Most Katrina Students Leaving in Spring

By Angeline Wang

Researchers at MIT are at it again, this time challenging the old maxim that bigger is better. According to faculty and staff at the newly-developed Institute for Soldier Nanotechnologies, the soldier of tomorrow will be to close in on, and systems built on the nano scale.

In 2002, the U.S. Army established the ISN through a 5-year, $50 million contract with MIT devoted to research in nanomaterials and nanotechnology in relation to soldier capabilities. Located in MIT’s Technology Square, the ISN is working with faculty and students transcending many departments to revolutionize and advance soldier protection and survivability — producing success stories along the way.

“When you get into the nano realm, that’s where properties become size dependent, and new properties begin to express themselves,” said Edwin L. Thomas, director of the ISN and professor of materials science and engineering, in a speech delivered last week at the 2005 John Waff Memorial Lecture. During the lecture, intended to engage undergraduates, especially freshmen, Thomas stressed the importance of nanotechnology in relation to soldier capabilities. According to Thomas, “Nanotechnology provides the ultimate in miniaturization.”

Miniaturization is a key issue for soldiers in the field, who carry as much as 120 pounds of provisions and gear. While the ultimate goal of the ISN is the creation of a 21st century battlesuit, “a bullet-proof jumpsuit, no thicker than ordinary spandex, that monitors health, eases injuries, communicates automatically, and may even lend superhuman abilities,” researchers are now working on smaller scale projects in nanocomposites and nanocarbons, or what Thomas refers to as “nano-hanging nano stuff” that can be implemented in the near future.

Professor of Chemical Engineering

MIT Tackles Nanotechnology Research

In a round of lawsuits filed on October 26, three MIT dormitory residents were sued by the record industry for copyright infringement. The latest suits were filed against a total of 745 Internet2 network users. As a result of legal pressure from the courts, lawsuits against other students are expected to continue in the near future.

The latest suits were filed against the names of the three students, who live in East Campus, Next House, and Burton Conner. Each is accused of illegally sharing five copyrighted songs in late September or early October. The songs include work by Foreigner, Michael Jackson, and Xavier.

The visiting students have generated much interest among the students, study says

Survey finds one percent decrease in U.S. graduate student enrollment

Among students affected by Hurricane Katrina prepare to reopen, the 10 displaced undergraduates hosted by MIT this term are also making plans for their next semester. The four seniors will be returning to their normal colleges to graduate, but plans for some of the remaining six are less certain.

MIT waived tuition and fees and provided housing for the visiting students, who came from Loyola, the University of New Orleans, Tulane, and Xavier.

“At this point, [the four seniors] are making plans to return to their home institutions and are generally in contact with their respective advisors in Louisiana,” said Julie B. Norman, associate dean of academic resources. “Now that the seniors’ situations are clarified, I will meet with the other six students to assist as necessary,” Norman said.

While some students are looking forward to returning to their university

Students enjoy MIT experience

Katrina, Page 10

In Spring

By Angelique Sang

By Benjamin P. Gleitzman

As a result of legal pressure from the courts, lawsuits against other students are expected to continue in the near future.

In a round of lawsuits filed on October 26, three MIT dormitory residents were sued by the record industry for copyright infringement. The latest suits were filed against a total of 745 Internet2 network users. As a result of legal pressure from the courts, lawsuits against other students are expected to continue in the near future.
Beast of the East

A rapidly intensifying cyclone will bring miserable weather to the eastern half of the country over the next few days. As we move through air masses in different regions of the storm, our temperatures will vary between Saturday and Thursday. Today we are on the far northeastern edge of the cyclone. As the cyclone center moves closer, we can expect more wind, rain, and storms across the state. We can expect storms to intensify as the cold front moves through, bringing strong winds and cooler temperatures.

Extended Forecast

Today: Rain, possibly heavy rain during the afternoon. High near 50°F (10°C).

Tuesday: Rainy but warmer. High near 65°F (18°C).

Wednesday: Rainy but warmer. High near 65°F (18°C).

Thursday: Rainy and windy. High near 60°F (16°C).

Friday: Sunny and cool with a high near 63°F (17°C).
New Hints About Alito’s Beliefs

By Michael Kranish

THE BOSTON GLOBE

Friday, November 18, 2005

20-Year-Old Document Provides Plan B Before Study’s Completion

By Gardiner Harris

THE NEW YORK TIMES

November 15, 2005

Mass. House Legalizes Sale of Hypodermics

By Scott Helman

THE BOSTON GLOBE

November 5, 2005

Rice Makes Push to End Two-Month Middle East Stalemate About Gaza

By Steven R. Weisman

THE NEW YORK TIMES

November 15, 2005

Medicare Says Bonuses Can Improve Hospital Care

By Reed Abelson

THE NEW YORK TIMES

November 15, 2005

Can Improve Hospital Care
A back-page sports article on Nov. 1 [“As the NBA Season Begins, Spurs, Heat Seem Likely to Lead the East, West”] gave a preview of the NBA season. The column should have attributed the prediction that the Spurs Antonio Spurs would not win 70 games because Coach Gregg Popovich would not let them waste their energy to ESPN.com analyst Marc Stein.

