CSC Constitution Investigated Over Potential Discrimination

By Kevin R. Lang

The Association of Student Activities will ask the Chinese Students Club to remove a provision from their constitution which requires the president, vice president, and cultural director to be "active members of Chinese origin." CSC President Vivian E. Chau '03 said that the group's constitution formerly required a majority of the officers to be of Chinese origin. CSC Vice President Lilian Saenz Otero G via the group's executive mailing list.

"I would guess that it's been there for a while," Chau said. "We weren't actually aware that all these officers had to be of Chinese origin.

CSC President Jimmy C. Chang '02 estimated that the provision which required the entire cabinet to be of Chinese origin had been part of the group's constitution for five or six years. He noted that the ASA approves their constitution every year as part of ASA recognition.

Chau said that the CSC executive board reviewed the constitutional provision and decided to let the full membership vote on the amendment. She said the group was considered removing the provision entirely but wondered what might become of the club if the officers were not Chinese.

ASA acting on MIT policy

The ASA received a student complaint after the amendment was announced. Assistant Dean for Student Activities Tracy F. Purinton then heard about the amendment through ASA President Alan Schnoer G via the group's executive mailing list.

"The ASA constitution does not specifically forbid such an ethnic requirement for officers. However, under MIT's non-discrimination policy, no such restriction can exist in any form. "I think that's in violation of MIT's non-discrimination policy," Purinton said.

Purinton said, "I don't think that's in line with the educational mission of the Institute."

Section 9.4 of MIT Policies and Procedures states that "Harassment or discrimination against individuals on the basis of race, whether subtle or blatant, is unacceptable at MIT. It will be addressed with quick and decisive action wherever or whenever it occurs.

Purinton said she was surprised by the amendment. Since the CSC does not restrict membership in any way, and "in most cases, the president, vice president, and cultural director probably are of Chinese origin."

Chau said that the club does have a "couple non-Chinese members," while Chang noted that non-Chinese members had run for office recently. She also pointed out that "Chinese origin" did not necessarily mean Chinese ancestry, but rather some significant link to Chinese culture. Chang said it was important to the CSC that their leaders have knowledge of MIT's non-discrimination policy.

Students Debate New Orientation Schedule Plans at Town Meeting

By Eric L. Chelainekiet

Members of the Residence System Implementation Team presented plans for a one-week 2002 orientation schedule at a town meeting hosted by the Undergraduate Association on Tuesday.

The abbreviated schedule would reserve three evenings in the week for Residence Orientation, a scaled-down version of dormitory rush. The Residence Midway would follow Monday night's welcome dinner. Individual residence hall events would take place Tuesday and Wednesday night, while an IFW-wide event for students interested in pursuing Greek life would take place Tuesday night as well.

On Thursday, students would enter the "Orientation Admission Lottery" and either choose to remain in their assigned residence hall or switch to a different one. In-house dorm rush would occur Friday night and Saturday, and students would move to their permanent rooms by Sunday.

Other Orientation activities, such as the President's Convocation, Welcome Dinner, informational sessions, and advanced standing exams, would take place during daylight hours.

Squating policy clarified

At the meeting, Dean for Student Life Larry G. Benedict also announced that incoming freshmen would not be allowed to preferential "squat" rooms assigned to them over the summer, although they would be allowed to remain in their assigned residence halls.

After receiving the Orientation mailing in mid-May, freshmen would be allowed to move their belongings into their rooms the day before they were scheduled to arrive. If students did not meet their deadlines, they would be assigned temporary rooms. After 60 days, these temporary rooms would be reassigned to regular residents.

Search Committee Appoints Zue Director of LCS Following Two Month Interim Role

By Brian Loux

After serving as interim director for two months, Professor Victor W. Zue has been named director of the Laboratory for Computer Science by an internal search committee.

"I would like to continue the tradition of being a internationally pre-eminent computer lab," Zue said.

Zue became interim director on August 31 following the death of Michael L. Dertouzos four days earlier. A five member committee was formed soon after by Dean of Engineering Thomas L. Magnanti to determine who should permanently take over the position.

Zue was named at MIT in 1970 as a graduate student, going on to obtain his doctorate of science in Electrical Engineering and Computer Science at MIT in 1976. He began to work at LCS in 1989 and quickly rose in the ranks to become the Associate Director in 1992.

Jury of peers select Zue

Faculty close to Zue were pleased with his appointment as director.

"We talked to a large number of people in the lab to see how they would like to see the lab move forward in terms of direction," said Professor Ronald L. Rivest, a search committee member. "We asked them many questions and there was a good range of discussion."

"There were no candidates for the position; rather, names like Zue's arose only via the recommendations of colleagues. "We had an excellent candidate already, the lab seemed to feel," Rivest said.

Many members of the LCS liked Zue during his tenure as Associate Director, and the committee noted his knowledge of the lab and its staff.

Others mentioned Zue's research record as a reason for his appointment. "He is quite a notable researcher," Magnanti said. "He's been a leading researcher in speech recognition.

Zue, Page 14
Bush Defends Plans For Secret Military Trials for Terrorists
WASHINGTON
President Bush told federal prosecutors Thursday that secret military trials for some foreign terrorism suspects could help prevent the U.S. from being hit by future terrorist attacks.
Bush is facing complaints from Capitol Hill that he is setting too much power over handling military tribunals and installing himself as the sole arbiter of who will be tried under that system.
"It is an open secret, but we're at war," Bush told a conference of U.S. attorneys. "The enemy has declared war on us, and we must not let foreign enemies use the forums of liberty to destroy liberty instead of defending it against ... so we have to be allowed to use our freedoms against us." Bush used his 18 minutes of remarks to offer a foreign defense of administration policies being challenged on the grounds that they abridge civil liberties. Bush put himself firmly behind the aggressive new techniques of his Justice Department, which is using immigration laws to detain and question non-citizens, some of whom have peripheral and non-existent ties to the events of Sept. 11.

