Overenrolled 3.091 Will Remain In 10-250 But Stream to 26-100

By Valery K. Brobbey

With students in 3.091 (Introduction to Solid-State Chemistry) outnumbering seats in 10-250, where the subject is traditionally taught, course administrators have decided to add live video streaming of the lectures on the bigger 26-100.

There are currently 570 students enrolled in 3.091, but 10-250 only has 450 seats, according to Christoper D. DiGuarida of the Registrar’s Office.

In prior years when course enrollment spiked, 3.091 Professor Donald R. Sadoway said that he taught a 1 p.m. lecture in addition to the 11 a.m. lecture. It was very exhausting because he had to give a second lecture and make two different tests of equal difficulty that covered the same material.

Another solution would have been to move lectures for the class to the larger 26-100, which seats 566, but that room “is not a pleasant place to teach in,” said Sadoway. He said he thinks it is hard to engage the students in 26-100 because there is a “big gulf between where the professor stands and the front row,” there is limited board space, and “audio visual facilities are way behind the time.”

Room 10-250 fills up at about 11:02 a.m., three minutes before the lecture is due to begin.

3.091, Page 15

Biodiesel@MIT Delayed in Winching Energy Challenge

By Ryan Ko

After a six-month delay, the Biodiesel@MIT team received their $25,000 winnings on Sept. 14 from General Electric and mtvU for their Popular Introductory Solid State Chemistry class exceed 10-250’s 450-person capacity, so some students must attend a video lecture.

Benjamin M. Judge ’11 listens to a 3.091 lecture in 26-100. The570 students in Professor Donald R. Sadoway’s popular introductory solid state chemistry class exceed 10-250’s 450-person capacity, so some students must attend a video lecture.

In Short

This month’s faculty meeting is tomorrow, Sept. 19, 3:30-5:30 p.m. in 32-D. The agenda includes a discussion of MIT’s 2007-08 initiatives, a report from the Initiative on Faculty and Diversity (Prof. Paula T. Hammond, chair), and the usual Topics and Questions. Open to the MIT community.

Career Fair is Thursday in John- son Athletic Center, sponsored by the class of ’08, DSC, and SWF.

The final exam schedule comes out on Thursday. See http://web.mit.edu/registrar for details.

Send news information and tips to news@tech.mit.edu.

Freshman Class FEE, Math Diagnostic, ASE Results Don’t Surprise

By Natasha Plotkin

Freshmen in the Class of 2011 faced comparably to last year’s freshmen on the Freshman Essay Evaluation, Advanced Standing Exams, and Math Diagnostic for Physics Placement.

With the exception of Advanced Placement Biology credit which is no longer being accepted in place of the introductory biology course, this year’s freshmen also earned similar amounts of AP credit for passing out of General Institute Requirements. (See tables on pages 1 and 17.)

For the first time, math diagnostic exams were not used only as recommendations for freshmen enrollment in 8.01, 8.012, or 8.01L (Physics I) but also as a way to determine which freshmen were given spots in 8.012.

This year, the number of seats available for the 8.012 lecture limited how many students could enroll in the class to approximately 150, said Physics Academic Administrator Brian E. Canavan. The 8.012 lecture takes place in 6-120 not because of a lack of larger rooms, Canavan said, but rather because the physics department wanted to teach the class in a lecture hall close to where equipment for class demonstrations are stored.

To determine which freshmen would be given spots in 8.012, freshmen interested in the course were ordered by their math diagnostic scores, and the 17 freshmen with the lowest scores — scores in the mid ’70s and below — were put on a waitlist for the class, Canavan said.

Freshman Tests, Page 17

Results of Freshman Essay Evaluation

<table>
<thead>
<tr>
<th>Class of</th>
<th>HASS Class</th>
<th>2011</th>
<th>2010</th>
<th>2009</th>
<th>2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEE</td>
<td>CEE</td>
<td>50%</td>
<td>51%</td>
<td>52%</td>
<td>53%</td>
</tr>
<tr>
<td>CM-HW</td>
<td>required</td>
<td>32%</td>
<td>33%</td>
<td>36%</td>
<td>35%</td>
</tr>
<tr>
<td>CM-HW</td>
<td>required</td>
<td>50%</td>
<td>50%</td>
<td>50%</td>
<td>50%</td>
</tr>
<tr>
<td>number of students</td>
<td>who took the FEE</td>
<td>849</td>
<td>802</td>
<td>775</td>
<td>901</td>
</tr>
</tbody>
</table>

A total of 849 students in the Class of 2011 took the FEE; 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.

PDSI Construction Nears Completion; Buildings Consolidate Physics Dept.

By Yan Huang

The construction of a new physics building that will unify the departments is currently under renovation of Buildings 2, 4, 6, and 8, numbering seats in 10-250, where the subject is traditionally taught, course administrators have decided to add live video streaming of the lectures on the bigger 26-100.

The contamination problems are also expected to raise the final cost of the building above the originally allocated number of $50 million. Pavlinic said.

The money, it had been received by the team on time, would not have been spent over the summer anyway. Roy-Mayhew said, because the team was yet to secure a suitable location for the processor. The biodiesel processor requires 25 square feet of space, cold running water, electricity, and preferably access to a sewer. “We submitted four promising sites to the Committee for the Review of Solid-State Chemistry” out of 13 sites, Sadoway said.

The contamination problems are also expected to raise the final cost of the building above the originally allocated number of around $50 million, Pavlinic said.

Minor tasks remaining will be finished at time for the opening celebration at 3:30 p.m. in the new building, GC, on Oct. 5, 2007.

The construction project consolidated the Department of Physics, which had been spread over 13 buildings, into the new building 6C and neighboring buildings.

In a move of “unprecedented cooperation” between departments, the administrative offices for the Department of Materials Science and Engineering and for the Department of Physics swapped places as part of the project, said Sean P. Robinson, space and renovation manager for the Department of Physics.

The new physics headquarters is now located in the third floor of Building 8 and Materials Science and Engineering headquarters is on the first floor of Building 6.

The Spectroscopy Laboratory

PDSSI, Page 18

MIT’s newest building, 6C, is integrated with the rest of the Main Group buildings through an atrium full of footbridges.
Massachusetts to Consider Three Casinos
By Katie Zazima
THE NEW YORK TIMES

Gov. Deval L. Patrick unveiled a proposal on Monday to allow three resort casinos in Massachusetts. The revenues, he said, would help the commonwealth pay for road and bridge and repair, and provide property tax relief to homeowners.

If the state Legislature approves the plan, the casinos would be built in the metropolitan Boston area and in western and southeastern Massachusetts. Officials said they would generate $400 million in annual revenue for the state and create 20,000 permanent jobs by 2012.

"This is neither a first step all the way to the end of civilization," Mr. Patrick said at a news conference. "On balance, however, and under certain conditions, I believe resort casinos can and will work well in and for the Commonwealth."

Nationally, more and more states are turning to casinos as a source of revenue.

In April, Gov. Kathleen Sebelius of Kansas signed a law allowing up to four state-owned resort-style casinos. In February, Gov. Eliot Spitzer of New York approved plans for a $600 million casino in the Catskills to be run by the St. Regis Mohawk tribe. Last year, Pennsylvania approved the construction of 11 slots-only casinos.

IBM Challenges Microsoft With Free Software
By Steve Lohr
THE NEW YORK TIMES

IBM said on Monday to mount its most ambitious challenge in years to Microsoft's dominance of personal computer software, by offering free programs for word processing, spreadsheets and presentations.

The company is announcing the desktop software, called IBM Lotus Symphony, at an event on Tuesday in New York. The programs will be available for free during the next 12 months.

IBM's Lotus-branded proprietary programs already compete with Microsoft products for e-mail, messaging and group work collaboration. But the Symphony software is a free alternative to Microsoft's mainstream Office programs — Word, Excel and PowerPoint. The Office business is huge and lucrative for Microsoft, second only to its Windows operating system as a profit maker.

In the 1990s, IBM failed to compete head-on with Microsoft in personal computer software with its OS/2 operating system and its SmartSuite office productivity programs.

IBM is taking a different approach this time. Its offerings are versions of open-source software developed in a consortium called Ope nOffice.org.

Times to Stop Charging For Parts of Its Web Site
THE NEW YORK TIMES

The New York Times will stop charging for access to parts of its Web site, effective at midnight on Monday, reflecting a growing view in the industry that subscription fees cannot outweigh the potential advertising revenue from increased traffic on a free site.

