Hockfield Outlines MIT Energy Goals, Implements May Report

By Angela L. Wang

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 interdisciplinary 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, “MIT will function as a ‘virtual center,’ reaching across all areas of 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 within the first quarter of 2007.

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, gave 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 directions.

UA Senate, Class of 2010 Council Candidates to Begin Campaigning

By Manisha Padhi and Angela L. Wang

Following yesterday’s deadline for people to sign up for the Undergraduate Association Senate, 10 students have been approved as candidates for the Senate elections. Currently, seven constituencies — Simmons Hall, Rundell Hall, Simmons 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 names added onto the ballot.

Candidates for both the Senate and 2010 Class Senate elections officially began at 8 a.m. this morning. Four of the 10 Senate candidates are incumbents.

Electronic voting begins on Mon- day, Dec. 12 a.m. and ends Thursday at 11:59 p.m. Paper balloting will be in Lobby 10 on Friday, Sept. 29, accom- panying the UA Web site.

According to UA President Andrew T. Lukmann ’07, two positives were sent to the undergraduates@mit.edu mailing list publicizing the elections, one about two weeks ago and one yesterday which was a 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 are getting involved in all levels of student governance,” Jeong said. “Freshmen have historically showed less interest in senate positions, but this year’s campaign has been very inclusive with the effort to increase student participation. Both UA and Senate elections have submitted petitions for both class council and UA senate elections.”

The election will be held at Baker Ballroom on Saturday, Sept. 16.

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 Offi- cers’ Training Corps (OTC) 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 OTC cadets, a few upperclassmen, students, and faculty, at orientation on Camp Curtis Guild in western Massachusetts. The 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 military schools, a fact that seemed to have no effect on their ability to participate in the day’s activities.

The opportunity to see so many freshmen in the OTC program was quite exciting. The cadets were eager to try out these new opportunities.

The group that I accompanied was from Harvard University, Tufts University, Wellesley College, Salem State College, Endicott College, and Gordon College.

The purpose of the program is to give a financial incentive to eat together,” Berlin said.

Hockfield’s initiative for a “living and learning” community also focuses on building communities through dining together.

By Hanan Wang

The preferred dining plan increased to $300 this semester, a $50 increase from last year’s price. The extra money goes toward Baker Dining Hall’s increased service and higher labor costs, according to Richard D. Berlin III, director of campus dining.

Baker Dining is now open seven nights a week, up from five nights last year.

The last price hike for preferred dining was a $25 increase to $250 per semester in Fall 2005.

Most students living in Baker House, Simmons Hall, McCormick Hall, and Next House are automatically enrolled in the preferred dining plan, which gives them a 50 percent discount on purchases at the dining halls.

Berlin said that the new prices were published in Orientation brochures for the incoming freshmen class. Students in the four dormitories with dining halls are required to pay regular prices, so Berlin didn’t think it was necessary to largely publicize the increase.

Some students were disappointed by the lack of communication over the price increase. Many students, however, do not seem troubled by the increase.

“I didn’t mind it because I would be in Simmons anyway doing work,” said Maggie Walf, ’08, who lives in Simmons Hall during her freshman and sophomore years. “During freshman year, me and my friends ate together all the time.”

Berlin notes that “prices have not significantly changed on the menu over the last three years.” The check average, or what a person spends per day on average, has also stayed consistent. Last year, the check average without the 50 percent discount was $7.80. This year, the average student spends $8 without discount, which reaches Campus Dining’s tar- get of $4 with discount.

The preferred dining plan began in 2002 with the opening of Simmons’ dining hall. “The intent of the program is to give a financial incentive to eat together,” Berlin said.

Teresa Hofmann (left) of Aurora Flight Sciences discusses career opportunities in aerospace with George J. Courtins ’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.
Shuttle Atlantis Lands Safely At Kennedy Space Center

By Kenneth Chang

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

The Atlantis touched its main landing gear at 2 a.m., 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 runway at the Kennedy Space Center at 6:21 a.m.

The weather was ideal: clear with high temperatures expected to be in the low 60s Fahrenheit.

The shuttle's landing at Kennedy was a good news story for the NASA leadership, who have been trying to save the agency's flagship orbiter from being retired too soon. Atlantis, the last orbiter of the shuttle fleet, was launched in January to deliver supplies and new astronauts to the International Space Station. The mission was supposed to be the last shuttle flight, but NASA has been pushing for it to fly another mission to allow time for the replacement to be ready.