Letters To the Editor

Apple Always Tasty

[Re “Rotten Apples, Nov.”] Ms. Miller has called Apple on this low life battery, yes? There are better life batteries to be had at OtherWorld Computing. I have never heard of such low life on an iPod.

Apple users retain critical judgment and independence of thought, if one visits Mac Web sites where people talk, this can clearly be seen, so may she please refrain from talking about thick-minded Apple groups who like every product that comes along.

But it is true that there is still a strong sense of Apple community. Hopefully, she will derive more satisfaction from her experience with Apple. They have responded to me when I called on them for help or service.

Leonard Issakson

United We Stand

As a Jordanian student studying abroad, it pains me not to be able to march the streets of Amman with my fellow citizens and show my patriotism and love for our country. Although I am halfway across the world I cannot be any prouder of calling myself a Jordanian after seeing the unity of our people in this continuous fight against terrorism. These cowards will only bring the Jordanian people closer to each other in the face of adversity and foreign attacks. To all those families who have lost loved ones, I send my deepest condolences. Our hearts and minds are with you and I assure you that the terrorists will not prevail in these trying times. The martyrs we lost in “Jordan’s 9/11” will not be forgotten and will only strengthen our drive to ensure a safe and prosperous Jordan for generations to come.

Hashem H. Dabbas ’07

Praise for ’07 Writers

I have to say I really appreciated the opinion/campus life articles in Tuesday’s paper, especially those of my fellow ’07ers. Meems, Cahal and Ozer and Ms. Miller. Good stuff; keep ‘em coming.

Also, why’s every letter to the editor have to be some complaint (this one included)? Celebrate the good in life. Yeah.

Aston R. Motes ’07

Editor’s Note

The writer read Stein’s column in the course of his research and failed to properly attribute the statement. The section editor was aware that Stein’s predictions had been used as background, but did not realize the extent of the similarity. In this case, the missing attribution should have been corrected during the editing process.
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Quantitative Opportunities Presentation
Thursday, November 17, 2005
5:30 pm – 6:30 pm
Hotel at MIT

Firmwide Information Session
Thursday, November 17, 2005
6:30 pm – 8:30 pm
Hotel at MIT

Application deadline for summer opportunities: Monday, January 30, 2006

Summer Analyst Interviews
Monday, February 13, 2006
8:00 am
Building 12-170
What’s So Natural About Natural Disasters?

Unnatural Mortality: Poverty and Risk in Epidemics and Natural Disasters
Professor David S. Jones, Program in Science, Technology, and Society

Technological Systems in Disaster
Professor David A. Mindell, Science, Technology and Society, and Engineering Systems Division

Natural Disaster and the Unnatural Bush Response
Professor Meg Jacobs, History

Moderated by Professor Rosalind H. Williams, Director of the Program in Science, Technology, and Society

Tuesday, November 15, 2005
5:00pm - 7:00pm
Kirsch Auditorium
Ray and Maria Stata Center

For information on the symposia series:
http://web.mit.edu/katrina/symposia/

Sophomores! Thinking about spending next year at the other Cambridge? Find out more about the Cambridge-MIT Exchange (CME) program. Talk to the seniors who spent last year at Cambridge.

Information Session
Wednesday, November 16, 4:00 to 5:30 p.m.
Twenty Chimneys in the Student Center

For more information: http://web.mit.edu/cmi/ue/
I have been too busy to notice (and, gee, what are the odds of that), we are in Imminent Collapse. When the Stage Becomes Your World

By Bill Andrews

In case you have been thinking, perhaps you have no idea that it’s so. In the interest of keeping you educated, allow me to tell you about a show takes over your life like a hammy director. Which is a lot.

Perhaps you think I am using that old chestnut of the literary trade, hyperbole? No, no, a thousand times no! From the hamming start at auditions to the grind of the Ensemble went last week, MTG’s going this week, this week, and Gilbert and Sullivan’s coming up; and that’s just the mainstream streams. So, unless you are a complete shut-ins, you are the odd one of that, you probably know someone involved in some way with a show.

And while, statistically speaking, there’s a chance you might be part of a show, you probably WON’T. Why? Because, unfortunately, Murphy’s Law is at work. And what have you done about it. You do what you can with a show, painting it, making it safe (or at least safer), setting up lights, sound effects, microphones, etc., everything. And because you keep popping up, and you can’t plan for them. Of course, he had it tough because he was a lead. That is, you just aren’t talented.