The Times will drop two years to the day after the Times began the subscription program, TimesSelect, which has charged $49.95 a year, or $7.95 a month, for access to columns and to the newspaper's archives. TimesSelect has been free to print subscribers to The Times, and to some students and educators.

The Times will start offering some of its articles to everyone, just as all other readers, The Times will also make available its archives from 1987 to the present without charge, until 1992, when they are in the public domain. There will be charges for some material from the period 1923 to 1986, and some will be free.

Baghdad Bans U.S. Contractor After Gunfire Kills Eight Iraqis
By Sabrina Tavernise
THE NEW YORK TIMES

Blackwater guards in the diplomatic motorcade had caused any of the deaths. Bombs were going off in the afternoon, and shots were fired at the convoy, American officials said.

"There was a firefight," said Sean McCormack, the principal State Department spokesman. "We believe some innocent life was lost. Nobody wants to see that. But I can't tell you who was responsible for that."

The deaths struck a nerve with Iraqis, who say that private security firms are often quick to shoot and are rarely held responsible for their actions. A law issued by the American authority in Iraq before the United States handed over sovereignty to Iraqis, Order No. 17, gives the company immunity from Iraqi law. A senior official said that in Baghdad on Monday night that the order, issued in 2004, had never been overturned. Like others, he spoke on the condition of anonymity because the matter remains under official inquiry.

Senior officials, including Prime Minister Nouri al-Maliki, had expressed outrage.

"This is a big crime that we can't stay silent in front of," said Jawad al-Bolani, the interior minister, in a televised address on Monday. "Anybody who wants to have good relations with Iraqis has to respect Iraqis. We apply the law and are committed to it."

Secretary of State Condoleezza Rice called al-Maliki on Monday afternoon to express her regret "over the death of innocent civilians that occurred during the attack on an embas sy convoy," said Tom Casey, another State Department spokesman.

Al-Maliki's office said Rice had pledged to "take immediate steps to show the United States' willingness to prevent such actions."

All I want is the material we need to ask some questions about the for mer attorney general's conduct, on torture and warrantless wiretapping, so we can legitimately ask, 'Here's what was done in the past, what will you do?'" Leahy, the chairman of the Judiciary Committee, which will hold Mukasey's confirmation hearings, told reporters.

"Whether that is a negotiating tac tric, or a threat that could turn into an all-out battle, is unclear on Mon day. But Leahy did say he had told the White House counsel, Fred Field ing, that the nomination could not go forward without the information, and that "cooperation with the White House would be central" to scheduling hearings.

Schumer, for his part, seemed on Monday to take on the role of me diator between Leahy and the White House. On Sunday, Schumer — who first floated Mukasey's name with the White House as a potential Su preme Court nominee four years ago — praised Mukasey as a potential "consensus nominee." On Monday, he said he had told Fielding that the White House would have to resolve Leahy's concerns.

Weather
Situation for Noon Eastern Daylight Time, Tuesday, September 18, 2007

A Place in the Sun
By Mike Yoe

After this past weekend's cooler weather, we can expect temperatures to rise for the next few days. A high pressure system is keeping the New Eng land skies clear, so look forward to plenty of sun on this beautiful September afternoon. The lack of cloud cover and subsequent radiation cooling will con tribute to an overnight low in the lower 50°F.

While we bask in the pleasant weather, storms are brewing elsewhere in the country. A cold front cuts across the upper Midwest, accompanied by moderate rainfall and scattered thunderstorms around the Great Lakes. As the week progresses, the system will be swept north and east, moving into Canada and leaving the scene.

For the near future, high pressure will remain over the New England region, prolonging our current state of fair weather. The warming trend will continue through Wednesday, resulting in a daytime high in the low 70°F.

Another brisk night will give way to a balmy Thursday, when temperatures continue through Wednesday, resulting in a daytime high in the low 70s°F. and away from Boston.

Situation for Noon Eastern Daylight Time, Tuesday, September 18, 2007

Extended Forecast
Today: Cooler than average, but plenty of sun. High 67°F (19°C).
Tuesday: Brisk, with clear skies. Low 51°F (11°C).
Wednesday: Sunny and warmer. High 71°F (22°C).
Wednesday night: Scattered clouds. Low 59°F (15°C).
Thursday: Showers likely, mostly sunny. High 80°F (27°C).
Thursday night: Partly cloudy. High 61°F (16°C).
Saturday: Hail . . . to the victors! Penn State 17, Michigan 21.
Sen. Hillary Rodham Clinton unveiled on Monday a proposal to universal health insurance to all Americans.

The New York Times

By Patrick Healy and Robin Toner

The project was sosecret that only five people in the entire company knew its code name. For months, it had been bided-in the Dunkin’ Donuts research lab trying to crack the code for a doughnut without trans fats that tasted just like those on which the chain had built its reputation in reputation over the years.

At times, the quest seemed impossible. Batches of doughnuts cooked with oils containing zero grams of trans fats had turned into baking disasters: freezing slid off doughnuts, oils melted through the sugary treats, and the starch of palm oil replaced the sweet powdery scent that used to waft through the firm’s trademark.

In a few weeks, in a 5,300-stores nationwide, the Dunkin’-based concept will be tested across the country. Can the chain reproduce doughnuts with zero grams of trans fats? McDonald’s and other chains have invested huge amounts of time and money to try making trans fats because of growing concerns that they increase the risk of coronary heart disease.

Trans fats are in vegetable shortening made with or fried in partially hydrogenated oils.

Also, there is a strong endorsement for what in the United States has been called the "dual-ist approach" to dominant firms, said David B. Yoffie, a professor at the Harvard Business School.

"The obvious answer is that powerful companies can be harmful. If you have one or two or three that dominate the marketplace, you may hinder it, and help create new monopolies," Yoffie said. "The obvious example is Google in search and Apple in digital music.

It is the Department of Justice’s policy, backed by Congress, to sue firms that are setting prices and profits, to bring competition back to the marketplace.

"The biggest question I have is, would my wife still be alive today if she hadn’t participated in this study?" Robin Mohr of Taylorville, Ill., a 6-year-old woman in July.

"The question is how many people have suffered from gene therapy, and will we ever know?"" asked again to explain himself, Kouchner announced that France was doing military contingency planning for an eventual war, saying, "It is necessary to prepare for the worst," he said. "The worst, it’s war, it’s war."

Dunkin’ Aims to Get a Hole Lot Healthier

By Jenn Abelson

A federal committee concluded Monday that it was too early to tell whether Dr. Judy Mohr’s death was related to gene therapy; she was doing military contingency planning for an eventual war, saying, "It is necessary to prepare for the worst," he said. "The worst, it’s war, it’s war."

States’ Health Spending Varieties Widely, Study Says

By Robert Pear

A new federal study shows huge variations in personal health spending across the states, ranging from $5,200 per person in Massachusetts to less than $4,900 in Utah.

The report, based on the first national survey of the national Health Affairs, said that Massachusetts, Maine, New York, Alaska and Connecticut had the highest per capita spending on health care in 2006.

The lowest-per capita spending were Utah, Idaho, New Mexico, where the per capita spending in Utah was 59 percent of that in Massachusetts.

Anne B. Martin, an economist at the Centers for Medicare and Medicaid Services who was the main author of the report, said the reasons for the differences included the age and incomes of the popula- tion, the concentration of doctors in a state, the generosity of public programs, the extent of private health insurance coverage and the mix of services used by state residents.

The New York Times

By Kevin J. O’Brien and Andrew I. Gavil

The Sept. 6 attack by Israeli warplanes inside Syria struck what Israeli and American officials said was a nuclear-related facility that North Korea was helping to equip, according to the State Department and Israeli and American officials.

Preliminary reports by the inspectors were based on a nuclear-related facility that North Korea was helping to equip, according to the State Department and Israeli and American officials.

Cairo, Aug 24

The Sept. 6 attack by Israeli warplanes inside Syria struck what Israeli and American officials said was a nuclear-related facility that North Korea was helping to equip, according to the State Department and Israeli and American officials.

Cairo, Aug 24

The Sept. 6 attack by Israeli warplanes inside Syria struck what Israeli and American officials said was a nuclear-related facility that North Korea was helping to equip, according to the State Department and Israeli and American officials.