Enron Employees Take Huge Hit On Retirement Savings

Thousands of Enron Corp. workers have had their retirement savings wiped out after the leading energy trader warned against loading up pension plans with employees' stock.

Enron's 401(k) retirement plan lost an estimated $850 million in the past few months as Enron shares in the largest U.S. energy company tanked on waves of bad news about poor accounting, huge losses and investor deals that benefited top executives.

The stock price five days before Enron declared bankruptcy on Nov. 3 was $90. By Wednesday, it was in the single digits, prompting employees to start selling their 401(k) assets to cover huge losses.

Most of Enron's 21,000 workers are believed to have suffered massive losses. Some have filed suit, alleging that company officials who ran the 401(k) plan promoted Enron shares despite knowledge of undisclosed financial irregularities.

Enron lawyers also charge that employees were prevented from selling company stock during a critical month when it lost more than half its value.

NTSB Ships Flight 578 Tail Fin For NASA to Analysis

Federal air safety investigators said Thursday they will ask NASA for help in determining why the tail fin of American Airlines Flight 578 broke off, an unusual step that underscores the difficulty of the probe.

The National Transportation Safety Board said it will ship the Airbus A300's vertical tail fin and rudder to the National Aeronautics and Space Administration's Langley Research Center in Hampton, Va., for testing. Langley is the space agency's lead center for developing advanced materials such as the carbon fiber composite from which the tail fin was made.

The tail fin broke off Nov. 12 shortly after taking off from John F. Kennedy International Airport in New York, killing all 260 people aboard and another five on the ground. The tail fin was found in Jamaica Bay, about a half mile from the Queens neighborhood where the main fuselage crashed.

Suicide Bomber Kills Israeli Bus Passengers in Jerusalem

By Lee Hockstader

A young Palestinian suicide bomber boarded a nearly empty bus in northern Israel and blew it to pieces Thursday evening, killing himself and two Israelis and wounding the handful of other passengers.

The bomb was so powerful that the bus was thrown into the air and its roof peeled back like the lid of a sandate can.

Another Israeli and two other Palestinians were killed in separate violence elsewhere Thursday, the latest in a chain of bombings, shootouts, assassinations and mortar attacks that have convulsed Israel, Gaza and the West Bank in the last week as the Bush administration began its first major push for peace in years.

At least six Israelis and six Palestinians have been killed since Monday, when Assistant Secretary of State William Burns and special envoy Anthony Zinni, a retired Marine general, arrived here on a mission intended to nudge Israelis and Palestinians back toward negotiation.

They may rest assured that the United States welcomes any reliable and useful information that they can provide to help us save lives in the future," Attorney General John Ashcroft said at a news conference.

The program marks the latest tactic by frustrated U.S. officials who have sought to identify and capture terrorists and collaborators since the attacks on New York and Washington.

A nationwide dragnet since Sept. 11 has netted hundreds of foreign nationals, but law enforcement officials and court papers indicate that only about a dozen of those cases are suspected of involvement in Osama bin Laden's al-Qaida terrorist network.

Ashcroft, speaking on television after the attack, said the plan, "in my view, will open a pathway to citizenship for participants." But many immigration experts said the steps were limited and that they would help relatively few foreign nationals become U.S. citizens.

Ashcroft Offers Citizenship Aid In Exchange for Terrorist Tips

By Dan Eggen

The Justice Department announced plans Thursday to coax information about terrorists from foreign nationals by offering them the chance to obtain legal residency or U.S. citizenship.

Unlike other anti-terror efforts launched since Sept. 11, which have included detentions of hundreds of people and possible deportation for violations of immigration laws, the new program promises tangible incentives to immigrants otherwise afraid to come forward with information.

Under the "Responsible Cooperators Program," the rewards would be offered to non-citizens "who have useful and reliable information" about terrorists, according to a directie issued to the FBI, INS and U.S. attorneys offices.

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This new program, called the "Responsible Cooperators Program," offers citizenship to foreign nationals if they have valuable information but do not qualify for an "S" visa. They may obtain an "L" visa, which would enable them to live and work in the United States, while they work with law enforcement officials to help gather information useful to stopping terrorist attacks.

By Michael J. Ring

After a string of abnormally mild days earlier this week, yesterday's cold, raw, showery weather reminded us that it is the end of November. The Boston area will be experiencing winter weather in the coming days, with snow showers and temperatures well below freezing.

The National Weather Service has issued a Winter Weather Advisory for the Boston area, effective through Thursday evening. The advisory is in place because of the potential for slippery roads and reduced visibility due to snow and sleet.

The advisory is in effect from 4 p.m. Wednesday until 7 p.m. Thursday. During this period, snow showers will continue, with accumulations of up to a quarter inch of snow. The snow will be accompanied by strong winds, gusting up to 30 mph, which will create whiteout conditions.

The combination of snow and strong winds will make travel difficult, with reduced visibility and slippery roads. Drivers are urged to plan their commute accordingly, allowing extra time for travel and observing speed limits.

Drivers are urged to stay home if possible, and to use public transportation or carpooling instead of driving alone.