But, lead though I may not be, it’s still a lot of work. Learning lines and songs and putting up posters and everything. Oh sure, that may be the way I got my start, but it gets a little tiresome, I’ve found you young long trips to a basement, you can simply record and playback later. It does have a built in, rechargeable bat-
Trio

Hey, monkey, what gives? What's with all of this rhyming?
It's my love for poetry, its rhythm and its timing.

Wait, did you just rhyme with me?
Yes, indeed I rhymed with thee.
You better cut it out, kid!
Speech bores me without it.
But, it's so annoying! I think you better stop.
A life without poetry?
I think I'd rather drip.

Well, what if I use an un-rhyme-able word?
What if I end on a word such as "orange"?
Un-rhyme-able word?
Such a thing is absurd...
"Cause, my flow's like a drug
and my rose thorn's a syringe.

It's good! 3 points!
Shut up, you.

Epilogue

After studying Environmental Engineering... mmm... in 5 years, I joined a non-profit organization.
Even to gain enough experience to add something new to my resume. I went through many water treatment systems.

I worked on a system related to water and wastewater treatment, so I passed my tests, paying minutes until I grabbed my books... I came back and lived in the Indian village. The dead in my area clearly makes me understand better.

I kid about getting a course in water, but I set aside that book and never looked into it. I work with risks that are fun anyway. So, I doubt there even exists a green task. I make 80% plus commission, I live in a Chicago high-rise, and the suite at teaching the world...

The world is pulled by the fact that I'll be at 15.

Go home, kids. Go home.

My friend

Moons of Uranus

Movies

The movie was horrible!
And so was the dialogue!
I'm never going back!

Why don't you get the facts cutta my face?

What did you say!
Where's your manager!

Emo, did you really say that to this customer?

You're fired.

Haha, you've just been fired.

Now can I get a bobby pin?

Folk-Singing Crocodile

Schleminkel
THE TECH
November 15, 2005

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New Orleans Colleges Offer Additional Term

Katrina, from Page 1

been amazing,” said Dorothy A. Hernandez ’07, who has already regis-
tered for classes at Tulane next sem-
ster. “As excited as I am to return to Tulane, I will be sad to leave and will miss the friends I have made in the MIT community.”

Universities offer extra term

Loyola, Xavier, and Tulane will each be offering an extra semester, to help students catch up on their credits, especially for graduation, Norman said.

The University of New Orleans was hit the hardest out of the four schools, and all employees are work-
ing at remote locations as the cam-
pus is restored. “Remediation work is in full progress on the campus,” Norman said.

Alton A. Torregano ’07, from UNO, said he is especially concerned about housing at UNO. “I don’t have anywhere to stay,” Torregano said.

Almost all the housing immediately surrounding the university is unavailable.”

The director of student housing at UNO has indicated that Bien-
ville Hall, UNO’s traditional resi-
dence hall, should be operational for spring, Norman said. Torregano said he will know officially from MIT in the coming weeks whether he has the option of remaining next term.

Candidate Total

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hochschild-Serre Spectral Sequence</td>
<td>$184.00</td>
</tr>
<tr>
<td>George M. Eng ’06</td>
<td>$119.21</td>
</tr>
<tr>
<td>Osman Z. Welling ’08</td>
<td>$84.29</td>
</tr>
<tr>
<td>East Campus Water Slide</td>
<td>$41.62</td>
</tr>
<tr>
<td>Michael Shaw ’07</td>
<td>$32.16</td>
</tr>
<tr>
<td>Your Mom</td>
<td>$26.64</td>
</tr>
<tr>
<td>Brandon S. Moore ’09</td>
<td>$18.34</td>
</tr>
<tr>
<td>Write-ins</td>
<td>$17.64</td>
</tr>
<tr>
<td>Max Power</td>
<td>$9.38</td>
</tr>
</tbody>
</table>

Winners for Alpha Phi Omega’s Ultimate Manifestation of Kore (UM0K) contest were announced last week. The total amount do-

ed in the UM0K competition was $533.28, which goes to the winner’s charity, UNICEF, toward Paki-
stan earthquake relief.

Final Results from UM0K Competition

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• All matter particles consist of a small composite particle made of ether gas particles. The composite particle moves at the speed of light and at rest it has a circular orbit. Photon “mass” can be coupled to the composite particle at the speed of light to cause it to accelerate. Part of the “mass” is scattered and part is captured giving the result that the matter particle mass grows as given by:

\[ m = m_0 \sqrt{1 - \left(\frac{v}{c}\right)^2} \]

where “\( m_0 \)” is the matter particle mass at velocity “\( v \),” “\( m \)” is the rest mass, and “\( c \)” is the speed of light.

