

More Successful Apps: 81 Percent of Summer UROPs Find Funding

By JIHy Kim
ASSOCIATE NEWS EDITOR

As of the end of the Spring Term, 335 out of the 469 students who applied for direct summer funding from the Undergraduate Research Opportunities Program received funding, according to Melissa J. Martin-Greene, staff associate in the Academic Resources Center. An additional 10 percent of the applicants were funded through non-UROP sources, such as UROP faculty and special departmental funds.

The number of successful applications has increased from last year's 327 out of 553 projects. This summer, only six percent of those who applied for direct funding remain unfunded, compared to last year's nine percent.

Michael Bergren, the assistant dean for academic and research initiatives, said, "We're proud that we have that approach to find alternative means of funding."

According to Bergren, for summer 2007, the UROP office allocated \$1.3 million, or 72 percent of the total funding budget for the year.

"This summer, those who were not funded were not funded simply because of lack of funding," Mar-

tin-Greene said. "There was only one project was not appropriate for UROP." Students requested an average of \$3,975.51 in direct funds, she said.

Summer UROPs are held to the same criteria as those during the Fall and Spring terms, Martin-Greene said. Students must clearly define goals and expectations in their proposals, and all UROP projects must be worthy of academic credit and supervised by MIT faculty, she said.

Martin-Greene said that contrary to popular belief, the amount requested by students for direct funding does not influence the students' chances in obtaining summer funding. "In fact, we encourage for students to apply for the full amount," she said. "If a student's plans change and ends up not working full-time during the summer, he can tell us that he doesn't need the full amount anymore after the direct funding deadline. However, a student cannot tell us that they need more funding than what they originally requested with their applications if he ends up working more than expected."

Furthermore, "the UROP office

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Speakers Challenge Graduates: Only You Can Save the World

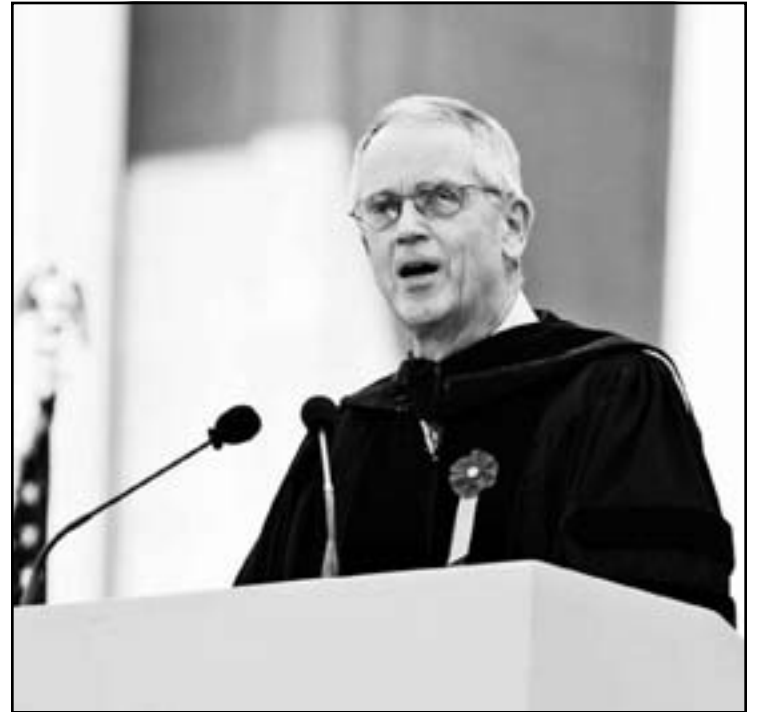
By Angeline Wang
EDITOR-IN-CHIEF

Over 2,000 students received degrees last Friday during MIT's 141st Commencement in front of approximately 10,000 guests, including members of the 50-year reunion Class of 1957.

During the ceremony, the Class of 2007 presented MIT with the Senior Gift, a check for \$26,861 that will go toward the newly-established Class of 2007 study abroad fund and other MIT groups and funds. Alumni Association President Martin Y. Tang GM '72 contributed \$15,000 because of the record 52 percent participation rate for the Senior Gift. The record was previously 51 percent, set by the Class of 2006 last year.