The Winter Weather Advisory is in effect for the following counties: Essex, Middlesex, Norfolk, Plymouth, and Suffolk.

Bus and train routes may experience delays due to snow and sleet, so commuters are encouraged to allow extra time for travel.

The Boston Public School Department has announced that all schools will be closed on Thursday, November 22, due to the winter weather.

The answer to the question of whether or not we should close schools on days like today is not always straightforward. There are a number of factors to consider, including the severity of the weather, the potential for travel disruptions, and the impact on students and staff.

In this case, the Winter Weather Advisory and the potential for travel disruptions make it clear that it is in the best interest of students, staff, and families to keep everyone home.

The decision to close schools was made in consultation with school administrators, the Department of Public Health, the Department of Transportation, and other partners.

The School Department will continue to monitor the situation closely and will provide updates as needed.

By Brian F. Stoddard

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United States Begins Crackdown On Uncooperative Foreign Flights

By Jonathan Peterson

WASHINGTON

Citing national security concerns, the U.S. Customs Service on Thursday began tough new scrutiny of baggage and travelers on dozens of foreign airlines that have failed to provide U.S. authorities with advance details about their passengers.

The move follows U.S. demands that the airlines do not forward the passenger data when a plane arrives from outside the United States to relay passenger data electronically to law enforcement databases and target passengers on an Air France flight to Los Angeles International Airport on Thursday morning, a Saudi Arabian Airlines flight to John F. Kennedy International Airport in New York and others headed for Miami and Washington.

Such flights "pose a national security risk to the United States," if the airlines do not forward the passenger information, U.S. Customs Commissioner Robert C. Bonner warned in a statement. Customs, he added, plans "100 percent examination of all cargo and luggage disembarking these particular flights."

The issue heated up this month when Congress passed aviation security legislation that requires airplanes arriving from outside the United States to relay passenger data electronically to law enforcement databases and target passengers.

Inspectors are able to check the names of travelers against an array of law enforcement databases and target particular passengers for closer examination when they reach a U.S. port of entry.

Among the first to get the tougher treatment were passengers on an Air China flight to Los Angeles International Airport on Thursday morning, a Saudi Arabian Airlines flight to John F. Kennedy International Airport in New York and others headed for Miami and Washington.

Such flights "pose a national security risk to the United States," if the airlines do not forward the passenger information, U.S. Customs Commissioner Robert C. Bonner warned in a statement. Customs, he added, plans "100 percent examination of all cargo and luggage disembarking these particular flights."

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Inspectors are able to check the names of travelers against an array of law enforcement databases and target particular passengers for closer examination when they reach a U.S. port of entry.
ALL THOSE IN FAVOR OF ENDING THE TALIBAN REGIME SAY AYE...
The Plague

Christen M. Gray

A report was published recently by the American Council of Trustees and Alumni, founded by G. Kermit Cheny (wife of Dick Cheney) in 1995, entitled "Defending Civilization: How Our Universities Are Failing America and What Should Be Done About It." It goes on to propose that American history classes, a longtime hot topic on the college's agenda, should go towards solving the problem. The report infers that because we, the student population of America, along with some (by no means all) of our professors, are not being taught correctly. Since when is stating "Recycle Plastic, Not Violence" an act of treason? Our generation, specifically today's college students, went through high school under the constant shadow of violence. We watched as the atrocity at Columbine High School unfolded from our very own classroom. Many of us even had bomb threats made to our schools everyday. While our parents went out on fire and tornado drills, we were drilled in what to do if someone was shooting or threatened to be the shooter. Nearly every high school student knew there were guns and knives in their school. Now, after all of this, Cheney and company want to tell us of those who survived that we need more Western history classes because they are important. Perhaps it's the politicians and the rest of the populace who need more education in American history. The report provides a need for a textbook that includes, quoting four MIT professors and giving statistics on Harvard's student results, the appropriate response to the recent school shootings. I want to make it clear that most students at these universities are particularly well versed in Western history. I love promotion and have no doubt about the number of students that took and passed the Advanced Placement U.S. History exam in high school. Don't get me wrong, I think history should be taught correctly. But where were the people that shocked my senior year of high school to discover that the average graduating student, during the first four planet in the solar system are the moon blocks the Earth from the sun (A) or the moon blocks the Earth from the sun B) Quick: solar eclipse occurs when (C) the moon blocks the Earth from the sun C) the moon blocks the Sun from the Earth? How can these be the only two ideas? The answer is not in the Newbery Laws are. These may be of particular importance in the near future as Common Core education takes hold. I know only we should teach history; we should teach all of it, good and bad. The typical history class demands no analysis beyond what has already been written in the text. I want to hear about the flip side of things. Sure, teach students about invading the beaches of Normandy during World War II. Let them feel pride in their nation by showing pictures of American soldiers freeing prisoners in concentration camps. But let them understand, too, that they must always be watchful of how the world is changing, and how the American internment camps which held ethnic Japanese people during that era were wrong, and that the United States has been the winner for a very long time. That should not be confused with being more righteous and deserving a people than the rest of the world. The fairness of the Founding Fathers should be understood and employed to help and uplift our worldwide neighbors rather than exploiting them. I invite you to go read the report at www.actonac.org. However, this is really just a silly, biased piece of paper that some group made up. It's really not the end of the world, but I do believe that the college students and academics who oppose the war and more violence do so because they are ignorant of the particulars and, because we understand history at least as much as Cheney's group does, but still retain the idealism that allows us to love all people instead of just Americans. Perhaps it's just because we just got tired of all the violence. Whatever the reason, we are not blind sheep, and I think a lot of us are getting tired of being told otherwise.