• The composite particle initial circular path is changed to an elliptic path with a minor axis smaller than the circular radius by the factor

\[ \frac{a}{b} = \sqrt{1 - \left(\frac{v}{c}\right)^2} \]

• The composite particle elliptic path has an orbital period \( \frac{1}{\sqrt{1 - \left(\frac{v}{c}\right)^2}} \) times the period when at rest.

• Thus, mass growth, matter shortening, and time dilation predicted by this Newtonian Theory is the same as that predicted by Einstein’s Special Theory of Relativity.

For more information and to access the book, visit [www.physicsunifiedtheory.com](http://www.physicsunifiedtheory.com)
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This space donated by The Tech
MIT Startup Garners Contract From DoD

Nanotech, from Page 1

ing Karen K. Gleason '82 is working with a team researching chemical vapor deposition to create water repellant fabrics that would reduce the weight of condensed moisture on a soldier's clothing.

In a similar vein, Robert S. Langer ScD '74, professor of chemical and biomedical engineering, is creating “switchable surfaces” that would undergo a change in properties, such as from hydrophilic to hydrophobic, in response to an outside stimulus.

Among the many research experiments being conducted by the ISN, long-term projects such as implementation of carbon nanotubes, which exhibit extraordinary strength and unique electrical properties, have elicited much excitement from the scientific community. Thomas called the nanotube, which has multiple applications ranging from combat jackets to artificial muscles, the “poster child for nanotechnology.”

Another appealing aspect of the ISN is the Soldier Design Competition, sponsored in part by Raytheon, Boeing, and the Science Applications International Corporation. The competition, which pits students from MIT and the U.S. Military Academy against real world design issues, offers a total of $16,000 in prize money to the to six teams. SDC, now in its third year, has seen a number of successes, including the formation of RallyPoint. RallyPoint, a startup company composed of three MIT students and an MIT lecturer, recently received a Business Innovative Research grant from the Department of Defense. Tony L. Liau ’06, and David D. Lin ’06 are majoring in materials science and engineering, and our professors have been very supportive,” said Lin, who is majoring in materials science and took a semester off to co-develop RallyPoint.

“Everything you do is actually a learning experience,” said Liau, also majoring in Materials Science. “We have been through so many critical challenges that it is hard to believe it has only been two years.”

Only about four percent of small businesses that apply for the Small Business Innovative Research grant are accepted into Phase II of the program, placing the members of RallyPoint in a select group.

“We knew there were a lot of things against us,” continued Liau, “we had to deal with the issue of credibility and convince others that our product would be usable.”

RallyPoint’s founders expressed a desire to give back to the MIT community that allowed for the creation of a product that may help firefighters, police officers, and soldiers perform their duty in a more efficient manner.

Other research projects through the ISN include energy absorbing materials, chemical and biological weapons sensing and counteraction, remote systems monitoring, and innovative materials for soldier systems.

More information about the Institute for Soldier Nanotechnologies as well as the Soldier Design Competition can be found at http://web.mit.edu/isis/.

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Proposal Would Raise Regulation of Biolabs

By Stephen Smith THE BOSTON GLOBE

Boston public health authorities will propose swelling new safety regulations governing more than 1,000 research laboratories working with dangerous germs in universities, hospitals, and biotechnology companies across the city.

The proposed rules would for the first time require labs studying biological agents to receive safety permits for every site and would also break ground by mandating that neighborhood representatives sit on internal safety boards. Regular inspections of labs by internal reviewers and by a city inspector would also be ordered.

Facilities working with especially potent viruses and bacteria, including those that have been labeled pandemic, would have to list a full of those materials to city health authorities, as well as an explanation of the research. Until now, only the federal government had access to such sensitive information.

The proposal represents a significant expansion of lab regulation. Until now, city and state governments have usually become involved in research practices only if something went seriously wrong. Researchers must provide documentation of safety practices when they seek federal grants, but no special federal opening permits are necessary.

Boston public health authorities said that after examining lab regulations in other cities, they concluded that their proposal would constitute the most stringent municipal regulation of biological research in the nation.

“This does seem to be an important time to guarantee that laboratories that are increasing in the city and around the country are operating at the optimal safety level,” said John Auerbach, executive director of the Boston Public Health Commission.

The proposed rules emerge 10 months after public disclosure that three Boston University scientists had failed while working with tularemia, a lethal bacterium. City health authorities acknowledged Monday that the proposal is a direct response to the tularemia exposures, as well as long-festering concerns from neighbors about the developement of a high-security lab at BU where scientists would be capable of working with some of the world’s deadliest germs.

“This will give us some standards to make sure these labs are being monitored,” Boston Mayor Thomas M. Menino said. “These regulations say to the country and about the safety of the community.”