Cairo, Aug 24

The Sept. 6 attack by Israeli warplanes inside Syria struck what Israeli and American officials said was a nuclear-related facility that North Korea was helping to equip, according to the State Department and Israeli and American officials.
Opinion Policy

Editors are the official opinion of The Tech. They are written by the editorial board, which consists of Chairman Michael McGrane-Herdeg, Editor in Chief Angelene Wang, Managing Editor Austin Chu, Opinion Editor Aditya Kohli, and Contributing Editor Rosa Cao.

Disseants are the opinions of signed members of the editorial board—choosing to publish their disagreement with the editorial.

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to The Tech, 50 Memorial Drive, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W26-483. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters, columns, and cartoons must bear the authors’ signatures, address, and phone numbers. Unsigned letters will not be accepted.

The Tech reserves the right to edit or condense letters, shorter letters will be given higher priority. Once submitted, all letters become property of The Tech, and will not be returned. Letters, columns, and cartoons may also be posted on The Tech’s Web site and/or printed in other formats. In rare cases, letters may become known. The Tech makes no commitment to publish all the letters received.

Guest columns are opinion articles submitted by members of the MIT or local community and have the author’s name in italics. Columns and cartoons are written by tech staff.

To Reach Us

The Tech’s telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of the executive board. Letters, columns, and cartoons are always welcome and will be considered.

As a freshman, I had the audacity to make friends outside of my living group. Only blatant disregard for geographical constraints could have led me to bond with people who lived on the other side of campus. But this distance would not make much of a difference because I could simply switch dormitories during Residence Exploration, right? Not for a freshman tempered in Next House. Unfortunately, being "temped" in Next House is equivalent to being "permanently-placed-for-the-first-year" in Next House. This is because Next House comes with the baggage of Residence-Based Advising.

RBA attempts to build a community of students who share the same academic advisor. Yet, in doing so, it severely limits the students’ advisor and seminar options and prohibits them from participating in first-year housing lotteries by forcing co-advisers to live in the same dormitory. However, both RBA dormitories — Next House and McCormick Hall — attempt to emulate the non-RBA system by allowing freshmen to choose where in the dormitories they live. Many students will thus forget the benefits of living in proximity to their advising group by instead living near their friends. Since both dormitories are quite large, it is possible for a freshman to go through the year without seeing the bulk of his or her advising group.

As a program dedicated to students’ happiness, RBA should be making the students’ needs and experiences their priority. As a program dedicated to students’ happiness, RBA should be making the students’ needs and experiences their priority. As a program dedicated to students’ happiness, RBA should be making the students’ needs and experiences their priority. As a program dedicated to students’ happiness, RBA should be making the students’ needs and experiences their priority.
we need course 6 students who will take their passion for complex problem solving and apply it to designing and implementing a system for automatic execution of thousands of trade orders

Technology Associate

Career Fair:
9/20 at the Johnson Athletics Center

Info Session:
9/19 at 8 PM in 4-270

Resume Deadline: 9/25

Bridgewater Associates, Inc. is an Affirmative Action – Equal Opportunities Employer
"I'm a Little Teapot"

The Lab Is a Dangerous Place

By Charles Lin

I can't stand being punched in the kidneys. It's not just the pain itself. For me, feeling there is 1 mean, it's not pain, it's not like someone hit you in the ham hock. It's just a feeling of being hurt. Blunt trauma, stably stuffy, stably can usually roll with that. But getting punched in the kidneys, that's just not right. You have to feel all your other parts, and you get that funny taste in your mouth. It's like, like, you step on a bag of skunked mellow yellow inside your body and it's spilling all over the place. Actually, that's pretty much what a kidney is in the first place. A bag of mellow yellow.

I was really up because at my last school had this really mad habit for snacks. For grrs, he'd send me an instant message of the variety, "If you don't say 'I'm a little teapot' in 30 sec- onds, I think I can punch you in the kidneys." or "Say the first 5 digits of pi or I'll punch you in the head..." I guess to see how far I go. And I can roll off it to nine digits (which makes me normal at MIT, I guess) or even distance, I wasn't so bad off. Other times, though, I'd actu- ally be doing work or not paying attention and then, 30 seconds later, "Mellow Yellow.

I quickly learned to check all blinking lights with my bare hands.

On many occasions, I was in the office blurt out, "I'm a little teapot," as fast as I could. I thought maybe he might think I'm a little self-dep- recating ... and it is, but as far as things go, I'm generally pretty OK with myself. The way I see it, making a fool of yourself is all I can do at MIT, I guess) so in that instance, I do it. The next time around, I was scared as we hurtled forward through the darkness, and our stomachs pressed up against us as the ground dropped out from be- neath us. As last the driver brought the jeep to a halt, and after waving from his window, I went outside to pang with the hammer again. The lights came back on. We'd dropped off the road. That night pressed on.

We continued slowly at first, but as time passed our driver's confi- dence grew. I managed to dote briefly to the jarring potholes and the vibrations of the washboards, but I came flailing back into con- sciousness a Civil Vehicle and more occa- sioning as we careened into the unknown once again. This process repeated itself until the first light of dawn pierced the darkness and the last shots were fired off into the ead of the Zavkhan River. As a jeep roared to life, blinding us in its flash of headlamps before they shut off for some unknown reason.

That day we were lucky to escape from its eaves and cataracts. Some- day we will find it. We're looking in a different direction, or a different universe.

Then the headlights cut out again. There were screams as we hurtled forward through the darkness.

By Michael Lin

With the possible exceptions of RSI and Crying, I've yet to encounter a condition that truly makes me feel like a dude. The next day, I sent him an instant message saying, "If you say 'I'm a little teapot' in 15 sec- onds, I think I can punch you in the kidneys." He looked at me calmly, and said, "I'm a little teapot.

"OK, that's fair," I said. He just grinned. I sent him the message again. This time he didn't answer. I walked around and punched him in the knee cap.

Turns out that neither him as it should've been.

He put a fat smirk on his face and pulled out his phone. "Do a jig in 15 sec- onds or I'll kick you in the sharks," he said.

"What? No!" I replied. "You'll just put a video of me dancing on your YouTube!"

I got my phone out and said, "You do a jig or I'll kick you in the shark. What do you say?"

"Fine," he said. "I'll do it.

When the phone video took again?

Fifteen seconds elapsed, then we started kicking each other in the sharks. That's right, two grown adults in a room, just kicking celluloid phones, trying to kick each other in the sharks which is kind of strange. Anyways, someone should have put a video of that on YouTube. That's how it all started.

We've been back and forth for a few seconds. It's kind of funny. "You're wearing shoes, that's not fair," he took off his shoes, game.

"You're nicking Block," he said.

"I'm a little teapot!" he asked.

"Yes," I replied. "I'm a little tea- pot. You've learned your lesson!"

"No, you haven't!" I screamed. "I hate being kicked in the sharks!"

"You've learned your lesson!"

Cabin Fever

Like Summer Camp — Sort Of

By Myer Lin

In all seriousness, the experiences and sen- sations do have their parallels. You've just been dropped off in a new environment where you're living communally with mostly strangers. The giddiness of escaping (or homesickness of leav- ing) your guardians' stranglehold is magnified by the need to hunt and gather on your own. You travel just about everywhere on foot for fun that public transportation will take you to some aliens and hostile land, like Caltech. After the initial shock, you become acclimated to your new surroundings. You manage to ask questions besides "What dorm are you in?" and "Where are you from?" and "What's your major?" the list of college introductions are finally exhausted. You're sure that my parents can't stop me" settles into your vo-

This means that you can find your way to the river. Our bags were packed largely through the brain hemisphere of its choice with the Fire Hose of Smoking, stepping away the euphoria and nov- elty of being on the frontier of my life to reveal a bitter world of all-eights and procrastination. Already I've forgotten to have dinner and order instead for a bowl of cereal at two in the morning, learning the language of the lines as a verb, and believing me when I say that there are graphic synonyms aptly able to describe the universe. Already I've been able to keep up with the calculations of calculus homework. Already, I've dreamed of putting together a phone and a cabin fever has begun to take hold. Welcome, to MIT.

Graduate Student, Physics, MIT

More information, a special form, and deadlines available on WebSIS at: a/Exploratory_option.html#exploratory_option

The Hitchhiker's Guide to Mongolia (Another Way Not to Do It)

By James Scott Bordain

The tech silver moon disappeared below the horizon; the red earth could not be seen from the barren Mongolian grassland. Be- hind us, a silver color cast a weak glow out of one of the ten or so rounded tents clustered together on the banks of the Zavkhan River. A jeep roared to life, blinding us in its flash of headlamps before they shut off for some unknown reason.