The average graduating student had no idea what the Newbery Laws are. These may be of importance in the near future as Constitutional infringements increase. We need to teach all of history.
Seiko's Smartpad2 — An Interesting Idea, But Portable Enough?

By Daniel B. Jonas

Seiko SmartPad2, 350

Have you ever tried to take notes on your Palm using the Graffti software and struggled to keep pace, only to throw your stylus down in frustration and pick up a pen and paper? Well, you are not alone. When I dream of handbags it is nearly impossible to sleep soundly, I always find myself pushing my Palm aside and reaching for a notebook.

Seiko Smartpad2, which Seiko markets as "The Connected Notepad," solves this deficiency by capturing handwritten notes and drawings and transferring them to your handheld in real time via infrared technology. The SmartPad2 works in conjunction with any handheld running Palm OS 3.1 or higher.

Software installation was a breeze, which included installing the software package on my laptop. HotSyncing with my Palm, and slipping the batteries into the MartParl2 took less than 15 minutes. The SmartPad2 includes a PC application and four applications for the Palm OS (eAddress, eNotebook, eMemo and eTodo). These applications share databases with their standard Palm counterparts.

Anything written on the pad is stored as an "Ink Note" on your Palm. Each Ink Note (which can consist of multiple pages) is attached to an entry either in the address book, date book, memo pad or to do list. There is also a handy room feature that allows you to better view the note on your Palm by zooming in. Ink Notes can also be easily viewed through the Smartpad2 desktop software after a quick HotSync.

In releasing the Smartpad2, Seiko slightly modified the design of its original Smartpad so that handhelds other than the Palm are compatible with the product. The Smartpad2 supports units from Palm, Handspring, Handfury, Sony and IBM. The Smartpad2 also includes a Smart Keypad, carefully placed under the notepad, that allows direct entry text to be written by hand or via the keypad and allows for the execution of functions.

In order to e-mail your Ink Notes directly from your handheld, you must have the appropriate software installed (not included) and either a modem or cellular phone. Otherwise, the Ink Notes can be e-mailed as file attachments from your desktop after a quick HotSync.

Mandelbrot, from Page 1

Seiko's Smartpad2, a slight reinvention on the original Smartpad, is the latest in Palm accessories, allowing the user to draw on a pad and have the image transferred onto the Palm.

The invention of handwriting recognition has not been met with the same enthusiasm as barcode readers, character recognition, or data entry. Nevertheless, handwriting is the universal language for the human brain. The advantage of handwriting recognition is that it is not dependent on a language; therefore, it could be used for international communication.

Ink Pad, yourP.

If that could almost as much as a Palm? In fact, if you could, you would be alternating it against real-time electronic input. And by that, I mean that you could actually talk to a computer and have real-time input from your voice. It is a very difficult problem to solve, but one that has been solved by the Smartpad2.

By Daniel B. Jonas

Seiko SmartPad2, 350

Ink Pad, yourP.

I played with it, the more convinced I became that I would never carry my Palm again. The MartPad2 is a nifty gadget, yet the product has its fair share of problems.

It is quite difficult to view an Ink note on the MartPad2 even with my Palm and the MartPad2. I have tried to view the file on my Palm but the software installation was a "I'll bet it's going to happen one for the holidays" is going to post on it eBay."

When opened on the right side lies a five by eight-inch notepad that slips the batteries into the MartParl2 took than 15 minutes. When I first looked at pictures of the MartPad2, which are light gray, darker gray, on a horrible electronic screen which was was an expensive high-resolution graphic system which again dark gray over light gray, I was thinking of Ramon y Cajal because he looked at structures that could be photomicrographs. There wasn't enough contrast but, by playing with depth of field, his extraordinary skills, he was marvelous. How he drew pictures of all these neurons was so perfect, so early, that in the early 1950s when neuron research was becoming a new field of interest, I read an article in Science that was the first ever done with this type of research for the neuron, a book, first published in Spanish 60 years earlier. They wrote it in the French translation from 1903.

Now that I think Cajal had this combination of seeing the very border of what was known, tools available, and an understanding of every trick, skill, he did predive this picture of what the brain is which was not only an amazing man, but an extreme, I can also name heroes that are excerpted more than others.

In an extraordinary combination of rea
ers more general. Pointeur is such a thoroughly mathematical who one could think that he was an unparalleled person in his time, but a neuroscientist, had an extraordinary and aut
dominantly controversial. He defined cate
ges, because on one hand he was, by my experience, the most amazing man of his time in many dif
tions, with his traditional knowledge and any thing rigorously, so his community disliked him and not only his research but also his ability to leave difficul
tions, and they disliked those who had enjoyed it and he did not want to say.

What was your first thing thought when you first saw you Martpad
detail or a nightmare. Truly I thought some machine had gone hay
even worse. So to the calves, courses for the students just to be
efore you step into the MartPad2 applications this keyboard is
twice the size of Palm's on-screen keyboard.

The MartPad2 is a nifty gadget, yet the product has its fair share of drawbacks. I do not have any number of jobs at MIT, at Bell Labs, you name it. IBM was not even in the running.

It was a mechanical engineering outfit, and I was interested in using it to design an electronics outfit and focusing questions which the old IBM could not answer. I was run by people who had very long

I knew you did a lot of your work with the MartPad2, and I am interested to know about the interaction between indu

TT: I know you did a lot of your work with the MartPad2, and I am interested to know about the interaction between industry and academia.

