA Senate positions allotted to Simmons Hall, Random Hall, Senior House, McCormick Hall, the Panhellenic Association, the Living Group Council, or Off-campus Representatives.

SOURCE: UNDERGRADUATE ASSOCIATION

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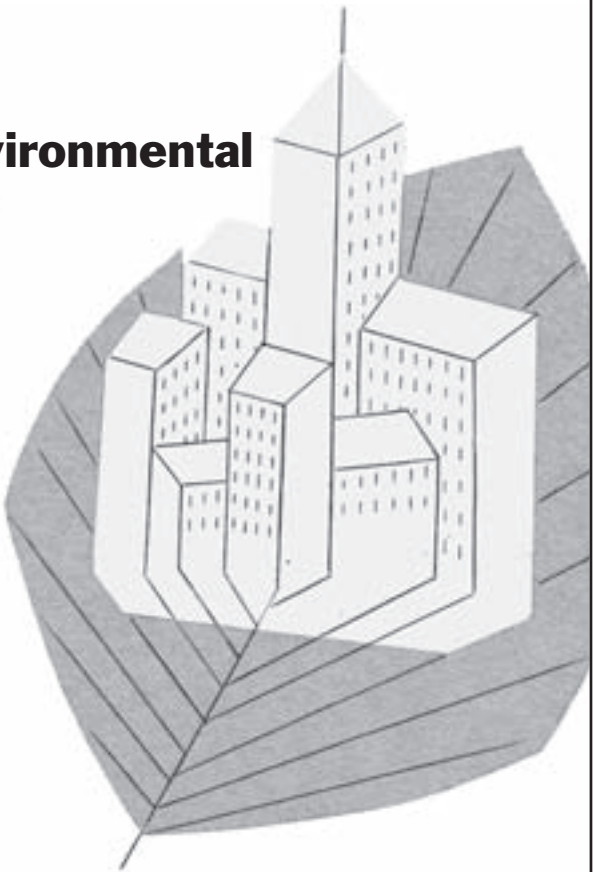


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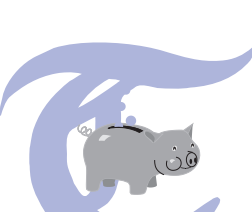
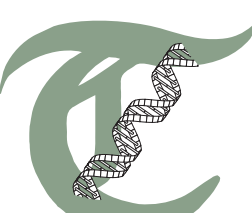
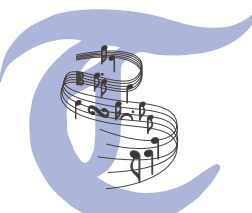
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Biology to End Acceptance of AP Credit Next Year

The Freshman Essay Evaluation results for the Class of 2010 were comparable to those of the Class of 2009. Advanced Standing Exam results were also generally similar to those of last year, as are the percentages of AP credit received by the freshman class. (For statistics, see page.)

News Briefs

This is the final year that the Biology Department will be accepting AP credit in place of 7.012 (Introductory Biology), which is one of the General Institute Requirements. In order to fulfill the graduation requirement, students starting from the Class of 2011, will either need to take 7.012 or pass the Biology Advanced Standing Exam, according to Janice D. Chang, biology educational administrator.

“The Biology Department feels that the AP curriculum does not adequately prepare students to understand current issues in and approaches to biology,” Chang said in an e-mail yesterday. “This preparation is relevant for all students as issues in biology are so pervasive today.”

For the past two years, about 27 percent of the entering freshmen classes have passed out of 7.012 with a 5 on the AP Biology exam.

The ASEs, taken mostly by freshmen, allow those who pass to receive credit for introductory courses in mathematics, biology, chemistry, and physics. The FEE, required for freshmen who do not receive a 5 on either of the AP English exams, determines what writing subject a student must take in their first year.

—Angeline Wang

Bioengineering Professor Named 2006 MacArthur ‘Genius’

Linda G. Griffith, professor of mechanical and biological engineering, was awarded a 2006 MacArthur “genius” fellowship. Each year, the John D. and Catherine T. MacArthur Foundation awards 25 such fellowships in a variety of fields. The fellowship includes a \$500,000 “no strings attached” financial reward paid in installments over five years. The foundation announced this year’s fellows on Tuesday.

According to the foundation’s Web site, Griffith was honored for “shaping the frontiers of tissue engineering and synthetic regenerative technologies.”