That day we were lucky to escape from its eaves and cataracts. Some- day we will find it. We're looking in a different direction, or a different universe.
Choice

Choose from the widest possible range of challenges in a wide array of industries and functions, in more than 80 offices in more than 40 countries.

Information Session
TONIGHT
Tuesday, September 18, 2007
7:00 p.m.
Hotel @ MIT

Coffee Chats
Wednesday, September 19, 2007
* Sign up at Information Session

Career Fair
Thursday, September 20, 2007

www.mckinsey.com/usschools

Drive the world in a new direction!

GM Vehicle Show: Wed 9/19 9am-4:30pm Stratton
Information Session: Wed 9/19 5:30-6:30pm Room 1-150
Career Fair booth: Thu 9/20 10am-5pm Johnson

General Motors is actively recruiting for summer interns and full-time employees primarily in Course 6 and 2 for positions in:

• Engineering
• Manufacturing
• Hybrid
• Powertrain
• R&D
• OnStar Telematics

This engraving, a Chinese idiom, is located on the side of the Leshan Giant Buddha.

In this issue of ASK SIPB, we’ll discuss that bane of the computing world: printing. It’s almost always a good idea to check the cview printers to see if there are any that aren’t working. Here was a way to spread the word!

In today’s issue of ASK SIPB, we’ll discuss that bane of the digital world: printing. Outdated and the wrong information printed presents its own set of challenges, and the way to effectively use Athena’s printing infrastructure isn’t always. We’re also going to discuss Marlah’s tips on how to uninstall your MIT email.

If you’re trying to install Student Computing, you might want to try this.

I’m trying to install Student Computing, but it needs X11. How do I install X11?

You’ll need to install it from your regular install disk, which should have come with your computer. After the next mailhub update (usually within six hours), a copy of your MIT mail will go to Gmail too. To undo this change, type chpobox -p.

I’m trying to install Student Computing, but it needs X11. How do I install X11?

You’ll need to install it from your regular install disk, which should have come with your computer. After the next mailhub update (usually within six hours), a copy of your MIT mail will go to Gmail too. To undo this change, type chpobox -p.

By Christina Kang

Machetes, stalkers, white sand beaches … airplanes, Rickshaws, matatus … pickpockets, knifemen, lions, zebra carcasses … ugali, dosa, choma, peppercorn … kindness, laughter, sparkling eyes … hospitality, disease, sewage, poverty, what a Summer. Starting in the outskirts of India, I traveled to Kenya, Uganda, Tanzania, Zanzibar, Thailand (for a 24-hour layover), and China this summer. It was my first time in all these countries, and in fact, my first time in any developing country. Spending one to two weeks in each country, I documented MIT students working in those areas through photography and videography, interviewing them and the locals around them while searching for new projects.

It all started in April when I was searching for a summer opportunity in a developing country. I’ve always dreamt of being an international non-profit humanitarian physician, but I didn’t want to set and do paperwork or work at a lab bench. In my search for a summer project, I wanted to do something in developing countries where I had dreamed of working for so long. I also wanted to be able to make a difference to both my immediate community, MIT, and to the world. I never dreamed that my interest in photography would show me the way to the perfect project.

During my years at MIT, one of the most frustrating aspects of my commitment to service from our students. It’s hard in a place with such a high stress population to spend the little free time we have on something for other people that you’ve never met. As the world becomes more global, however, what happens in a small village in Africa can indirectly affect you, a student at MIT. Helping out and learning more about the world outside of your own can help you go beyond your imaginations and make your life more fulfilling and miles more interesting. You would be surprised how a hobby, an interest, or a passion of yours can be applied on an international scale to help others. The projects that I documented included designing a multigear hand-powered tricycle for the physically disabled in Kenya, teaching Chinese children to think creatively, and to work as a team, and creating a business run by locals and for locals to bring cheaper computers and cheap software such as Encarta to Uganda.

The idea began as a seedling, a branch of my projects from an application to a different fellowship, using photography as advertisement and therapy for a rehabilitation center in India. The seedling quickly sprouted as I realized that my photojournalism could go beyond advertising for the cause, but could also serve to celebrate the students’ achievements, teach the MIT community about the problems in other countries, and motivate others to get up and volunteer themselves. Despite a lot of international development work being done by the MIT community, a lot of the work goes unrecognized by both MIT and the world around it. Here was a way to spread the word!

Thus, the planning began. With about one month to raise funds and complete the planning process for my project, I created a website with a detailed description of my project idea, how it would help MIT and its students, how it would help me, and a detailed budget. Meeting with deans, heads of departments, counselors, and more, I presented my project and asked for their support. The Public Service Center was the first to jump up to support me, with Ms. Sally Susnowitz and Ms. Ayonk Hynd stepping up at point contacts for me to go to for guidance and assistance.

It faced many obstacles along the way, there were holes in my plans and lack of funds at the end of the fiscal year. With persistence and a lot of editing and advice, however, I raised a total of $10,750 dollars from the Public Service Center, the Edgerton Lab, the Deans of Student Life, the Service UROP Office, and the Office of Undergraduate Advising and Academic Programming. MIT offers amazing resources that can help you pursue your passions and help you learn beyond the classroom. You just have to search and work for them, and a slight interest can become reality. Chances are, if you’re passionate and excited about an idea, too, so too will others who can help make it happen.

In addition to photographing the projects and my experiences, I also wrote a great deal about my experiences on my blog available at http://csk07.blogspot.com/. Interviewing the MIT students, the locals, and investigating the issues at hand. I had a lot of time to reflect on myself and the world around me. Throughout this semester, I will share some of my photographs and experiences with you.

Call SIPB with questions at x3-7788!

Ask SIPB

Drop by our office in W20-557!

By Geoffrey Thomas

In today’s issue of ASK SIPB, we’ll discuss that bane of the computing world: printing. Outdated and the wrong information printed presents its own set of challenges, and the way to effectively use Athena’s printing infrastructure isn’t always. We’re also going to discuss Marlah’s tips on how to uninstall your MIT email.

I’m trying to install Student Computing, but it needs X11. How do I install X11?

You’ll need to install it from your regular install disk, which should have come with your computer. After the next mailhub update (usually within six hours), a copy of your MIT mail will go to Gmail too. To undo this change, type chpobox -p.

To ask us a question, send e-mail to sipb@mit.edu. We’ll try to answer you quickly, and we can address your question in our next column. You can also stop by our office in W20-557 or call us at x3-7788 if you need help. Copies of each column and pointers to additional information are posted on our Web site: http://www.mit.edu/~asksipb/

This engraving, a Chinese idiom, is located on the side of the Leshan Giant Buddha — the tallest stone Buddha statue in the world.
Know a Great Place to Get Breakfast or Lunch?

Opening Wednesday, September 19!

SEBASTIANS Café and Catering
7 Cambridge Center
(corner of Ames and Main Street)
617.758.0112
Order Online at www.sebastians.com

$1.00 Off Any Breakfast Sandwich

RECEIVE $1.00 Off Any Breakfast Sandwich at Sebastians Cafe.
Valid at Sebastians 7 Cambridge Center Café. Not redeemable for cash. Not to be used in conjunction with any other offers. Coupon must be present at time of payment. Valid for one time use only.
Moons of Uranus
by Juan Pablo Mendieta

Mad Science
by Scott Berdahl

sudoku
© Puzzles by Pappocom
Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.
Solution on page 21.

Solution, tips, and computer program at http://www.sudoku.com
MIT Career Fair

2007

Thursday, September 20th
Johnson Athletic Center

http://career-fair.mit.edu

Become a Career Fair volunteer!