BM: IBM. I was at IBM during the 35 years of history which were quite extraordinary. IBM had a very strong research department, but the real reason why that is so strong is that it's a very diverse place. In other words, in 1957-58 IBM was a big bag who couldn't be a choos.

BM: Oh! No comment.

TT: No comment? Alright.

BM: One!
**AVIATION**

Scouting For Surveillance

Detection of the B-2 Stealth Bomber
And a Brief History on "Stealth"

By Tao Yue

**Lockheed’s F-117A has a radar signature about a hundredth as large as that of conventional airplanes.**

In early June, the news was filled with headlines such as this one. Newsweek described in a front-page story at the time of the new F-22 program as "stealth". This was based on the F-117 and featured the Stealth technology had begun with the introduction of the second generation of military aircraft. The F-117A has a radar signature about a hundredth as large as that of conventional airplanes. Making it appear little larger than a bird on radar screens. The B-2 Stealth Bomber, which followed the F-117, benefited from this advance technology.

The F-117 was publicly announced, rumors circulated in the media. For something as complex as that of conventional airplanes, making it appear little larger than a bird on radar screens. The B-2 Stealth Bomber, which followed the F-117, benefited from this advance technology.

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Ethics vs. Stem Cells
Technology & Culture Forum Discusses Stem Cells

By Shankar Mukherji
ASSOCIATE EDITOR

MIT's Technology and Culture Forum hosted a lively discussion on the future of embryonic stem cell research, featuring viewpoints ranging from academic interest to ethical concerns. The national debate over stem cell research, which had noticeably quieted following the attacks of September 11, has been reinvigorated on the heels of news that cell biologists have produced the first known cloned human embryo.

Professor George Q. Daley PhD '89 of Harvard Medical School introduced the science behind the debate, emphasizing the differences between adult and embryonic stem cells. Numerous investigations in the field, Daley claimed, feel that the greatest therapeutic benefit from the research can only be derived from those stem cells still in the embryonic stage.

Daley, who is also a fellow at the Whithead Institute for Biomedical Research, said that stem cells at this stage exist at "the only time in human development where the cells retain that [high] degree of plasticity."

"Each of these cells adopts a more limited fate, a limited diversity," Daley said, "so that we have more pluripotential cells in the embryo and less restricted ... multipotential cells in the adult."

Adult-derived stem cells, such as the bone marrow stem cell that gives rise to blood, do not exhibit the same degree of versatility as their embryonic counterparts, which can grow as immortal cells in culture as well as give rise to all the cells of the adult organism.

Daley noted, however, that the issue of adult versus embryonic cells is far from closed.

"We're starting to appreciate that stem cells from the bone marrow may be able to give rise, under certain experimental conditions, to other tissues or other organ types, like the liver or even neurons."

Still, Daley remains unconvinced of the exchangeability of the two types of stem cells.

"I would argue, from the perspective of a scientist working on both embryonic and adult stem cells in my laboratory, that we do not view these cells equivalently," he said. "There is much greater plasticity, a much greater versatility in the embryonic cultures that we carry than in the adult stem cells we can generate."

The ethicists question science

Professor of Religion Thomas A. Shannon of Worcester Polytechnic Institute expressed concerns over the direction of stem cell research.

"There are numerous ethical arguments that argue for caution in embryonic stem cell research," said Shannon. Shannon said not claiming to be an outright foe of the investigation into potential uses for stem cells in healthcare, Shannon cited several problems facing the line of investigation, most importantly the "continued commitment to high-tech medicine ... rather than getting at the underlying social and environmental causes of disease."

Shannon believes that "the benefit of the research will go to those who are insured and those who can pay out of pocket, while the vast majority will not even have access to the technology."

Instead, said Shannon, medical research should focus on more fundamental issues in healthcare. "Is high-tech rescue medicine the way [to treat human disease], or should we follow a different model of medical practice?" he asked. "The potential is there, but the real question is whether we want to allocate our scarce resources to this effort."

Shannon also raised overarching moral concerns over the direction of the research. Pre-differentiated cells, said Shannon, "are not morally privileged to individuality, but do contain the essence of human nature."

"To use such cells in research," continued Shannon, "is in fact to objectify human nature, it is a means to an end."

Consumers matter too

Consumer advocate Abbey Meyers, president of the National Organization for Rare Disorders, also urged caution on the part of stem cell researchers because of what she called "an understandable skepticism of medical breakthroughs."

"Stem cell research is paying a heavy price," she said, "for the hope of medical research promise."

In trying to obtain financial backing for their endeavors, according to Meyers, researchers had promised far more than they could realistically accomplish. "A far more responsible attitude must be taken by researchers if they are to regain the public's trust," said Meyers.

She pointed to the promises of gene therapy, which was widely regarded as an imminent cure that would revolutionize medical practice. The failure of such gene therapies to sweep across the world, said Meyers, is just one example of the public being hurt "by the Wall Street hype of the research community."

The often vitriolic debate over stem cell policy, she noted, is not helping to smooth over patient mistrust of new healthcare technologies.

"The adversarial nature of researchers and federal regulators often further erodes the public trust," claimed Meyers.

When asked by an audience member whether or not she was afraid that the United States would fall behind Europe and others in stem cell research, she said that "it doesn't matter who gets it first. The race between countries doesn't matter. I don't care who has them, just as long as we, the patients, can get them."