According to the MIT News Office, 2,110 undergraduates and graduate students received 1,068 bachelor's degrees, 1,000 master's degrees, 282 doctorates, and 10 engineer's degrees. Over 2,200 students attended the ceremony, as some students who received degrees in September or February walked across the stage last week, Registrar Mary Callahan said.

Former MIT President Charles M. Vest, president-elect of the National Academy of Engineering, gave the Commencement address, delivering a speech about opportunity and ser-



BRIAN HEMOND—THE TECH

President Emeritus Charles M. Vest delivers the Commencement address to the Class of 2007 last Friday, July 8, in Killian Court. For more Commencement photos, see pages 5-7.

vice and describing how graduates of the Institute can and must "make the world well."

For the full text of Vest's address, as well as other Commencement

speeches, see pages 5-7.

Vest described the opportunities MIT has given him as he served as

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CEE Prof. Lerman Appointed Dean for Graduate Students, Replacing Colbert

By JIHy Kim
ASSOCIATE NEWS EDITOR

Civil and Environmental Engineering Professor Steven R. Lerman '72 has been appointed the new Dean for Graduate Students, effective July 1. He will replace Isaac M. Colbert, who will be stepping down from the position after eight years as Dean.

A June 11 e-mail from Chancellor Phillip L. Clay PhD '75 to the MIT community announced the appointment. Lerman was chosen from an unranked list of viable candidates provided by the Search Advisory Committee, chaired by Professor of Management Stephen C. Graves.

According to Clay's e-mail, Lerman's extensive experience in both administration and graduate student life made him the best choice for the job. As the Class of 1922 Distinguished Professor, Lerman regularly teaches undergraduate subjects. He is also the director of the Center for Educational Computing Initiatives, co-director of the Singapore-MIT Alliance, and twice-elected Chair of the MIT Faculty.

Lerman and his wife have also served as housemasters of the graduate residence at 224 Albany Street, commonly known as The Warehouse, for six years.

"As a faculty member living in

Lerman, Page 8



BRIAN HEMOND—THE TECH

Professor of Civil and Environmental Engineering Steven R. Lerman was appointed as Dean of Graduate Students this past Monday, June 11. His appointment takes effect July 1.

Subway Opens in Student Center After Many Delays

By Joyce Kwan
NEWS EDITOR

Subway opened in the Lobdell food court on Monday, June 11, after a construction period that "took a lot longer than we had hoped," according to Richard D. Berlin III, director of Campus Dining. Subway will be open daily during the summer from 10 a.m. to 10 p.m.

Construction for the new vendor site began in January 2007 and took longer than anticipated because "a lot of things [were] out of building code," Berlin said. For instance, there were some unexpected plumbing and electrical inadequacies, so modest renovations had to take

place, he said.

Subway passed its building and health inspections only about a week ago, Berlin said.

Subway owner Aynen Rajeh cited other reasons, saying that negotiating the contract with MIT took longer than expected. He also said that contractors could not work regularly because of the presence of people in the building.

Menu and prices remain consistent with any other Subway, Rajeh said.

Located in an alcove to the left of Café Spice, the Indian food vendor, the new Subway sits in the space

Subway, Page 9

Ryan M. Davis '10

Ryan M. Davis '10, an energetic and vibrant student with a passion for chemistry, died on May 26 in the Mount Holyoke Range after being missing for nearly two months. He was 20.

Davis, a third-floor resident of the east parallel of East Campus, was from Hingham, MA., and attended high school at Phillips Academy in Andover.

Davis was an athlete with a love for the outdoors. He was a member of two swim teams and played soccer in local leagues. Davis was also a skilled sailor and served as a sailing instructor. Before coming to MIT, Davis participated in the Discover Ocean Engineering pre-orientation program.

"We were saddened by the news of Ryan's death and send our condolences and sympathies to his family and friends," wrote Barbara A. Baker, Senior Associate Dean for Students.

Davis is survived by his parents Janice and James, and three sisters Caroline, Julie, and Jenna. A memorial service for Davis will be held this Saturday at 10 a.m. at St. Anthony's Church, 129 South Main Street, Cohasset, MA.

The Tech publishes monthly during the summer. The next issue will be published on Friday, July 6.