MANDATORY
Volunteer Meeting
Tue, Sept. 18th, 8:30PM
Johnson Athletic Center

Sponsored in part by:

Platinum Sponsors

Oracle
AQR Capital Management

Gold Sponsors

Microsoft
Corning

Silver Sponsors

Akamai Technologies
Amazon.com
BBN Technologies
Boston Scientific
Cisco Systems
Citadel Investment Group
DC Energy
Direct Energy
Expedia, Inc.
InterSystems Corporation
ITA Software
Karen Aircraft
Marvell Semiconductor
Merck & Co., Inc.
Merrill Lynch
Netezza
Palantir Technologies
Procter and Gamble
Schlumberger
Shell Oil
SpanSoft
Stoud Consulting
Tessella Inc.
The MathWorks
Thomson West

Bronze Sponsors

AllianceBernstein
BAE Systems
Barclays Capital
Bloomberg
Boeing
Booz Allen Hamilton
Broadway Technology Capital Group
Clipper Windpower
Dominion Engineering
Ebay Inc.
Ellington Management Group
Exponent
FM Global
Ford Motor Company
Galatea Associates, LLC
General Electric
General Motors
Google
Hudson River Trading
IBM
iRobot Corporation
JPMorgan
Jump Trading
McKinsey & Company
MITRE Corporation
Morgan Stanley
NextWave Broadband
Orbital Sciences
Pacific Alternative Asset Management Company
QUALCOMM
Raytheon Company
Riverbed Technology
Rohm and Haas
Ropes and Gray LLP
Sun Microsystems
TBSCO Software Inc.
Tower Research Capital
TransAct Technologies
United Technologies
Varian, Inc.
Varian Semiconductor Equipment Associates
VistaPrint
Vondu
Weiss Asset Management

Brought to you by the Class of 2008, the Graduate Student Council, and the Society of Women Engineers
A journey of a thousand miles must begin with a single step.

- Lao Tzu

Where will you be in five years? You might be advancing to director faster than at any other consultancy. Or getting into the top business school of your choice. Or landing a management role in industry. At Oliver Wyman, you'll get there faster, smarter, better... with exposure to global clients, early opportunities to work internationally, and interaction with the best business minds around. Come work for the fastest growing consultancy in the Top 10. And discover that the first step you take can make all the difference in where you end up.

Get there faster. Start here.
Single Lecture This Year Results in 3.091 Overflow

3.091, from Page 1

start of the lecture, Sadoway said. About 65 students attend the video streamed lecture in 26-100, according to Hilary R. Sheldon, the course administrator.

The room capacity problems were a surprise, said Sadoway, as the enrollment is not known until the day after freshmen register for classes. Sadoway said he heard about the problem from Daniel E. Hastings PhD ’80, dean of undergraduate education, who was concerned about “crowding in the classroom” and a possible violation of the fire code.

Sadoway said that the “quality of the video feed is good” and there have not been any complaints. Additionally, videos of the lectures are online within one hour after the subject ends, Sheldon said.

Sadoway said that he suggested that students concerned about crowding in 3.091 should consider switching to 5.111 or 5.112 (Principles of Chemical Science), the other classes that satisfy the chemistry General Institute Requirement.

“I don’t take any pleasure in asking people to watch the lecture on video,” Sadoway said. “If I had a magic wand, I’d like to see a brand new state-of-the-art lecture hall that’s a pleasure to teach in and a pleasure to learn in.”

Students specifically interested in 3.091 could also take the subject in the spring. Enrollment in the spring term 3.091 course has been below 60 in the past two years, DiGuardia said. Sadoway teaches the subject only in the fall. “The students like Professor Sadoway very much and his enthusiasm keeps them interested,” Sheldon said.

Christian W. Therkelsen ’11, a 3.091 student who attended the video streamed lecture yesterday, said that “the normal lecture is better than this one but it’s okay.” Therkelsen said that he usually attends the 10-250 lectures.

Other classes that have large enrollments include 8.01 (Physics I) and 7.012 (Introductory Biology). In Fall 2006, the numbers of students in 8.01 and 7.012 were 581 and 404, respectively. DiGuardia said that after 26-100 and 10-250, the three largest lecture halls at MIT (34-101, 32-123, and 54-100) all have about 300 seats.

DUE Desktop Support is looking for a Student IT Consultant to assist with computer deployments and support. (8-12 hrs. per week)

See MIT Student Employment Listing at https://web.mit.edu/sfs/jobs_on_campus_jobs.shtml#4557 for details or email <aporter@mit.edu>

APPLY ONLINE:

www.SPERMBANK.com

Healthy MEN in college or with a college degree wanted for our sperm donor program.

Help people fulfill their dreams of starting a family.

Receive free health and genetic screenings.

ANALYST POSITIONS INVESTMENT BANKING

MIT students are invited to attend our company presentation:

ACCELERATE YOUR CAREER

Room 5-134
Tuesday, September 25th, 6:30 - 8:00 PM

Please submit your resume by Monday, October 1st for our Business Associate or Operations Research Analyst positions.

For additional information, please contact:

Anna Woodward: (212) 632-6224

* Positions available in New York, Chica Hon, Los Angeles and San Francisco
Information Session
Tuesday, September 18th
Cambridge Marriott
6:00 pm – 8:00 pm
Without Biology AP Credit, More Frosh Take and Pass ASE

Freshman Tests, from Page 1

All upperclassmen who had preeregistered for the class were also admitted, Canavan said.

Canavan said that the students given spots in 8.012 were “probably those students who have high potential to succeed in the class.” He said he was interested in restricting enrollment to 8.012 to students with good potential for success and said that the limited enrollment this year might help reach that goal.

Beginning this year, the Biology Department no longer accepts AP Biology credit to pass out of 7.012 (Introductory Biology). As a result, many more freshmen took the Biology ASE this year. A total of 96 students took the Biology ASE this year, as opposed to 61 last year.

Despite the jump in the number of students taking the Biology ASE, the percentage of students passing the exam remained virtually constant, with 56 percent passing this year and 57 percent passing in 2006. In previous years, about 27 percent of entering freshman classes have passed out of the Biology GIR by scoring a 5 on the AP Biology test.

The only ASE with a significant change in percentage passing is the 8.012 test, with 54 percent passing this year compared to 22 percent last year. Canavan said this difference does not reflect a change in the difficulty level or content of the exam. Rather, the statistic varies widely from year to year. Canavan said, because so few students — less than 70 — opt to take the exam. Under these circumstances, a difference of a small number of students passing or failing creates a large change in the percentage passing, Canavan said.

Before classes start each year, freshmen may sit for ASEs in chemistry, biology, physics, and mathematics to try to pass out of General Institute Requirements in these subjects. All freshmen who do not score a 5 on an AP English exam must take the FEE, which determines whether a writing subject is required for a student in their first year.

Advanced Standing Exam Results

<table>
<thead>
<tr>
<th>Subject</th>
<th>Examinees</th>
<th>% Passed</th>
<th>Class of 2011</th>
<th>Examinees</th>
<th>% Passed</th>
<th>Class of 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus BC (score of 4 or 5)</td>
<td>128</td>
<td>65%</td>
<td>115%</td>
<td>124</td>
<td>65%</td>
<td>114%</td>
</tr>
<tr>
<td>Physics C (5 on both Mechanics and E&amp;M)</td>
<td>8.01</td>
<td>16%</td>
<td>15%</td>
<td>8.01</td>
<td>16%</td>
<td>15%</td>
</tr>
<tr>
<td>English Language (5)*</td>
<td>FEE</td>
<td>12%</td>
<td>16%</td>
<td>FEE</td>
<td>12%</td>
<td>16%</td>
</tr>
<tr>
<td>English Literature (5)*</td>
<td>FEE</td>
<td>14%</td>
<td>16%</td>
<td>FEE</td>
<td>14%</td>
<td>16%</td>
</tr>
</tbody>
</table>

* Some freshmen bring in scores of 5 on both AP English Literature and AP English Language, while others bring in a score of 5 on just one or the other. In total, 23 percent of the incoming class passed out of the FEE via AP English credit. Last year, 25 percent of the Class of 2010 passed out of the FEE using AP credit.

Cutting-edge careers in
Wall Street technology.
Without the Yankees fans.

Cutting-edge careers in
Wall Street technology.
Without the Yankees fans.

Visit Ford Motor Company at the Career Fair • September 20th and Ford Information Session
Hotel @ MIT • September 20th, 7:00-8:30 PM
McVicar Room, check hotel website and room displays for updates

Come along for the ride. At Ford Motor Company, our professionals are working to design and produce quality automobiles that customers want. Through a renewed commitment to innovation, discover how we are introducing ideas like voice recognition, rollover protection, and hybrid technology to the American automotive industry.

We have a renewed commitment to our products and customers, but we also know that our employees are the driving force behind our success. We believe that having a balance between work and home life is important. It’s something we value, honor and respect. Come discover a Company that is focused on designing better cars, but also cares about you, your family and your community.

By choice, we are an Equal Opportunity Employer committed to a culturally diverse workforce.
We are an experienced group of analytical and technical financial professionals based in New York City, building and operating sophisticated quantitative trading strategies for domestic and international markets.