Stem cell interest on rise again

Interest in the future of biomedical research has grown after researchers at Worcester, Massachusetts-based Advanced Cell Technologies (ACT) announced that they had artificially cloned a human embryo. As current federal policy limits funding on embryonic stem cell research to those lines already established and announced by the National Institutes of Health, private companies such as ACT are moving meetings with federal regulators to do research programs while their publicity-funded counterparts stand by and watch.
back, I don't know if I should go out 2nite

well...not quite sure, would u rather feel stupid or guilty? or-- stupid & better?

so if u go out, u fail tomorrow's exam, not only will u feel stupid, but u feel guilty, too. cuz it was ur own damn fault & again out!!! working!!

but c'mon. if u don't go out, u fail the exam, will feel stupid & BITTER, cuz not only did u study & fail, u also didn't go out. if u didn't study as well, have u failed anyway?

Oh, that's easy. Miss Toshimori. Don't go out. Tool. All right. I'll make up for it. Here's 1500 yen. Call! I get studying on the exam anyway.

Ranger, but what if it works? Well, stupid better & study again, anyway.

ONE SCREW LOOSE 15.5

CASEY! GUESS WHAT?! WHAT? I HAVE A DATE TONIGHT! GREAT WHAT? I THOUGHT I TOLD YOU TO STAY AWAY FROM THESE MENTAL INSTITUTIONS.

DON'T LIE! I spent 6 months in jail for that! I'm glad you're good!
**FoxTrot** by Bill Amend

**DOIN'T MALCE ME PELT YOU.**

**DADDY**'s HURR YAH!

**DADDY**'s HURR YAH!

**Congressional Hearings**

**YOUR AIRLINE IS ACCUSED OF PROVIDING INHUMAN SERVICE**

**SOMETIMES I WAG MY TAIL AND SOMETIMES I HOLD UP MY PALM AND SAY... "BAH!"**

**Okay, let me think aloud for a minute.**

**THE COST WILL BE $3000 LOSING FOCUS MONKEYS ARE FUNNY... MY TOOTH IS DIGESTING IN MY MOUTH.**

**Dilbert®** by Scott Adams

**DOINERT AIRLINES**

**ATTENTION TRAVELERS! OUR HUB AT THE SOUTH POLE IS EXPERIENCING PERMAFROST.**

**Congressional Hearings**

**YOUR AIRLINE IS ACCUSED OF PROVIDING INHUMAN SERVICE. HOW DO YOU RESPOND?**

**OKE, LET ME THINK ALOUD FOR A MINUTE.**

**THE COST WILL BE $3000 LOSING FOCUS MONKEYS ARE FUNNY... MY TOOTH IS DIGESTING IN MY MOUTH.**

**YOU'RE NOT ALLOWED TO SAY BAH. TAKE IT BACK.**

**that didn't help as much as I had hoped.**

---

**Want to see the full picture?**

Join The Tech Production staff and read Dilbert® and the rest of the paper before your friends do! Stop by Room 483 of the Student Center or call us at 253-1541 and ask for Eric.
**The Arts**

**A weekly guide to the arts in Boston**

November 30 – December 6

Compiled by Fred Choi

**Theatre**

**The Middle East**
Central Square, 354-8288
Ticketmaster: 931-2787.
Dec. 3: ix 98. 5 Holiday Hoedown
Tuesdays: Open Mic at 8 p.m.
47 Palmer St, Cambridge, 617-491-4419
Dec. 15: Jane Olivor.
Dec. 12: Jonatha Brooke.
Dec. 15: Lansdowne St., 617-262-2424
Dec. 10: OJ Krush.
Dec. 1: Cold.
13 Lansdowne St., 617-262-2437
Curses.
Thursdays: 864-0400
Fridays: Groove Factor.
Sundays: 9:30, 11 a.m., 1:30, 4 p.m.
1414 Commonwealth Ave. in Cambridge.

**Soulful and folk rock, Martin Sexton plays the Somerville Theatre on Friday, December 14.**

**Soundscapes**
545 Dudley St., Boston, 617-236-5004
Nov. 30: Dave Dreiwitz.
Dec. 1: Gold.
Dec. 9: H2O.
Dec. 11: Gentlemens.
Dec. 13: Mike & Mighty Big
storries.

**Boston Symphony Orchestra**
Sports, Cape Cod, 7:30 p.m.
Nov. 29, 30: Performance of Symphony Hall, 8 p.m.
Dec. 6, 7:30 p.m.
Dec. 9, 10: Symphony on tour with the American, 7:30 p.m.
617-542-3000
Composer: Richard Strauss, 7:30 p.m.
Concert: Steven Devost, 7:30 p.m.
Concert: Brian Ochs, 8 p.m.
Dec. 16: Joel Davidson.
Dec. 18: Tanglewood Festival Orchestra.
Dec. 23: Last year's winner.
1210 Boylston St., 617-266-0400

**Soulful and folk rock, Martin Sexton plays the Somerville Theatre on Friday, December 14.**

**Jazz**

**Jazz at the Museum of Fine Arts**
Informative, 11 a.m., 1:30 p.m.
Dec. 6, 11a.m., 1:30 p.m.
1400 Commonwealth Ave., Cambridge.

**Concerts**

**Theatre**

**Attic Theater**
2278 Tremont St., 617-662-0250
Nov. 30: John Pizzarelli Trio.
Dec. 7 at 1:30 p.m.
74 Warren St., Boston, 215-5000
Dec. 21:

**Carnegie Hall**
85 5th Ave., New York, 212-757-5000
Dec. 2: Harlem Jazz Band.
Dec. 20: Le Figaro.
Dec. 1: Cold.
13 Lansdowne St., 617-262-2437
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Attention School of Engineering Sophomores:

So you’ve got the technical skills, but do you have all that it takes?