The proposal represents six months of work by an eight-member laboratory safety panel that was convened by public health authorities earlier this year after the tularemia exposures became public. The panel included laboratory safety specialists from Harvard University and MIT.

The regulations must be approved by the Boston Public Health Commission before they can take effect. The commission, along with research institutions, will get a first look at the proposal Tuesday afternoon.

University and hospital representatives contacted Monday night either had no comment or said their institutions would defer making statements until the rules had been formally presented.

Public health officials said Monday night it was unclear how much compliance with the proposed regulations would cost research institutions. The overwhelming majority of labs covered by the proposal are at the city’s research universities and hospitals.

Klare Allen, the leader of an organization that opposes BU’s planned high-security lab, characterized the proposed rules as “a great first step. It’s something that should have been in place a long time ago.”

“If they were being inspected all along, then the scientists wouldn’t be hurting themselves,” said Allen, president of Safety Net, a group that monitors research involving the lives of Roxbury residents.

But Allen said she doubted the regulations would allay concerns about the Biosafety Level 4 lab that BU intends to build on its South End medical campus. Scientists in that lab will research vaccines and treatments against deadly illnesses such as ebola, plague, and, potentially, avian influenza.

The city had previously regulated a select group of labs doing specialized research involving DNA transplants from one organism to another. The proposed rules greatly extend that oversight, Auerbach said.

Auerbach said fears that bioterrorism could ignite a global pandemic, as humans had demonstrated the importance of studying such pathogens — as well as the danger.

“We’ve come to understand as a public health commission the importance of the work in high level laboratories,” Auerbach said.

The proposal focuses in detail on the operation of internal panels at research facilities known as institutional biosafety committees. Those boards are charged with making sure that scientists abide by safety procedures designed to protect them and the public.

But the rigor of those committees varies institution to institution. The proposal being presented to the Public Health Commission would attempt to establish greater uniformity.

“The proposed regulations strengthen and broaden the responsibilities of the institutional biosafety committees,” Auerbach said.

The safety panels, for example, would be required to report to high-level officials within universities and hospitals, a measure designed to give them real power. The panels would also be ordered to have annual meetings for the public, where research would be discussed, and they would be required to include at least one member of the public as a permanent member.

The Public Health Commission would have to approve the public member nominated by the institution.

“There was a concern about the importance of having greater transparency,” Auerbach said. “And we really want to guarantee that there’s an independent, public voice and that the voice is from the areas surrounding the laboratories.”

Institutions would not receive a permit from the city to operate labs unless they were abiding by the rules on internal safety boards. Those permits, Auerbach said, would be good for three years.

As a further guarantee of increased oversight, the institutional biosafety committees would have to conduct inspections at least once a year at lower-security labs and at least twice a year at higher-level labs. Such internal reviews are already mandatory at many research institutions.

The city is also close to hiring its first laboratory safety officer, who would monitor compliance and request to research facilities to ensure that they’re operating safely. Violations of the new regulations could result in fines as high as $1,000 a day per violation.

When the tularemia exposures were made public in January, health authorities conceded that they did not have a process in place for monitoring labs working with the most dangerous germs. The proposed regulations aim to change that by requiring scientists to report the details of any kind of research.

Auerbach said the city would adopt measures to assure that information about sensitive research is “protected under the highest level of security.”

The proposed rules also include a shield of protection for whistleblowers who would want to provide information about troubling practices in labs.
The number of foreign students enrolled in American universities declined slightly in the 2004–5 academic year, according to a survey released yesterday, suggesting that a more significant drop that took place in the aftermath of the terrorist attacks in 2001 might be abating.

About 565,000 students from foreign countries were studying in undergraduate and graduate programs at American universities, a decline of 1 percent from the previous academic year, according to an annual survey by the Institute of International Education that was financed by the State Department.

A survey released by the organization last year showed that foreign student enrollment had declined by 2.4 percent in the 2003–4 academic year, the first decrease in foreign students in three decades.

A related survey released last week by the Council of Graduate Schools showed that the number of international students entering American graduate schools increased 1 percent this year. The report was based on a survey of a sample of graduate institutions.

University officials have offered several reasons for the drop in foreign students after 2001, including difficulties students have experienced in obtaining visas, especially in scientific and technical fields, and the increased cost of tuition. There has also been more competition from universities in Britain, Australia and New Zealand, as well as a significant expansion in the capacity of universities in India and China.

India, with more than 80,000 students, and China, with more than 62,000, send the largest number of students to American universities, the Institute of International Education survey found. Many students from South Korea, Japan, Canada and Taiwan are also enrolled here.

A growing number of American students are studying abroad, the institute also reported. The number increased 9.6 percent in the 2003–4 academic year, the institute found, after growing by 8.5 percent the previous year. More than 191,000 Americans are studying for academic credit in international universities, with notable increases in China and India.