“I was very surprised,” Griffith said yesterday. “It was totally out of the blue.” The selection process for the MacArthur Fellowship is highly confidential with many nominees unaware that they are being considered. Griffith had received a call from MacArthur Foundation Director Daniel Socolow last week, according to the MIT News Office. “It took me a little while for it to sink in.”

Griffith joined the MIT faculty in 1991 and is currently director of the Biotechnology Process Engineering Center. She is also in charge of the curriculum for the new Biological Engineering S.B.

—Angeline Wang

Results of 2006 Freshman Essay Evaluation

HASS Class	Class of 2010	Class of 2009
CI-H or CI-HW	61%	58%
CI-HW Required	33%	36%
21F.222 Required	6%	6%

A total of 801 students in the Class of 2010 took the Freshman Essay Evaluation; some students passed out by scoring a 5 on one of the Advanced Placement English Exams, and some chose not to take the evaluation but just take a CI-HW subject. Last year, 775 students in the Class of 2009 took the FEE.

SOURCE: LESLIE C. PERELMAN, DIRECTOR OF WRITING ACROSS THE CURRICULUM

Advanced Standing Exam Results

Subject	2006: Number That Took Exam	2006: % That Passed Exam	2005: Number That Took Exam	2005: % That Passed Exam
5.111	77	17%	87	13%
7.012	6	17%	7	57%
8.01	69	22%	69	26%
8.02	71	60%	58	64%

SOURCES: BRIAN E. CANAVAN, DEPARTMENT OF PHYSICS ACADEMIC ADMINISTRATOR; SYLVIA T. CEYER, DEPARTMENT OF CHEMISTRY ASSOCIATE HEAD; JANICE D. CHANG, DEPARTMENT OF BIOLOGY ACADEMIC ADMINISTRATOR

AP Credit Received by Freshman Class

AP Exam	Pass out of	Class of 2010	Class of 2009
Biology (score of 5)	7.012	27%	27%
Calculus BC (score of 4 or 5)	18.01	53%	47%
Physics C (score of 5 on Mechanics and 5 on E&M)	8.01	15%	16%
English Language *	FEE	16%	15%
English Literature *	FEE	16%	15%

* Some freshmen bring in scores of 5 on both AP English Literature and AP English Language, according to Michael Bergren, assistant dean for academic and research initiatives, and others just bring in a score of 5 on one or the other. In total, 25 percent of the incoming class qualified to pass out of the FEE by having a score of 5 in one or both of the AP English exams.

SOURCE: JULIE B. NORMAN AND MICHAEL BERGREN, UNDERGRADUATE ADVISING AND ACADEMIC PROGRAMMING OFFICE

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CHRISTINA S. KANG—THE TECH

Albert Park '08 waits to get a slice of cake at the celebration for the newly renovated reading room on the fifth floor of the student center yesterday. The new, brighter space holds seven group study spaces along with individual study spaces, separated by an acoustically sealed partition.

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Chomsky is Alive, Actually, and Hungry for Debate

By Marc Santora
THE NEW YORK TIMES

At a news conference after his spirited address to the United Nations on Wednesday, President Hugo Chavez of Venezuela expressed one regret: not having met that icon of the American left, the linguist and MIT Institute Professor Noam Chomsky, before his death.

Thursday, a call to Chomsky's house found him very much alive. In fact, he was struggling through "10,000 e-mails" he had received since the remarks by Chavez, who urged Americans to read one of Chomsky's books instead of watching Superman and Batman movies, which he said "make people stupid."

At 77, Chomsky has joined the exclusive club of luminaries, like the actor Abe Vigoda and Mark Twain, who were reported dead before their time, only to contradict the reports by continuing to breathe.

"I continue to work and write," he said, speaking from his house in Lexington, Mass.

Chavez, while addressing world leaders at the United Nations, flagged "Hegemony or Survival: America's Quest for Global Dominance," which Chomsky published in 2003, as a must-read. Chomsky said he was glad that Chavez liked his book, but he would not describe himself as flattered. "We should look at ourselves through our own eyes and not other people's eyes," he said.

Chomsky said he had taken no offense at Chavez's remarks about his

being dead. In fact, Chavez's promotion of the book propelled it Thursday into Amazon's top 10 best sellers.

While retired from teaching full time, Chomsky still goes to his office at the Massachusetts Institute of Technology, occasionally lecturing and also working on a new book.