Allow us to introduce you to:

UPOP, is a new program open to all engineering sophomores* that will allow you to develop your engineering and business skills while providing you a taste of real-life work experience.

Want to know more? Come to an info session:

**Room 4-370 at 7:30pm to 8:30pm**
Tuesday, December 4th – A thru G
Wednesday, December 5th – H thru Q
Thursday, December 6th – R thru Z

To be sure we have enough pizza for everyone we prefer you attend the info session that corresponds with your last name.

* Details regarding enrollment procedures for students in different departments will be given at the information sessions
Newman Talks About Research Combining Space and Biology

By A. S. Wang

The Biomedical Engineering Society concluded its fall Distinguished Lecture Series yesterday with a talk by MacVicar Fellow and Associate Professor of Aeronautics and Astronautics Dava J. Newman.

Newman’s lecture, “From Mars to Mans: Aerospace Biomedical Engineering,” focused on her experiment on the effect of low gravity on human mobility.

Human health in space

Newman’s talk began with a discussion of her research on the Russian Space Station, Mir. Newman’s two-year experiment attempted to understand the impact of extended exposure to a lack of gravity, known as microgravity, on human mobility.

“After roughly 30 days, I found that the astronauts are completely used to the microgravity environment,” Newman aid. “And in human mobility.

“After IAP, BMES will be offering a symposium of six papers, together with BMES President Philip Mahboob-Alexander ’02, ‘MIT’s Biomechanical Engineering’ resources are scattered. BMES tries to bring some of these resources together, the IAP symposium is designed to do that.”

CSC Officer Provision Mandates Leadership With Chinese Origins

CSC, from Page 1

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Purinton said that she did not pursue the matter directly because the ASA has a rule that says that she thought students would object if she stepped in. However, she added, if something blows up about this, that “when I would step in.”

Provision likely to be removed

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“We require that all ASA-recognized groups acknowledge MIT’s discrimination policy,” Saenz Otero aid. “I don’t think there’s much disagreement on the issue. The amendment would be violations of the ASA non-discrimination policy and we would not remove the provision from their constitution.”

If the ASA asks the group to remove the provision and a leader of Chinese origin, Chau said that she personally did not see a problem but did not want to speak for the entire club.

Chang said that he thought the CSC would be averse to removing the provision completely, since the reduced requirement was reached only after three cabinet meetings. He said the CSC “would be open to clarifying the policy rather than removing it outright.”

Colleagues Recommend Zue to Fill Vacated Spot

Zue, from Page 1

She receives the recognition. He brings his administrative background and leadership in research.

Zue was also successful in bringing his students to work specifically the Defense Advanced Research Projects Agency, which was a large concern for the committee. “Our research budget is about $20 million per year, and DARPA has been a primary source of funding from the government. We also have many industrial sponsors,” Rivest said.

LCS future focused on research

LCS future focused on research and the need to continue the breakthrough research of the era and administration that proceed with the traditional research. “We would like to expand into areas that have not already been in computer science.”

Not surprisingly, Zue has high hopes for the fields he has researched in the past, specifically speech recognition and computational biology. “I think computer science has a lot to learn from and offer to biology,” Zue said. He mentioned how much the Human Genome Project benefited from computer science, and hopes that other combined projects in the future could achieve similar results.

He also hopes to greatly advance Project Oxygen, a joint project between the Artificial Intelligence Laboratory and LCS. The project attempts to integrate computer technology into everyday life and living. “We are doing a lot of very interesting things,” he said.

Zue said plans to continue as LCS director for a few years. He cited his love for the laboratory and the main reason he decided to take the job.

Jeffrey Greenbaum contributed to the reporting of this story.

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FSILG discs to be mailed separately

preferences. The Interactive Introduction will take place well into the summer and after the Orientation Adjustment Lottery.

Adjustment lottery draws debate

Discussion of the adjustment lottery focused on whether freshmen should be penalized for failing to sign up. "I really don't want to make freshmen feel like they're a loser because they didn't enter the lottery," said JulieB. Orman, associate dean for academic resources and programming.

Cain described the RSIT plan as a good compromise given the complexity of the report issued by former Chancellor Lawrence S. Bacow '72. "The new report is in ways to interpret as the Constitution or the Bible," Cain said.

ATTENTION SCIENTISTS AND ENGINEERS: CONTRIBUTE TO PUBLIC POLICY-MAKING IN WASHINGTON, DC

WHAT: Learn About Public Policy Opportunities for Scientists and Engineers

WHEN: Monday, December 3, 3:00-4:15 PM

WHERE: MIT Campus, 4-237

WHO: Former AAAS Science and Technology Policy Fellows

- Are you interested in applying your scientific and engineering expertise to government decision-making in Washington, DC?
- Would you like to work for a year in Congress or in one of a dozen federal agencies, learning how science policy is formed?

Science and technology policy fellowships provide opportunities for postdoctoral to mid-career scientists and engineers to participate in the federal decision-making process of Washington, DC, while learning how government works. These programs, sponsored by the American Association for the Advancement of Science (AAAS), allow qualified individuals to work on domestic and international science policy issues through one-year assignments in the Congress and different federal agencies.

Consider attending this event to learn more about a unique science policy opportunity!

For more information, contact AAAS at 202/326-6700, e-mail science_policy@aaas.org or visit http://fellows.aaas.org.