We seek bright and talented graduates (BA, BS, MS and PhD) with a degree in Computer Science, Engineering, Mathematics, Physics or a related discipline to join our collaborative, highly motivated, friendly and diverse team. Successful candidates will typically have exceptional programming ability; strong analytical, organizational and interpersonal skills; a team-oriented attitude; and a sense of humor. Finance experience is not necessary.

If you are interested in learning more about Two Sigma or submitting your resume for consideration, please visit our web site at www.twosigma.com.

We look forward to hearing from you!
KAUST Discovery Scholarship

Full scholarships for science and technology students

The King Abdullah University of Science and Technology (KAUST), a 21st century graduate-level, research university, is offering scholarships for future leaders in science, engineering, and technology.

The benefits of the KAUST Discovery Scholarship include:

- Full tuition at current institution
- Living stipend, book and computer allowance
- Upon graduation, admission and full scholarship for the KAUST master’s degree program at the University’s Red Sea campus

The KAUST campus opens in September 2009. Highly talented students with one to three years remaining in first university degree programs can apply now.

Visit www.kaust.edu.sa/discovery, or email scholarships@kaust.edu.sa.

THE ORAL MEDICINE DEPARTMENT AT TUFTS UNIVERSITY
SCHOOL OF DENTAL MEDICINE IS SEEKING HEALTHY INDIVIDUALS AGE 10-40 FOR A ONE-YEAR EXPERIMENTAL CAVITY TREATMENT STUDY

QUALIFIED PARTICIPANTS CAN EARN UP TO $325, RECEIVE A DENTAL CLEANING, DENTAL X-RAYS, AND A DENTAL EXAM
FOR MORE INFORMATION CALL (617) 636-3931 OR (617) 636-3932

The real meaning of success is making an impact—and enjoying what you do—every day.” — Ralph Shrader, Booz Allen chairman and chief executive officer

Booz | Allen | Hamilton
By Jesse McKinley  
December 15, 2006

At Berkeley, Protests Over Plan to Cut Down Trees

In many ways and for many months, the protest against Memorial Stadium at the University of California has been about, and Berkeley, as usual.

On one side are the protesting tree lovers who have been living Tauren-like since December in a stand of coastal oaks and other trees. On the other is the university, which wants to cut down the trees to build a $125 million athletic center, part of a larger plan to upgrade its athletic facilities.

The two sides disagreed. They bickered. Lawyers were called. Then came The Fenceline.

Before dawn on Aug. 29, building crews and the university police erected a 10-foot-high fence around the grove, effectively cutting off the tree dwellers from their supplies. The university called the fence a safety measure, meant to protect protesters from football fans descending on the stadium for the season opener.

Instead, the fence has united many of the city’s fractious constituencies and unleashed years of frustration among Berkeley residents and state officials who see the university that gave birth to Berkeley, as usual.

Now, 300 days after the fence was put up around the grove for nearly 300 days, the activists now have access to food and water. Perhaps a dozen people living in the grove for nearly 300 days, the activists now have access to food and water. Perhaps a dozen people...
If you know who
MARVIN MINSKY is,
(Co-founder of MIT’s Artificial Intelligence Laboratory)
READ ABOUT
THE MINSKYITE,
AN A-I ROBOT,
IN CHAPTER 6 OF MY BOOK:
Clone and Kork
...exploring the mystery of human consciousness
Mark Biedebach, PhD, Professor Emeritus
Comments welcome: mbiedeba@csulb.edu
Fellowships sponsored by the NATIONAL INSTITUTE OF MENTAL HEALTH:
• predoctoral – UCLA Biophysics of the Nervous System
• postdoctoral – CalTech
Order by calling
(888) 280-7715
or visit
www.authorhouse.com

WHERE MORALS COME FROM
(and why it matters)
Thursday, September 20, 2007
5:30 p.m. in Building E51 (Wong Auditorium)
FEATURED SPEAKERS:
Beatriz Luna
Associate Professor of Psychiatry, Dept. of Psychiatry,
School of Medicine, University of Pittsburgh
John Mikhail
Associate Professor, Law Center and Philosophy Department,
Georgetown University
Patrick Byrne
Professor of Philosophy, Boston College
MODERATOR:
Christopher Moore
Assistant Professor of Neuroscience,
Department of Brain and Cognitive Sciences,
Whitehead Institute

Royal Bengal
Boston’s only authentic Bengali Cuisine restaurant
313 Mass Ave., Cambridge
(617) 491-1968
T: Red Line, Bus #1 – Central Square
Take-out, platters, and catering available. Delivery with minimum order.
10% Discount on $15 or more! Order with MIT ID.
http://www.royalbengalrestaurant.com

Your Idea Could Start a Movement.
And You Could Win $75,000.
Enter Ruckus Nation – the online competition to get kids moving.
We’re looking for ideas for products that will increase physical activity among middle-school-aged kids (ages 11-14). And we’re awarding more than $300,000 in cash and prizes for winning entries.
Plus your idea could become a real product. HopeLab, sponsor of Ruckus Nation, will support the development of products based on the best ideas.
Visit our website for details.

It’s always a good time to join! join@the-tech.mit.edu
Harvard Endowment Soars as Its Head Plans to Leave

By Jenny Anderson

The newly created job of co-chief executive and co-chief investment officer at Pimco, joining two other prominent executives who insist they are not leaving. He cited family reasons for his decision. (He declined to comment for this column.)

His move might seem odd. If investing is your passion, managing a money pot like Harvard's would seem to be the best job in the world. Mr. El-Erian could make a good living, make a difference and have the kind of power wealthy Wall Street financiers so assiduously, and often fruitlessly, seek.

Yet retaining endowment chiefs, at Harvard and elsewhere, is notoriously challenging. And according to veterans, the job is no walk in the park.

"Being the chief investment officer of an endowment is one of the hardest jobs in the investment business because there are so many constituencies involved," said Yermi O. Sedlacke, president and chief executive of Communifund and a former chief financial officer at Harvard Management Company. "The one I have that 1,800 clients with one objective — investment performance. An endowment has one client with 1,800 objectives.

Consider the constituencies: students who may want you to shed your holdings in companies that do business in Sudan because of the genocide in Darfur, or professors who do not make a lot of money and happen to have very specific expertise in just about everything. It is a clash of civilizations; liberal academica meets cold, crass capitalism."

"I've never been called names worse than those I was called by professors and others on campus," one former endowment head said. "It gets personal very quickly."

And don't forget the endowment boards, often packed with passionate and well-heeled alumni who did not make their fortunes by simply rubber-stamping investment decisions.

"You are subject to the vagaries of the board, and they come and go and they are different people," said Alice Handy, who ran the University of Virginia's endowment for 29 years before starting a business in 2003 advising small endowments. "It can be like déjà vu. You come back to the same issues over and over again."

Nationally, more than 40 percent of the top investment executives within universities and endowments left in 2005 and 2006, according to a 2007 compensation survey by Mercer Human Resource Consulting (now Mercer) that excluded Harvard and Yale. The number is high even for Wall Street, which tends to churn people up at impressive rates.

"You are subject to the vagaries of freedom and the possibility of eye-popping payouts."

"It's tough to keep these CIO's in Boston," said Robert B. Whittenburg, the former head of the University of Texas Investment Management Company who was an endowment chief for 13 years before joining Perella Weinberg Partners. "It's a problem that is on everybody's mind."

Money is obviously one reason. A lot of these people are talented at what they do, and once you just landed here from outer space, hedge funds have been snapping up people to manage money, giving them a lot of freedom and the possibility of eye-popping payouts.

"This pay-for-performance culture that works well on Wall Street is very hard to achieve in an academic setting," said Stewart Massey, founding partner of Massey Quick, which customizes investment portfolios for small and midsize endowments and foundations.

Mr. El-Erian's predecessor, Jack Meyer, left after controversy over how much he and some of his staff members were paid. He later started a $6 billion hedge fund, the biggest on record.

Clearly even the best-run endowments have trouble holding onto talent. Harvard produces presidents, chief executives, doctors, lawyers, politicians and money managers (the money managers that come from Harvard's endowment are called the Crimson puppies). Brand Harvard is so hot that there is an independent magazine dedicated to it, whose title is simply the institution's ZIP code. And yet it has lost two endowment managers in less than three years.

In the last few years, several longtime executives at endowments around the country have left to start investment businesses, consulting to endowments and universities, directly managing money for them or both.

These former endowment chiefs are looking to bridge that gap with different approaches. Makena has a one-size-fits-all model in which it, rather than the investment board, manages the money and its day-to-day allocation. Investure customizes investment portfolios for clients, working with the boards to develop an allocation profile and then introducing board members to managers who can work within their own parameters. Mr. Boldt is offering a hybrid of the two.