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WORLD & NATION

Judge Refuses To Delay Libby Prison Sentence

By Neil A. Lewis and David Stout

THE NEW YORK TIMES

WASHINGTON

A federal judge refused Thursday to delay the start of the prison sentence for I. Lewis Libby Jr. in the CIA leak case while he appeals his conviction, meaning he could be ordered to surrender within two months.

The ruling intensifies the legal and political drama surrounding Libby, the former chief of staff to Vice President Dick Cheney who was convicted of perjury, making false statements and obstructing justice.

Judge Reggie B. Walton said Thursday that he found no reason to postpone Libby's sentence of two and a half years in prison for four felony counts. Defense lawyers had asked that he be allowed to remain free while pursuing appeals.

Walton's decision means that the defense lawyers will probably ask a federal appeals court to block the sentence, a long-shot move. It also sharpens interest in a question being asked by Libby's supporters and critics alike: Will President Bush pardon Libby?

So far, the president has expressed sympathy for Libby and his family but has not tipped his hand on the pardon issue.

Four Senators Seek Penalty For China

By Steven R. Weisman

THE NEW YORK TIMES

WASHINGTON

Four leading Democratic and Republican senators proposed legislation Wednesday aimed at penalizing China over its export practices and predicted that they would have the votes to pass it in Congress this year even if it was vetoed by President Bush.

The administration indicated it would oppose the bill, which appeared certain to aggravate tensions with China at a time when Treasury Secretary Henry M. Paulson Jr. has sought to use negotiations to change Chinese economic policies, particularly those keeping the value of its currency low in relation to the dollar.

The legislation would set up an elaborate mechanism to punish China if it did not change its policy of intervening in currency markets to keep the exchange value of the currency, the yuan, low. Such low Chinese currency rates are a spur to exports by making them cheaper for foreign consumers.

House Panel Passes Bill To Cut Subsidies To Student Lenders

By Diana Jean Schemo

THE NEW YORK TIMES

WASHINGTON

The House education committee voted Wednesday to cut subsidies to student lenders and to halve the interest rates on a key student loan program over the next five years.

The bill, approved in a 30-16 vote that included many Republicans on the yes side, underscored the vastly changed landscape facing the student loan industry, which is facing major challenges this year, including investigations of its marketing and underwriting practices. The Senate education committee is taking up its own bill next week, expected to include even deeper cuts in subsidies to lenders than the \$19 billion in the House bill, and President Bush also proposed cuts in payments to lenders.

The bill met with sharp criticism from the lending industry. In a statement, the Consumer Bankers Association, which represents lenders, called it an "anti-student bill in pro-student clothing," predicting that it would result in fewer services to students as lenders seek to cut overhead costs.

The bill raises the maximum Pell grants for low- and moderate-income students over the next five years, to \$5,200 from the current \$4,700.

US Pushes Missile Defense in EU Despite Putin's Proposal

By Thom Shanker

THE NEW YORK TIMES

BRUSSELS, BELGIUM

Defense Secretary Robert M. Gates made clear Thursday that the United States would not alter plans to deploy parts of a missile defense system in Poland and the Czech Republic, despite an unexpected proposal by President Vladimir V. Putin of Russia to use a radar base in Azerbaijan instead.

During a session of defense ministers here, Gates also effectively secured NATO's endorsement of a U.S. plan to build the missile defense bases in Central Europe, overcoming the concerns of some alliance members that the effort could rupture relations with Russia.

The radar in Azerbaijan offered by Putin at the recent Group of 8 session with President Bush in Germany could complement the sites proposed for Central Europe, Gates said, but not replace them.

"I was very explicit in the meeting that we saw the Azeri radar as an additional capability, that we intended to proceed with the radar, the X-band radar, in the Czech Republic," Gates said at an evening

news conference after meeting with his Russian counterpart, Anatoly E. Serdyukov.

U.S. military officers have said that the X-band radar proposed for the Czech Republic is designed to spot specific objects in space and to assist interceptors in locking on and destroying an adversary's missile in the middle of its flight. The system in Azerbaijan is an early-warning radar, with a wider range yet less specific tracking ability.

NATO support, described by its officials as a significant step forward for the U.S. proposals, came in the somewhat coded language typical of the Atlantic alliance.