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FROM 4:00 to 6:00PM
AT THE COOP AT HARVARD SQUARE
(Refreshments will be served)

RSVP: sepowell@thecoop.com
Fencing Team Dominates Meet

Purcell, Bras Lead Way in Sweep of Five New England Schools

By Curtis Wade III

MIT’s fencing teams began their seasons on November 17 with victories over Harvard University and New England Fencing Intercollegiate Conference (NEFC) opponents.

Coach Jarek Koniszewski, head coach of both schools, said the Engineers clinched the 17-10 win. "The excitement, the Engineers' margin of victory from 21-6 clinched the 17-10 win. Bras continued his undefeated season with a 3-0 sweep of his opponent, as the men faced a Harvard team that led for the first round as Coach Koniszewski said. "The men look to engage last season's split and improve the men's record to 4-0 (1-0 C) and the women's to 5-0 (2-0).

Men's Fencing

Harvard on the line, intensity surged three years ago to 14-13 and 15-12. "I've been watching the men's epee fencers. all of the epee fencers. The Engineers finished undefeated with a 2-1 performance. Jennifer A. tee, 3-0, and Lisa Malech, 2-1, each added to their records. Purcell, Delaiello, Ckehan, and Danielle M. Morse '03 added three victories to MIT's 23-4 and 22-2 victories. Christine A. Yee '03, and Lisa Malech, 2-1, each added to their records. Purcell, Delaiello, Ckehan, and Danielle M. Morse '03 added three victories to MIT's 23-4 and 22-2 victories.

Men's fencing program in the nation, MIT got a face-off deep in the fourth period with the Engineers' status counting for the third round as Coach Koniszewski said. "The men look to engage last season's split and improve the men's record to 4-0 (1-0 C) and the women's to 5-0 (2-0).

Win Over FSC Puts

Men's Steak to Four

By Rich Weber

The Men’s basketball team won its fourth straight game on Tuesday, defeating Framingham State College 77-46. Strong guard play by freshman Daniel F. Kanamori '05 and the all-division game were key factors. Kyle T. Doherty '04 and Michael E. Huh '05 allowed the Beavers to average last season’s loss’s to FSC. On the first play of the second half, Kanamori hit Doherty with an alley-oop dunk. The crowd exploded, and Framingham’s chances of a comeback diminished. The Rams’ lack of offense kept them from making a serious run against the Engineers’. 20 point lead throughout the game.

Hubs’ insertion into the starting lineup sparked his production as he scored 11 points and earned 7 rebounds. His play, along with Doherty’s 39 points and 14 rebounds, gave the Engineers too much strength in the frontcourt for the Rams to handle. As Hubs makes more aggressive around the backboard in future games, he and Doherty will be a factor on the small NEWMAC forwards.

Adam J. Gibbons '05 led the Engineers in scoring with 16 points, hitting 7 of 13 from the floor. "Gibbons will most likely continue to improve, and could turn into the league’s top freshman," head coach Neal L. Brown said.

Kanamori put on another passing show, and the Rams came out on top of all of the Engineers’ weapons with which to attack hopes.

The Engineers end their season with a 9-23 record, including Brown. Barring the Engineers' sweep of U H., they have an outstanding 36-9 and 35-10 records. Jennifer A. Ckehan, 2-1 (0-5), and Danielle M. Morse ’02 added three victories to MIT's 23-4 and 22-2 victories. Christine A. Yee '03, and Lisa Malech, 2-1, each added to their records. Purcell, Delaiello, Ckehan, and Danielle M. Morse '03 added three victories to MIT's 23-4 and 22-2 victories.

Men’s Hockey Loses a Pair of Road Games

Hockey Loses a Pair of Road Games

By Matthew Van Home

After a fast start to the season, beating Daniel Webster and WPI 3-1 and 3-2, respectively in their first two games, the Engineers had a rough set of two games on the road. On November 10, the team made the trip to Lyn- donville, Vermont to play the Lyndon State Hornets. MIT came out fast in the first two periods, going into the locker room before the last period ahead 4-2. However, some overconfidence and a few ill-timed penalties gave the Bluebirds breathing room and led to back into the game. Lyndon State was able to sneak three goals in during the final period to win the game 5-4.

The disappointing loss motivated the Engineers, who are currently in the midst of a big game against league rival Bryant College on November 16. The game was very even throughout the entire game and the score remained at 0-0 until just three minutes left in regulation. Bryant then got their third short-handed break- away of the game, and despite making the first save, goalie Matthew P. Van Home ’02 was not able to stop the subsequent rebound off the back of a trailing Bryant player.

The game was not over yet as MIT got a face-off win with just 1 minute left in regulation. Bryant then got their third short-handed break- away of the game, and despite making the first save, goalie Matthew P. Van Home ’02 was not able to stop the subsequent rebound off the back of a trailing Bryant player. Fisher put a shot past the Bryant goalie to tie the game at one goal each. The score remained at 1-1 as time expired sending the game into a five minute, sudden-death overtime.

Fisher put a shot past the Bryant goalie to tie the game at one goal each. The score remained at 1-1 as time expired sending the game into a five minute, sudden-death overtime. Parker E. Larson got the face-off, but had the puck stolen from his stick by a Bryant defender. The defender hit a breaking teammate for the fourth breakaway of the game. This time the shot connected to the back of the net, beating Van Home to his right side. The Engineers, now 2-2 overall and 0-2 in the league, continue a five game home stand with Coast Guard on Saturday, December 1.