Politics aside, some longtime endowment executives had rather fond memories. "I think it's the best job in the world," Ms. Handy said. "You get to meet amazing investors, you meet fascinating people, you control your board, you are cutting edge and you do it for a cause you can believe in and identify with."

Added Mr. Boldt: "The real psychic reward is feeling like you are doing something good and important about an organization you care about."

Or not. If Mr. El-Erian had stayed at Harvard and the performance he delivered was good, he easily could have followed in Mr. Meyer's footsteps, raising billions for his own hedge fund.

But he's going west, back home, where word has it that his family was happier. Maybe Pimco gave him more love. Or maybe it was just more money.

U.S. IMMIGRATION LAW & YOU

MIT students, family and employers Seeking U.S. legal counsel services. Call today.

James Dennis Leary, Esq. 321-544-0012

Free campus consultation, call today.
Good Hands® are connected to great technology people.

At Allstate, you will be among the industry’s top talent in an environment that encourages continuing development and growth opportunities.

TO LEARN ABOUT CAREER OPPORTUNITIES, VISIT US AT: WWW.ALLSTATE.JOBS

Company Presentation:
Thursday, September 20th
7:00-9:00PM, Room 56-114

“Good Hands” is a registered service mark of Allstate Insurance Company. © 2007 Allstate Insurance Company, Northbrook, IL

T-SHIRTS
...a necessary fact of College!

• Deal direct...no middlemen
• Fast turnaround
• Award winning & computer literate art dept.
• Free delivery & reasonable pricing *Cambridge & Boston Area
• Full color t-shirts and coffee mugs - no minimum!
• Locally owned & operated in Somerville, MA.
...and best of all - no boring lectures

ph - 617-625-3335
e-mail - info@qrsts.com
www.qrsts.com
serving the M.I.T. Community since 1989
Energize your future!

We'll be on campus for:

**Company Information Session:**
MBA: Lunch with the Energy Club 09/19/07
All others: 10/15/07

**Career Fair**
09/20/07

**Interviews**
10/30/07

MBA interviews will take place separately.

Please contact your career center for locations and information.

**Positions Recruited:**

- Strategies Research (Engineering, Sciences and Math post grads only)
- Risk Management
- Trading
- Portfolio Management
- Origination
- Finance/Credit/Accounting

Locations in Houston and Baltimore

Constitution Energy
Commodities Group
Young People Forgo MBAs For High-Paying Ventures

By Louise Story

Young People Forgo MBAs For High-Paying Ventures

September 18, 2007

As more Americans have become abundantly wealthy, young people are recasting old assumptions about success. The flood of money into private equity and hedge funds over the last two decades has made billionaires out of people like Kenneth Griffin, 38, chief executive of the Citadel Investment Group, and Eddie Lampert, 45, the hedge fund king who bought Sears and Kmart. These new icons are for the most part serial entrepreneurs, the kind of people who made a fortune in dollars instead of titles.

Many of the brightest don’t covet a corner office at Goldman Sachs or Morgan Stanley. Instead, they’re happy to work at a little-known hedge fund run out of a two-room office in Greenwich, Conn., as long as they get a fat paycheck. The competition from alternative investment firms — private equity and hedge funds in particular — is driving up salaries of entry-level analysts at much larger banks.

Top performers at the banks make so much money today that they don’t want to take a few years off for business school, even if it’s a prestigious institution like the Wharton School or Harvard.

The new ranks of traders and high-octane number crunchers on Wall Street are also a hedge apart from celebrated long-term investors like Warren Buffett and investment banking gurus like Felix Rohatyn. What sets the new crop apart is the need for speed and a thirst for instant riches.

“There’s no way that I would consider that a waste of money and time — time and Mr. Hammond, 28, enjoys seven-figure paychecks. He says, “I’d be shut-out of them not to retain their good people.”

At funds that manage $1 billion to $5 billion, people with just a few years of finance experience will make $337,000 a year, Mr. Zois says. These estimates include analysts and researchers but not portfolio traders, who can make much more because they sometimes share in profits.

“Most managers say, ‘If I pay you a decent bonus, then I’m going to lose people,’” Mr. Zois says.

“With the growth of hedge funds, you’re getting a lot of really smart people who are getting paid a lot very young,” says Aruna Rajashekn, 29, an analyst and a trader at a hedge fund in London. “I know it’s a bit of a short-term view, but it’s hard to walk away from something that’s going really well.”

The shift has not gone unnoticed by administrators at some business schools. Richard Schmalensee, 65, who was dean of the MIT Sloan School of Management until June, chalked it up to the changing nature of money-making. In many banks and investment boutiques, traders with math and science backgrounds now contribute more to the bottom line than the white-shoe investment bankers who long presided over Wall Street. And traders are less likely to go to business school.

“I don’t think you will see MBAs less represented in the lists of the world’s richest people,” Mr. Schmalensee says. “Business school has not fallen out of favor among the student population at large. The number of students who earned MBAs in 2005 was about 142,000; nearly twice the level in 1991. But as MBAs become more common, the degree seems to carry less prestige with people who land top-paying jobs in finance soon after college.”

And recent upheavals in the financial markets don’t seem to be changing the thinking of these younger high-fliers and their employers.

Hedge fund managers are unlikely to punish their younger workers for any dip in returns this year, says Adam Zois, managing partner at Glocap, a hedge fund in New York. Management fees charged by funds — typically 2 percent — come in regardless of return levels and can more than cover large salaries for young analysts at many funds.

“Most managers say, ‘If I pay you a decent bonus, then I’m going to lose people,’” Mr. Zois says.

“The shift has not gone unnoticed by administrators at some business schools. Richard Schmalensee, 65, who was dean of the MIT Sloan School of Management until June, chalked it up to the changing nature of money-making. In many banks and investment boutiques, traders with math and science backgrounds now contribute more to the bottom line than the white-shoe investment bankers who long presided over Wall Street. And traders are less likely to go to business school.

“I don’t think you will see MBAs less represented in the lists of the world’s richest people,” Mr. Schmalensee says. “Business school has not fallen out of favor among the student population at large. The number of students who earned MBAs in 2005 was about 142,000; nearly twice the level in 1991. But as MBAs become more common, the degree seems to carry less prestige with people who land top-paying jobs in finance soon after college.”

Part of the shift as come from investment banks like Goldman Sachs and Credit Suisse have changed their tune on business school. Instead of pushing all their young employees into MBA programs, banks are telling the best ones to stay put. “We want the perfect training ground for people who want to have careers in finance,” says Caitlin McLaughlin, director of campus recruiting for Citigroup.

Yet even some students at top business schools think their jobs to go is tougher now than it likely was two decades ago. “We all struggled with it,” says Katie Shaw, 28, who is in her second year of business school. “It’s not only, ‘Where do I go to business school?’ It’s also, ‘Do I go to business school?’”

A few years ago, research on the life of high-net-worth individuals would have been considered a fringe topic. But the subject of top executives’ personal lives has become the focus of increasing interest in recent years. The shift has been driven by the changing priorities of the ultra-wealthy, who are increasingly seeking to pass on their wealth to the next generation in a more intentional and thoughtful way.

While many high-net-worth individuals have traditionally focused on preserving their wealth for future generations, a growing number are now also placing a premium on their own lives and well-being. This trend has been fueled by a number of factors, including increased awareness of the importance of health and longevity, changes in social norms and values, and a desire to make a positive impact on the world.

As a result, high-net-worth individuals are increasingly looking beyond traditional asset classes, such as stocks and bonds, to explore alternatives like private equity, real estate, and art. They are also becoming more involved in philanthropy and social entrepreneurship, seeking ways to give back to society in a meaningful way.

In terms of personal finances, high-net-worth individuals are increasingly focused on maximizing their after-tax returns, seeking ways to save and invest in a tax-efficient manner. They are also exploring the potential of alternative investments as a way to diversify their portfolios and hedge against market volatility.

Overall, the trend toward more intentional and thoughtful wealth management is likely to continue, with high-net-worth individuals increasingly seeking out advisors and services that can help them achieve their unique goals and aspirations.
The Tech
September 18, 2007

Soccer, from Page 28

able weather conditions. They also contributed to a high foul count, as MIT committed 30 to Clark’s 21.