The landing was delayed by one day after a small object was spotted floating near Atlantis in orbit. The weather was mostly cloudy with a high of 68°F (20°C) and a low of 47°F (8°C).

Sunday: Showers. Low 60°F (16°C).


Extended Forecast:

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

The CDC urges Widespread HIV Testing For Teens and Adults

By Donald G. McNeil Jr.

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 government 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 infected with HIV, and many require lengthy counseling before each test.

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, who 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 status have not been tested because they fear what they might find out.”

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

Delivery of Airbus Jet To Be Delayed Again

By Nicola Clark

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 delays of the troubles facing Airbus and the credibility of its management at a time when the company is struggling to regain the trust of customers.

From what is known today, there will be further delays,” EADS said after more than a week of speculation that Airbus would modulate timing, announce a delay or cancel altogether.

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

Germany’s Merck Buying Swiss Pharmaceutical Maker Serono

By Barry Diner do ugherty

Merck 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 rival German pharmaceuticals 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 transaction transforms Merck’s pharmaceuticals business and creates a leading position in the world of biologic medicines,” Michael 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 billioniare Swiss family that owns slightly more than half 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 by issuing new shares worth 3.5 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 0.4% 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 91.5 Swiss francs.

Bertarelli, a victor in the 2003 America’s Cup sailing competition, has bought a sur to Mer for much of the year.

A Weather Sandwich

By Michael J. Ring

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

Tonight: Party cloudy. Low 50°F (13°C).

Saturday: Mostly cloudy. High 62°F (17°C).

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


THE WEATHER
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.

By Stephanie Strom

The Bush administration and congressional Republicans reached agreement Thursday on legislation 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.

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As the debate over how the federation was organizing a match for the title was heating up,crete companies, the industry could “enhance our efforts to identify Web services companies, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could “enhance our efforts to identify Web services, the industry could 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**Correction**

The Sept. 19 issue, “Article of ’02 Men Joining Fraternities in 2006” mistakenly reported that the Tau Epsilon Phi fraternity had already gone coed as of last Sunday. In fact, tlp had one pledge on Sunday. Also, the article’s subheadline inaccurately reported that “Only Three Up- 

**Letters To The Editor**

**Rush Article Again Inaccurate**

I apologize for the second letter in just as many weeks, but since again, the Interfrat-

**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 admissions 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

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Alvin M. Lin ’04
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. 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 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 engineers.”

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 in 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 adjoined 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 erect 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, Archimedes, Newton (the Anglophilic Maclaurin managed to keep Leibniz off the list altogether), Faraday, Darwin, and Lavoisier. 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 was 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 expression of the role of the humanities and arts at MIT. "If, 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-eminent 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. He 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, anthropol- ogy, 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. That's another story.
The winner emerged through popular vote, amidst a healthy sweep of serious stomach-worthy competition. After weighing the evidence, an armful of votes for a plate of greasy Chinese food. General Gau’s Chicken, and finally indulging in an aftertaste of the good intentions of the organizers. The dish packed in the spice more noticeably than the first and second place winners, and the added kick distinguished it from its competitors. Daringly pleasing to the eye, the Gau received the Taster’s Choice for best appearance overall. Nanthathai Sovath ’10 liked its appearance quite a bit, as it looked like some of the other Gau entries, and its green sauce also assured tasters’ appetites.

In last year’s entry was from Pu Pu Hot Pot, a restaurant near MIT whose unfortunate name foreshadowed the taste of its General Gau. After sampling this chicken, most judges had the same sentiments and asked, “Where’s the tasteful winner?” 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, and 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, and Queen’s Kitchen all received high marks in the Taster’s Choice category for best chicken. In the category for best appearance overall, Queen’s Kitchen, Royal East, and Chef Chang’s House were among the top 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 commented that it tasted “like nothing.” Pu Pu’s Chicken received low marks in both taste and appearance, and some tasters thought that the soft breading made for excellent texture.

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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 Saldana, 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. Thankful- ly, Zoe Saldana comes through with a strong performance as Andrea, a young and wealthy islander and Juliet to Bloom’s Romeo. I commend Miss Saldana for surviving some unfortunate career choices such as “Crossroads”, “Dreamline”, 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”. 
Unscientific

Ok, listen up. After reading the latest batch of Marvel and DC comics, I now understand that making things "realistic" means making them depressing and incoherent as possible, sort of like some classes I’ve taken here.

This Just In

"The Chomsky"  "The Plan C"  "The Superdome"

This Just In!
Inappropriate Dome Hacks...

"Lyn" labmates!