NATO did not issue a specific endorsement of placing the elements of the system in former Soviet satellite states in Central Europe. But it announced an effort that in essence was an agreement that the system would be deployed: a study of how proposed shorter-range NATO missile defense systems would be incorporated in the long-range U.S. anti-missile program. That U.S. system would include 10 missile interceptors in Poland and a network of radar defenses in the Czech Republic.

"There were no criticisms by any of the NATO allies of our missile defense proposals or of our moving forward," Gates said. "There obviously is interest in trying to encourage the Russians to participate with us, to make the system complementary to NATO shorter-range missile defenses, and for transparency."

These systems would be "bolted on" to the U.S. system, which is designed to counter long-range missiles, in particular a potential threat from Iran, alliance officials said.

"The NATO road map on missile defense is now clear," said Jaap de Hoop Scheffer, the NATO secretary-general. "It's practical, and it's agreed by all."

A senior U.S. official was even more explicit than Gates in summarizing NATO's support. "What you see here is allies agreeing to adapt NATO's work to the reality that there will be a long-range system, as well," the official said.

NATO had already been studying a theater-wide missile defense system, and the decision made Thursday alleviates the alliance of the financial and political costs of creating long-range missile defenses.

US May Leave Gaza to Hamas, Supporting Fatah in West Bank

By Helene Cooper

THE NEW YORK TIMES

WASHINGTON

Bush administration officials said Thursday that they had been discussing the idea of largely acquiescing in the takeover of Gaza by the militant Islamic group Hamas and trying instead to help the Fatah party of the Palestinian president, Mahmoud Abbas, retain its stronghold in the West Bank.

The United States had quietly encouraged Abbas to dissolve the Palestinian government and dismiss Prime Minister Ismail Haniya, steps that Abbas announced Thursday, administration officials said. Before the announcement, Secretary of State Condoleezza Rice telephoned Abbas to reiterate U.S. support for the move, they said.

"President Abbas has exercised his lawful authority as the president

of the Palestinian Authority, as the leader of the Palestinian people," Rice said. "We fully support him and his decision to try and end this crisis of the Palestinian people and to give them an opportunity for — to return to peace and a better future."

The state of emergency that Abbas announced has underscored the widening rift separating Gaza, where Hamas has largely routed Fatah's forces, and the West Bank, where Abbas still has a strong base. But diplomats and Middle East experts said a "West Bank first" strategy might now be the last option for Rice to salvage something from her plans to push for an Israeli-Palestinian peace deal.

The State Department insisted that the United States had no plans to abandon Palestinians living in Gaza.

Many diplomats and Middle East experts said they read Abbas' decision as an attempt to cut his losses

in Gaza and consolidate power in the West Bank. Israeli officials are promoting a proposal that the West Bank and Gaza be viewed as separate entities, and that Israel act more forcefully in Gaza to crack down on Hamas militants.

Senior Bush administration officials said no decision had been made. Some State Department officials contend that the administration could only support such a separation if Israel agreed to make political concessions to Abbas in the West Bank, with the goal of undermining Hamas in the eyes of Palestinians by improving life in the West Bank.

But it would be diplomatically perilous for the United States to be seen as turning its back on Gaza. Almost half of the Palestinian population lives on the teeming strip of land. A more desperate Gaza could become a breeding ground for al-Qaida.

WEATHER

Which Way the Wind Blows

By Brian H. Tang
STAFF METEOROLOGIST

This time of year, one can often figure out how warm or cold it will be based only on whether the wind is blowing from the ocean. The water is still a chilly 55°F (13°C) in Boston Harbor. If there is no sunshine and a strong wind out of the east, as there was last Wednesday when it felt more like the beginning of April than mid-June, our air temperature will be very close to the water temperature in the harbor. If instead of clouds we have the strong June sun, the marine air will absorb heat from the sun-drenched ground as it moves towards campus, resulting in afternoon temperatures near a comfortable 70°F (21°C). With the prevalence of more clouds than sun today, we'll likely fall short of 70°F (21°C), but it will still be warmer than the past couple of days.