Clark forward Jenner Alpern came closest to scoring in regulation, as the junior’s 22nd-minute shot was cleared off the line by an MIT defender after sophomore Andrew Ninnemann had rounded Tech keeper Thomas S. Caldwell ’09. Engineer forward Chase J. Lochmiller ’08 provided the Cardinal and Gray’s best scoring chance with a 25-yard drive midway through the second half that forced a save out of Clark goalkeeper Peter Wise.

The visitors had a golden opportunity to secure victory 2:35 into the game’s first overtime session, but Cougar freshman Kyle Klapp was unlucky, as his driven penalty ricocheted off the outside of the right post.

Caldwell finished with four saves to earn his second shutout of the season and seventh of his career. Wise was forced to stop just one shot for his first shutout of the campaign.

MIT will return to the field on Wednesday, Sept. 19 when it will pay a visit to Wentworth Institute of Technology at 7 p.m.

Caldwell Saves Four Shots, Earns Second Shutout of the Year

Soccer, from Page 28

Soccer, from Page 28

For more information, call (617) 253-4471 or email chaneym@mit.edu

MIT NOC Ad 8/15/07 11:59 AM Page 1
Ken Bickel Brown Disk 74.5:HH526ME/NOC ADs: MIT:
**Aikido Participants Practice Fighting Off Punches and Knives**

Aikido, from Page 28

To a punching opponent. The simpler one involved evading the punch, while simultaneously grabbing your opponent and bringing him down. It took me a little while to master, but my partner was considerate of my slow learning curve. She even helped me with my technique so that I could knock her down more easily.

The other two defenses we learned against punching, one of which I tried to reproduce back at Next House to disappointing results, were a little more complex. The first one consisted of pushing the attacker’s hand back, grabbing his leg, and pushing him off balance, while the second required the defender to twist the attacker’s arms and knock him to the ground. While I could decently perform the moves myself, it was another story when my partner was attacking me. This is because falling properly is very important in Kokikai Aikido. My version consisted of the following: instead of trying to sit as I fell, I’d always attempt to catch myself with my right arm. Therefore, the pain in my right arm as I type this signifies an important lesson in Kokikai Aikido that I won’t soon forget.

During the last part of class, we practiced moves to defend ourselves against knife attacks. My favorite part was pretending to rob someone by grabbing him and sticking a “knife” to his chest. (Fellow students, don’t grab him and sticking a “knife” to his chest. (Fellow students, don’t)

The MIT Kokikai Aikido Club, from Page 28...

I would.

I’d recommend this club to anyone looking to master some self-defense techniques or take up an unpronounceable hobby. With only 15 members, it’s small enough that you’ll meet everyone and feel comfortable asking for help with challenging techniques. For those who do go, just remember to not be stupid like me and hurt your partner.

The MIT Kokikai Aikido Club meets every Monday, Wednesday, and Friday from 7:15-9 p.m.

---

### MIT Career Fair 2007 Information Sessions

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuesday, 09/18</strong></td>
<td>7:00-8:00PM</td>
<td>4-237</td>
<td>BBN Technologies</td>
</tr>
<tr>
<td></td>
<td>7:00-8:00PM</td>
<td>6-120</td>
<td>Procter &amp; Gamble</td>
</tr>
<tr>
<td></td>
<td>7:00-8:00PM</td>
<td>32-141</td>
<td>Exxon Mobil Corporation</td>
</tr>
<tr>
<td></td>
<td>7:00-9:00PM</td>
<td>32-155</td>
<td>AQR Capital Management</td>
</tr>
<tr>
<td><strong>Wednesday, 09/19</strong></td>
<td>5:00-6:00PM</td>
<td>5-234</td>
<td>Akamai Technologies</td>
</tr>
<tr>
<td></td>
<td>6:00-7:00PM</td>
<td>4-163</td>
<td>Corning Incorporated</td>
</tr>
<tr>
<td></td>
<td>6:00-7:00PM</td>
<td>32-144</td>
<td>Spanion Inc.</td>
</tr>
<tr>
<td></td>
<td>6:00-8:00PM</td>
<td>56-154</td>
<td>Next Jump, Inc.</td>
</tr>
<tr>
<td></td>
<td>7:00-8:00PM</td>
<td>4-370</td>
<td>Shell Oil</td>
</tr>
<tr>
<td></td>
<td>7:00-8:00PM</td>
<td>26-204</td>
<td>DC Energy</td>
</tr>
<tr>
<td></td>
<td>7:00-8:00PM</td>
<td>1-190</td>
<td>Susquehanna</td>
</tr>
<tr>
<td></td>
<td>7:00-8:00PM</td>
<td>36-153</td>
<td>Citadel Investment Group</td>
</tr>
<tr>
<td></td>
<td>8:00-9:30PM</td>
<td>37-212</td>
<td>Schlumberger</td>
</tr>
<tr>
<td></td>
<td>8:00-9:00PM</td>
<td>4-270</td>
<td>Bridgewater Associates</td>
</tr>
<tr>
<td><strong>Thursday, 09/20</strong></td>
<td>5:30-7:00PM</td>
<td>1-190</td>
<td>Naval Sea Systems</td>
</tr>
<tr>
<td></td>
<td>6:00-7:00PM</td>
<td>4-146</td>
<td>Palantir Technologies</td>
</tr>
<tr>
<td></td>
<td>6:00-7:00PM</td>
<td>26-210</td>
<td>Merck &amp; Co, Inc.</td>
</tr>
<tr>
<td></td>
<td>7:00-8:00PM</td>
<td>4-159</td>
<td>Expedia, Inc.</td>
</tr>
<tr>
<td></td>
<td>7:00-8:00PM</td>
<td>4-163</td>
<td>Netezza</td>
</tr>
<tr>
<td></td>
<td>7:00-8:00PM</td>
<td>36-153</td>
<td>Marvell Semiconductor</td>
</tr>
<tr>
<td></td>
<td>7:00-8:00PM</td>
<td>56-114</td>
<td>Allstate Insurance Company</td>
</tr>
<tr>
<td><strong>Friday, 09/21</strong></td>
<td>6:00-7:00PM</td>
<td>32-141</td>
<td>Boston Scientific</td>
</tr>
<tr>
<td><strong>Tuesday, 09/25</strong></td>
<td>6:00-7:30PM</td>
<td>32-155</td>
<td>Oracle</td>
</tr>
</tbody>
</table>
**Preis Nets Five Goals, Propels No. 8 MIT to 18-8 Win Over Queens**

By Jeff Lemieux

John V. Preis ’11 continued the phenomenal start to his freshman campaign on Saturday afternoon, scoring five goals in MIT’s 18-8 win over host Queens College in each team’s Colonial Water Polo Association Northern Division opener. Preis now has a team-best 26 goals.

The win was the fifth in a row for the Engineers (5-1, 1-0 CWA), who are ranked No. 8 nationally for the Engineers (5-1, 1-0 CWA), goals.

Katherine M. Boothe ’09 navigates her way past Vanessa Murphy of Simmons college in last Thursday’s field hockey game. The Engineers shut out the Sharks 2-0.

**Kokikai Aikido Club Connects Body, Mind With Self-Defense**

By Kyle Aaquil Atmore

This is the first in a series of Reporter’s Notebooks about MIT club and intramural sports. The Tech will send writers to various activities to provide accounts of MIT athletics.

**Men’s Soccer Game Ends In 0-0 Tie Against Clark**

Stormy Weather Creates Defensive Match

By Jeff Lemieux

A hard-fought men’s soccer match between conference foes MIT and Clark University ended in a 0-0 tie on Saturday afternoon at Steinbrenner Stadium, as each team opened its season against both Gordon College and Babson College. The Cardinal and Gray’s record now stands at 3-1-1 overall and 0-0-1 in the NEWMAC.

Both teams had difficulty creating scoring opportunities throughout the match, as gusting winds and occasional showers made for unfavorable weather.

Elizabeth A. Denys ’11 competes against Mount Holyoke College this past Saturday, Sept. 15. The Engineers shut out the Lyons 9-0.

**UPCOMING HOME EVENTS**

Tuesday, Sept. 18, 2007

Women’s Volleyball vs. UMass-Dartmouth 5 p.m., Rockwell Cage

Women’s Volleyball vs. WPI 7:30 p.m., Rockwell Cage

Thursday, Sept. 20, 2007

Women’s Soccer vs. Bridgewater State 4 p.m., Steinbrenner Stadium

Field Hockey vs. UMass-Dartmouth 6 p.m., Jack Barry Field