Foreign students in the United States spend about $13.3 billion in tuition, living expenses and related costs. In many schools they account for the majority of graduate students in science and engineering.
Who should use mental health services?

Any student who is having troubles with stress, substance abuse, or mental health issues, should feel free to come to the mental health service at MIT Medical. Typical mental health issues include difficulties with relationships, family stresses, school stresses, break-ups, anxiety or worry, questions about sexual identity, eating issues and depression. Often these things are affecting the student’s ability to do his or her school work or enjoy things that usually are a source of pleasure.

What services does the MIT Mental Health Service provide?

MIT Mental Health Service works with individuals, couples, groups, and families. Services include evaluation, treatment (both psychotherapy and psychopharmacology), referrals, and urgent care. The Mental Health Service staff is comprised of a diverse group of clinicians from different disciplines and different approaches to psychotherapy including psychodynamic and cognitive behavioral therapy. The Mental Health Service offers many different therapy, support, and discussion groups. Mental health clinicians will listen to the needs of students, discuss the various types of treatment available, and make appropriate recommendations.

Is everything in a mental health visit really 100% confidential?

Everything that a student tells a mental health clinician is privileged information. This means that the information cannot be given to any other person without their permission. There are a few exceptions: 1) if the student is in serious danger of harming his or herself or someone else, then the clinician can notify other people in order to prevent harm; 2) if the student is involved in the abuse or neglect of a child or an elderly person, then the clinician is mandated to inform the appropriate agency.

MIT Mental Health Service

MIT Medical, E23-3rd Floor
For appointments and information (617) 253-2916
Walk-in hours 2–4 pm, Monday–Friday for urgent matters
Switching Colleges Often Hurts Students

By Karen W. Arenson

A new survey has found that it is common for college students to switch schools or to take courses at more than one school, and that such peripatetic students are less engaged in the intellectual and social life of their campuses.

The annual report, the National Survey of Student Engagement, found that transfer students were less likely to work with professors on research projects, to participate in community service or to engage in other activities that enrich learning.

Student services at nearby community colleges to help them be academically self-supporting, and that college had learning experiences would give colleges a better understanding of what was happening on their campuses.

“This project began as an antidote to the U.S. News ratings and other college rankings,” Dr. Kuh said. “Those rankings are the only way to do with prestige. But they have nothing to do with what happens to students.”

The general results of the survey are made public. But the individual, campus-by-campus results are given only to those colleges.

“Most of the students who are doing this are doing it to better themselves,” said George D. Kuh, the survey’s director and a professor of education.

Some 237,000 students at 528 four-year colleges and universities participated in this year’s survey, known as Nessie.

Nearly half said it allowed them to take courses at multiple campuses said they did so for a variety of reasons. Nearly half said it allowed them to complete their degree requirements sooner. Slightly more than a fifth said it gave them a better course schedule. And 17 percent said it let them take easier courses.

That study said that nearly 60 percent of the students who graduated from high school in 1992 attended more than one college, up from 47 percent 25 years earlier.

Dr. Adelman also found that of those at other institutions. These findings helped drive a revamping of the program for first-year students, including replacing a long-standing required lecture course, Liberal Studies I, with 50 freshman seminars.

Philip A. Glotzbach, Skidmore’s president, said the Nessie survey showed that the course “wasn’t doing its job of introducing students to college-level work and wasn’t challenging them and getting them excited.”

This was the first year that the survey delved into campus-hopping, a phenomenon known as swivel. Dr. Kuh said he was struck by its extent and its impact.

“The numbers are huge and growing,” he said, adding that “there are all sorts of psycho-social issues when students move around, as well as questions of intellectual coherence to what they study.”

The report reinforced the findings of a study by Clifton Adelman, a senior research analyst at the Department of Education, released last year, that reported that college hopping had grown substantially.

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Dr. Adelman also found that of those students who started in a four-year college and earned a bachelor’s degree, 20 percent earned it at a college different from the one where they started, and one-tenth received their degrees in a state different from the one where they started college.

Dr. Kuh said that some colleges were seeking ways to improve how they oriented transfer students and introduced them to the opportunities on campus, but that it was not easy.

Frank E. Ross, an assistant vice chancellor at Indiana University-Purdue University Indianapolis, said Nessie’s findings about transfer students being less engaged accurately describes the experiences on his campus, which had been trying to figure out how to include them better.

“Myself,” he said, “as well as can be expected.”

“I am interested,” he said, “in how to include them.”

In August, the university created a new position, coordinator of transfer student services, to address the needs of these students. And this year, for the first time, it invited students starting at nearby community colleges to join the orientation for freshmen, to show them what was available and to motivate them.