Welcome back to the show!

With us here today is Johnny.

Now, you’re a first year, isn’t that right, Johnny?

I, I have a confession to make...

Tell us, why are you here, Johnny?

Johnny here has a confession to make to his labmate.

Um, well, when I first joined the group...

I’ve been running your experiments, cranking your numbers, cleaning your equipment...

I’m seeing another grad student.

What the hell?

What the hell?

Don’t you dare...

Johnny?

Johnny?

Johnny?

I’ve been a good lad...

Yes, you’ve been a good lad...

Yes, you’ve been a good lad...

Yes, you’ve been a good lad...

Well...

I can’t keep this a secret anymore...

Doh!
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. 
See also solution on page 11.

© Puzzles by Pappocom
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  781-845-7425
- **Brookline**
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- **Cambridge**
  1 Central Square, 632 Massachusetts Ave.
  617-661-4300
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  647 Boylston St., 617-369-9000
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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 fam-

ily” 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 activi-

ties.

First up: the weapons simula-

tor, or Engagement Skills Training. Although in some ways the simula-

tion 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, but I admit it looks as if it would build some major character.

Other skills and techniques cov-

ered 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 ex-
tremely important lesson as shooting someone on your side unintentional-
ly is something to avoid at all costs.

The cadets get to put this newly
designed 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 them-

selves.

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 pro-

grams, and opportunities after gradu-

ation into any branch of the army. For many of the new cadets, these practi-

cal reasons were superseded by other factors such as camaraderie, service, leadership, and experience. For oth-

ers, as in the case of Kael Kmiecik, a freshman at Harvard, family tradi-

tion also played a determining role. Playing sports in high school was yet another factor – some cadets, includ-

ing Harvard senior Jimmy Gar-

mond, wanted to be part of a team again.

The orientation was not only a learning experience for the new ca-

dets 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 Satur-

day’s excursion, in addition to im-

proving 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.
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 harassed; 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:
M12 (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.

MIT Initiative Goals Follow 2006 Report

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 Energy Classes Web site (http://energyclasses.mit.edu/) to highlight graduate and undergradu ate classes with a significant focus on energy.
First Senate Meeting Planned For Earlier Date Than Last Year

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

<table>
<thead>
<tr>
<th>Position</th>
<th>Candidates</th>
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<tbody>
<tr>
<td>2010 President</td>
<td>Thomas W. Hay ’10</td>
</tr>
<tr>
<td></td>
<td>Susan Y. Liu ’10</td>
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<tr>
<td></td>
<td>Sulinya Ramanan ’10</td>
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<tr>
<td></td>
<td>Johannes A. Schmueder ’10</td>
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<tr>
<td></td>
<td>Julian A. Scott ’10</td>
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<tr>
<td>2010 Vice President</td>
<td>Piya Ramaswamy ’10</td>
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<tr>
<td></td>
<td>Tish Scobla ’10</td>
</tr>
<tr>
<td>2010 Treasurer</td>
<td>Winn Y. Tang ’10</td>
</tr>
<tr>
<td>2010 Secretary</td>
<td>Natasha Bosanac ’10</td>
</tr>
<tr>
<td>2010 Publicity Chairs</td>
<td>Gillian E. Chu ’10, and Crystal F. Ma ’10</td>
</tr>
<tr>
<td></td>
<td>Grace Montesano ’10, and Armand E. Mignot ’10</td>
</tr>
<tr>
<td>2010 Social Chairs</td>
<td>Marilyn Edelsohn ’10</td>
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<tr>
<td></td>
<td>Javier Hernandez ’10</td>
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<td></td>
<td>Laura H. Han ’10</td>
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<tr>
<td></td>
<td>Steven H. Hong ’10</td>
</tr>
<tr>
<td></td>
<td>Aditi Nagarajan ’10</td>
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<tr>
<td></td>
<td>Kapil A. Dibrell ’10</td>
</tr>
<tr>
<td>MacGregor Senator</td>
<td>Thomas Y. Yang ’10</td>
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<tr>
<td>Next House Senator</td>
<td>Aditi Dadhwal ’09</td>
</tr>
<tr>
<td></td>
<td>Hans E. Anderson ’08</td>
</tr>
<tr>
<td>Berkeley Senator</td>
<td>Grace E. Lee ’10</td>
</tr>
<tr>
<td>IFC Senator</td>
<td>Dwight M. Chambers ’07</td>
</tr>
<tr>
<td>East Campus Senator</td>
<td>Jessica H. Lowell ’07</td>
</tr>
<tr>
<td>Baker Senator</td>
<td>Margaret V. Nachbar ’06</td>
</tr>
<tr>
<td>Burton Corner Senator</td>
<td>Ali S. Wyne ’08</td>
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<td></td>
<td>Benjamin Navot ’07</td>
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<tr>
<td>New House Senator</td>
<td>Jason G. Rhee ’09</td>
</tr>
</tbody>
</table>

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.