At the United Nations, the remarks by Chavez on Wednesday set off a firestorm that almost overshadowed the visit by Iran's president, Mahmoud Ahmadinejad, whose country has been under intense global scrutiny for its nuclear ambitions. From the podium of the General Assembly, the Venezuelan leader said he smelled lingering sulfur, left by President Bush, who had spoken there the day before and whom he branded "the devil."

Chavez continued mocking Bush on Thursday in Harlem, where he announced the expansion of a program to send cheap Venezuelan oil to poor families in New York. He told a group gathered on the street that the president was an "ex-alcoholic" who had "a lot of hang-ups" and tried to walk "like John Wayne."

Chomsky said that he would not choose to use the same harsh oratory, but added that the Venezuelan leader was simply expressing the views of many in the world. And he said Chavez's anger was understandable.

"The Bush administration backed a coup to overthrow his government," he said. "Suppose Venezuela supported a military coup that overthrew the government of the United States? Would we think it was a joke?"

Proving that he was still up for a lively debate, Chomsky then went on to talk about income inequality in Latin America, the history of the United Nations, Iraq, Iran, Fidel Castro and,

finally, the man who so fervently admires him, Chavez.

"I have been quite interested in his policies," Chomsky said. "Personally, I think many of them are quite con-

structive." Most important, he said, Chavez seems to have the overwhelming support of the people in his country. "He has gone through six closely supervised elections," he said.



SAMUEL E. KORNICK
Linguistics Professor Noam A. Chomsky speaks last night in 32-123 on the "multiple crises in the Middle East." Chomsky criticized U.S. support of Israel and Israel's refusal to recognize Palestine.

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Fate of Some CIA Detainees Unknown

By Farah Stockman
THE BOSTON GLOBE

WASHINGTON

President Bush's announcement this month that the CIA has emptied out its secret prisons has raised new questions about what has happened to dozens of Al Qaeda suspects who were believed to have been in US custody.

One of them is Aafia Siddiqui '95, an MIT-educated Pakistani scientist and Roxbury mother of three who disappeared with her children in 2003. A newly declassified government document says Siddiqui married a top Al Qaeda operative who is among the 14 suspects moved by President Bush from a secret prison to Guantánamo Bay for trials.

But the document gave no further information on Siddiqui's whereabouts.

Siddiqui's mother said she believes her daughter was being held by the US military, and she traveled to the United States to search for information after reading Pakistani newspapers articles that said Siddiqui had been arrested in Pakistan and sent abroad in a private plane, said Elaine Whitfield Sharp, a Marblehead lawyer and the family spokeswoman.

"Nobody knows where she is, but one has to wonder if she is one of these secret detainees," said Sharp.

Bush's announcement of the transfer of prisoners to Guantánamo Bay was the first official confirmation that the CIA had secretly arrested suspected terrorists and held them in undisclosed places overseas.

A senior administration official briefing reporters on the condition of anonymity last week said that fewer than 100 detainees had been held in the CIA program and that all of them have been "turned over to the Department of Defense to be held as unlawful enemy combatants [at Guantánamo Bay], returned to their country of origin, or entered into a legal process to be held accountable for their crimes."

But human rights groups say the fate of dozens of detainees who were in CIA custody is still unknown.

"The Red Cross has said 36 high-level suspects have been in CIA custody," said Zachary Katznelson, senior counsel to Reprieve, a British legal aid society. "Fourteen have been transferred to Guantánamo Bay, and President Bush says that there are now no terrorists in the CIA program. Where are those 22 other men?"

Human Rights Watch released a list last year of 27 suspects who were thought to be in CIA detention. Thirteen of the 27 were among the 14 transferred recently to Guantánamo Bay.

Mariner said many on the list came from countries such as Egypt and Jordan, which have been cited by international bodies for torture and arbitrary detentions. She said that if detainees had been returned to those countries, little would be known about their fate.

Human Rights Watch had too little information about Siddiqui's case to include her in the list of the 27 "disappeared" suspects, but considered her a possible secret CIA detainee, Mariner said.

The story of Siddiqui has become one of the most bizarre chapters of the war on terror. Her whereabouts have been a mystery since she climbed into a taxi with her three children outside her mother's home in Karachi in 2003.

Siddiqui traveled from Pakistan to Texas in 1990 to live with her brother, an architect, and attend the University of Houston. She eventually transferred to MIT, where she studied biology and raised money for what she said were charitable Islamic causes, such as the sponsorship of orphans and widows in Bosnia.



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