On the other hand, a breeze off the land generally signals a warmer day — with one caveat. When the wind starts out of the west in the morning (or if it's a calm day with no wind), temperatures will rise quickly but then level out or even drop a few degrees if an afternoon sea breeze kicks in. This situation may play out tomorrow and will yield a pleasant day. However, if a west wind persists during the entire day with full sunshine, temperatures tend to rise above 80°F (27°C), sometimes even approaching 90°F (32°C), especially if the wind is out of the northwest. See the forecast for Sunday.

Extended Forecast:

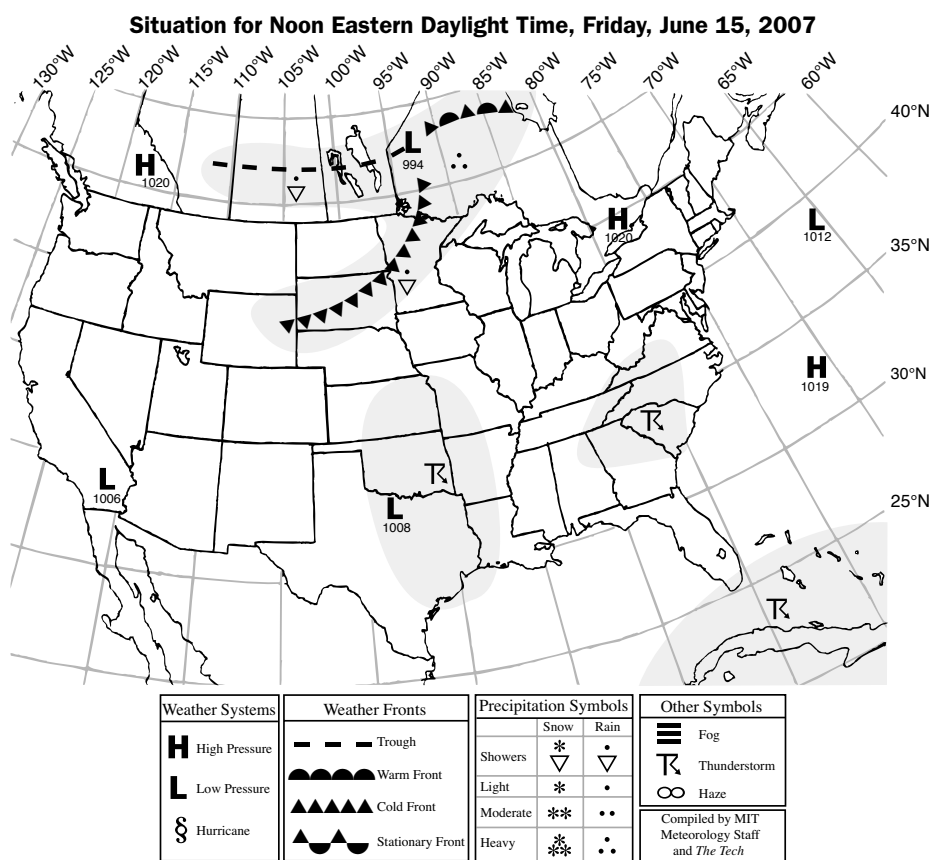
Today: Cloudy in the morning, then partly clearing in the late afternoon. Light northeasterly winds. High 66°F (19°C).

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

Tomorrow: Mix of sun and clouds. Calm winds in the morning, then a light sea breeze in the afternoon. High 75°F (24°C).

Tomorrow night: Mostly clear. Low 63°F (17°C).

Father's Day: Sunny in the morning, then increasing clouds with isolated showers and thunderstorms. Light westerly winds. High 84°F (29°C).



As Bounty of Low Rates Fades, Leaner Times May Be Imminent

By Gretchen Morgenson and Vikas Bajaj

THE NEW YORK TIMES

The unusually low interest rates of the last three years have been an enormous boon to almost every corner of the U.S. economy.

They have provided consumers with dirt-cheap mortgages that fed the real estate boom. They have supplied easy credit to companies and investment firms, propelling stocks and corporate profits to record highs and fueling a buyout binge.

Now that party may be coming to an end.

Yields on the 10-year Treasury note — a benchmark that influences many long-term interest rates, including home mortgages — jumped sharply on Tuesday and are up significantly in the last month. The fallout is likely to be widespread, and felt most immediately by homeowners and people looking to buy homes.