Student Group Events @ MITEH

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The Art and Science of Japanese Robots

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INFORMATION SESSION
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34-401A

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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.)

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.

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.

Results of 2006 Freshman Essay Evaluation

<table>
<thead>
<tr>
<th>HASS Class</th>
<th>Class of 2010</th>
<th>Class of 2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>CI-H or CI-HW</td>
<td>61%</td>
<td>58%</td>
</tr>
<tr>
<td>CI-HW Required</td>
<td>53%</td>
<td>16%</td>
</tr>
<tr>
<td>21F.222 Required</td>
<td>6%</td>
<td>6%</td>
</tr>
<tr>
<td>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.</td>
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Advanced Standing Exam Results

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<tr>
<td>5.111</td>
<td>77</td>
<td>77%</td>
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<td>77%</td>
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<tr>
<td>7.012</td>
<td>6</td>
<td>17%</td>
<td>7</td>
<td>57%</td>
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<tr>
<td>8.01</td>
<td>69</td>
<td>22%</td>
<td>69</td>
<td>26%</td>
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<tr>
<td>8.02</td>
<td>71</td>
<td>60%</td>
<td>58</td>
<td>64%</td>
</tr>
</tbody>
</table>

AP Credit Received by Freshman Class

<table>
<thead>
<tr>
<th>Subject</th>
<th>Class of 2010</th>
<th>Class of 2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology (score of 5)</td>
<td>7.012</td>
<td>27%</td>
</tr>
<tr>
<td>Calculus BC (score of 5 or 5)</td>
<td>18.01</td>
<td>53%</td>
</tr>
<tr>
<td>Physics C (score of 5 on Mechanics and 5 on E&amp;M)</td>
<td>8.01</td>
<td>15%</td>
</tr>
<tr>
<td>English Language *</td>
<td>FEE</td>
<td>16%</td>
</tr>
<tr>
<td>English Literature *</td>
<td>FEE</td>
<td>16%</td>
</tr>
</tbody>
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* 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.

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THE TECH
September 22, 2006
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 flat-tered. "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?"

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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 Roshdy 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 Whitefield 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.

By Farah Stockman

WASHINGTON

September 22, 2006
THE TECH
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Engineers Defeat Bisons; Seniors Lead Scoring

By Mindy Brauer

Engineers Defeat Bisons; Seniors Lead Scoring

Pass from Yeechoor. Prange scored 15 minutes after connecting on a goal scoring spree during the first half with five. Kang sparked a four-goal burst for goals scored in the second and eventually tied an Institute record. The game-winner. Although MIT held a slim 2-1 edge. The interception led to MIT's 42-yard game winning drive, capped by an eight-yard play action touchdown pass from quarterback Richard A. Mancuso '09 to tight end Christopher W. Ruggiero '09. The win Saturday at Maple Street Field in Framingham, Massachusetts, evened the MIT Engineers' record for the season to 1-1. The Framingham State College Rams, a non-divisional opponent, fell to 0-2 after their 21-14 loss to the Engineers. The game was a back and forth affair with the Rams breaking out to an early 7-6 lead in the first quarter on a one-yard touchdown run by the Rams' Bryce Gubbecht. That drive started on the Engineers' 28-yard line when Mancuso overthrew his intended receiver into the arms of a Rams defensive back, the first of two interceptions. They moved down the field quickly with a 27-yard reception in which the ball was tipped once by each team before it eventually made its way into the arms of Framingham's senior receiver Bill Meuse. The Rams' starting quarterback Evan Bann left the game early in the second quarter with a leg injury and did not return. He was replaced by McCullough who struggled early and finished with only three completed passes in seven attempts for 35 yards, no touchdowns, and the interception to Brunswick. The Engineers answered in the second quarter with a touchdown of their own on a 12-yard draw play by the Engineer's running back Benjamin J. Blonsky and the interception to Brunswick. That drive ended with receiver into the arms of a Rams' Bryce Guilbeault. That drive went untouched into the cage. In net, Alexa C. Herman '08 made three saves for the Engineers while Mary Kate Bodnarz collected 10 for the Bison.