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Women's Ice Hockey Team Suffers 10-0, 12-0 Defeats

By Mindy Brauer

The MIT women's ice hockey team dropped its first two ECAC East contests of the season, falling by a margin of 10-0 to New England College on Friday night, and by a margin of 12-0 to Saint Anselm on Saturday.

On Friday, Elizabeth Ross tallied five assists and a goal for a game-high six points as the New England College Pilgrims improved to 2-1-0 on the year and also in conference play.

Kirsten Mackenzie put NEC on the scoreboard 4:13 into the contest by connecting on feeds from Ross and Erin Shepard during a power play. Shauna Pieres extended the lead less than two minutes later on passes from Jaime Collins and Katrina George. Ross posted a goal at the 7:02 mark and then set-up Mackenzie for a goal seven minutes later. George gave the Pilgrims a 5-0 lead after 2:19 had elapsed in the final frame. Collins notched an unassisted goal and a goal by Tracey off a feed from Ross closed out the scoring for NEC.

In the net, Simpson collected 52 saves for the Engineers while Aiello made 13 stops for the Pilgrims.

Kretzman with 15 seconds left on the clock.

In goal, Shauna J. Moran '06 collected 45 saves for MIT. Andrea Berlin made two saves during this period of action for Saint Anselm, while Clarke stopped one shot in the third period. The next game for MIT will be on Saturday, Nov. 19 when it hosts the College of the Holy Cross at 3:00 p.m.

Extra Effort Pays Off for Kilpatrick, Mancuso

By Mindy Brauer

Football, from Page 20

pressure on him." All that pressure seemed to bring about the best in Mancuso, especially in his 387-yard, four touchdown game against Nicholas College. This performance earned him a Boston Globe Gold Helmet award, arguably the region's top weekly honor in football, making him only the third Gold Helmet recipient in Tech history, and first in the last 10 years. He also earned a mention as a Division III National Player of the Week by connecting on feeds from Ross and Erin Shepard during a power play. Shauna Pieres extended the lead less than two minutes later on passes from Jaime Collins and Katrina George. Ross posted a goal at the 7:02 mark and then set-up Mackenzie for a goal seven minutes later. George gave the Pilgrims a 5-0 lead after 2:19 had elapsed in the final frame. Collins notched an unassisted goal and a goal by Tracey off a feed from Ross closed out the scoring for NEC.

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Volleyball finishes 29-9 season with second round NCAA loss

SUSPENSION OF OWENS BY THE EAGLES

Dear Terrell Owens,

I understand that you just did not want to be second class contenders, but our records right now look great getting ready for the playoff run.

Thanks again.

Dear Terrell Owens,

Thank you for calling the Tech. You are welcome.

Debra Tate,

The San Francisco 49ers

Dear Terrell Owens,

Thank you for not joining the Ravens. Had you come to this team, we would have been the laughstock of the NFL right now. Thanks for whining to the NFL and getting yourself routed to the Philadelphia Eagles instead. At the time, I might have thought that it was a terrible situation for us. However, I have since understood that you just did not want to make the Baltimore Ravens a circus team. We appreciate your reconsideration.

Your former friend,

Ray Lewis

Dear Terrell Owens,

Thank you for stopping us before causing a real ruckus in San Francisco. I thought that your problems with Jeff Garcia would be the end of this organization. True, we did take a major hit back then, but I think overall, we are a better ball club without you. We appreciate the way you carried yourself, or, if we might be in the difficult contract situation that Philadelphia is in right now.

Best of luck,

The San Francisco 49ers

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From Concept to Business


Two T-stops away in Harvard Square.

Contact: MIT@cambridgelink.com
SPORTS

Women’s Volleyball Beaten 3-1 By Colby in NCAA Tournament

By Caitlin Murray

Despite our reputation, there are those at MIT who crave the sports fever and school spirit so commonplace at other colleges. For the “Superfans” who attended the season’s last match, the NCAA Division III volleyball tournament where MIT played Colby College, it was a chance to enjoy just that.

A small, devoted cadre of 25 MIT fans sat amidst a screaming throng of 450 Colby College undergraduates, family, and alumni. Although Tech fans — including a member of the men’s volleyball team sporting paint on his chest and a volleyball as a hat — held their own, the noise in the gymnasium was enough to unnerve even the fourth-seeded, 29-9 MIT volleyball team.

The second game looked to be a repeat of the first, as the Mules took the lead quickly on Kendall Kirby’s serve. With two aces and two short volleys off her serve, Kirby got Colby off to a 4-0 start early in the game. Missed blocks, net faults, short serves, and long balls increased their lead to a nearly uncontrollable eight points at 12-4.

At that point, however, the Engineers began to get their rhythm back. Midway through the second game, Colby fans began heckling the server. The Chants seemed to have the opposite effect, focusing the Engineers as they went to serve. The number of bad serves dropped dramatically.

As the Colby crowd bellowed, the Engineers began to play the kicking. Zimmerman’s kill to the back corner, a couple of kills and blocks by

MIT Sport Taekwondo Easily Tops Cornell in Weekend Tournament

By Bobby Ren

The MIT Sport Taekwondo team went to Ithaca this past Saturday to compete in their second tournament of the season. The tournament was hosted by rival Cornell, and attended by 13 schools from the Ivy Northeast Collegiate Taekwondo League (INCTL). With the momentum of their victory at the MIT tournament behind them, the Sport Taekwondo team dominated again, this time winning by an even larger margin. MIT’s final score of 634 more than doubled the second place finisher, Cornell, who had 268.

One of the highlights of the tournament was a dual victory by the Women’s A2 teams in sparring. After defeating West Point, Renee R. Chen ’07 and Sharon A. Lawrence ’07 (Women’s A2) met up with Alissa Y. Zhu ’06, Erica V. Chan ’07, and Rosanna J. Pike ’07 (Women’s A1) in the finals, where they took the silver and gold, respectively. This was the second time this season that MIT’s women’s teams have taken these top two spots.

Football’s Kilpatrick, Mancuso Quietly Set Records

By Albert Ni

The end of October marked the close of a respectable season for MIT football as the Engineers managed to win one of their six games and achieve a fourth place finish in the seven-team Ivy League. The New England Football Conference (NEFC) East also marked the end of an era, and the beginning of another, as numerous Institute records were set, mostly by senior wide receiver Thomas J. Kilpatrick ’06 and quarterback Richard A. Mancuso ’09.

After a fourth consecutive solid campaign, Kilpatrick established himself as the most prolific receiver at MIT history. His career totals of 1,486 receptions for 1,382 yards and 36 yards also walk away from Engineer football with records for the most receiving yards in a season (971 in 2003), and fittingly, he also completed 25 passes, an MIT record of 291 yards. In that game, he also completed 25 passes, an MIT record of 291 yards. In that game, Mancuso set Tech’s single season passing mark with 1,587 yards, as well as the single game mark with 387 yards against Nichols College, shattering the old record of 291 yards. In that game, he completed 25 passes, an MIT single game record, and had four touchdown passes, tying a record as well.

Mancuso echoed the sentiment, “I’m real glad to have been a part of it.”

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Kilpatrick played in 2001, 2002, and 2003 before electing to go to Japan last year. While attrition is generally high due to the demanding academics at MIT, rejoicing the team this year was a no-brainer for him. “When I think back, I’ve played with some great players, and these guys have been some of my closest friends,” Kilpatrick said. “I’m real glad to have been a part of it.”

Mancuso echoed the sentiment, “I’m just glad Tom came back to get his fourth year,” Mancuso said. “He could have just said ‘I played my years here, and I’m done.’”

While Kilpatrick was in the starting lineup from day one, the fate of Mancuso’s season was up in the air due to an injury suffered in high school. Knowing the hard work put into rehabilitation made the season’s successes all the sweeter for Mancuso, so, “I feel like I’ve been given what athletes dream of, that’s a second chance.”

“Rick did a great job this year,” remarked Kilpatrick. “He got hurt real bad his senior year in high school, and I was afraid he wasn’t going to be able to come back this year. We had some injuries in the running game, putting even more pressure and preach team goals, proof of the team-oriented mindset instilled by Coach Dwight Smith. “We had something Coach Smith said all year, which was that we had to win our individual one on one record. We won that record in just everybody on the team winning their one on one battle.”

“The records mean a lot, but I like to emphasize football as a team sport,” said Kilpatrick. “A lot of credit goes to my teammates. I’ve played with five quarterbacks and a lot of credit goes to the QB’s line-

With Owens Suspended, Others Should Give Thanks

By Yongyi Zhu

With Thanksgiving coming up soon, I would like to take the time to send out some thank yous to various people around the MIT community. This time, they are directed at Terrell Owens, the wide receiver who was recently suspended by the Philadelphia Eagles after an interview in which he criticized the Eagles for not recognizing his accomplishments. He also has complained all season long about a contract renegotiation one year into a long-term contract. Here are some sample letters that I found. As you can see, Owens has affected many people years ago.

Column

Dear Terrell Owens,

Thank you for making me look like an absolute hero. Right now, my Giants are on top of the NFC East and loving every minute of it. With the Eagles not in the forefront of the playoff picture, I can raid my Giants to the NFC East Divisional Lead. Had you been there, the Giants would not be at the top of the division, and I would not be nearly as big of a story as I am now.

Sincerely,

El Manning

Dear Terrell Owens,

Thank you for making the NFC

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November 15, 2005

THE TECH

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