Economists said homeowners trying to refinance their adjustable-rate mortgages before they reset to higher levels are already feeling pinched. The national average for the

30-year fixed-rate mortgage jumped to 6.74 percent Thursday. At the beginning of the year, the average was 6.18 percent, according to Freddie Mac, a big buyer of mortgages.

Last year, adjustable-rate loans accounted for 25 percent of mortgage applications, up from 11 percent in 1998, Freddie Mac said. Demand for adjustable-rate loans peaked in 2004 at 33 percent; many of those are at or near the reset point.

"It's going to be tough," said Adam L. Stein, president of the Washington Association of Mortgage Brokers near Seattle. "I talk to people every day looking to get the fixed rate. You give them the current rate and they say, 'That doesn't do anything for me.'"

Homeowners are not the only ones who will have to swallow higher costs. Corporations, accustomed to financing operations with cheap debt, will see their expenses rise, cutting into profits. In addition, rate increases will crimp the private equity buyout boom, which has been fed in large part by the heavy issuance of corporate debt at low rates.

"There has been a half a percent-

age point rise in rates while inflation has been flat, so the real cost of capital has gone up for consumers and for Corporate America," said Mickey Levy, chief economist at Bank of America. He said he expected the increase to put pressure on stocks and dampen already-weak demand for housing.

The recent rate move came as something of a surprise to Wall Street. It is the result, traders say, of heavy selling by foreign investors, who may be growing concerned about inflation, and holders of mortgage securities hoping to reduce the risks associated with higher rates.

Some bond strategists said the recent rate spike is only the beginning. The sharp increase, they said, is just starting to bring interest rates back to their normal or long-term trend levels.

"Bond yields have been so low for so long," said Richard Suttmeier, chief market strategist at Right-Side Advisors. "But yields in the 10-year have moved up almost 100 basis points since the end of February. That, to me, is a big shock and enough for people to take notice."

Clintons Sell Millions in Holdings To Escape Any Political Liability

By Patrick Healy

THE NEW YORK TIMES

WASHINGTON

Concerned that their personal finances might become a political liability once again, Bill and Hillary Rodham Clinton in April sold the millions of dollars of stocks held by their blind trust after becoming aware that those investments included oil and pharmaceutical companies, military contractors and Wal-Mart, among others, their aides said Thursday.

The Clintons liquidated the trust — valued at \$5 million to \$25 million — and are leaving the proceeds for now in cash in an effort to eliminate any chance of ethical problems or political embarrassment from their holdings as Hillary Clinton runs for the 2008 Democratic presidential nomination, their advisers said. By disposing of all their stocks, Hillary Clinton was seeking to avoid potential conflicts of interest that might arise from legislation that she votes on in the Senate, as well as avoid holding financial stakes in companies and industries — like Rupert Murdoch's News Corp., the owner of Fox News — that could draw criticism from

some Democratic voters.

Clinton automatically became aware of her investments because of a government directive this spring that she, as a presidential candidate, had to dissolve her blind trust and disclose all of her assets to the public.

The decision by the Clintons to sell their stock carried a financial cost, according to their advisers and new personal financial documents made available on Thursday. The couple will owe "substantial amounts" in capital gains taxes, an adviser said, and are giving up the potentially higher returns from stocks for the safety but generally lower returns of holding their money in various forms of savings accounts.

According to the financial disclosure documents, the couple's total net worth falls between \$10 million and \$50 million. Besides investments, Bill Clinton earned about \$10 million in paid speeches in 2006, continuing a pattern since he left office of earning large sums through speeches and other activities in order to help pay off legal bills and cover the couple's expenses. Hillary Clinton earned \$350,025 in royalties for her autobi-

ography, "Living History."

The Clintons sold the stock as they prepared to disclose their holdings under government ethics rules for presidential candidates. Until getting ready to release the holdings in the blind trust, the Clintons did not know what stocks and other financial assets it contained. But the rules did not require the Clintons to sell the stock, according to their advisers.

Their decision to cash out their holdings was a reminder of their history with investments that, fairly or not, came back to haunt them politically, most notably the Whitewater real estate affair that dogged them through Bill Clinton's presidency.

In 1993, Bill Clinton complied with federal ethics rules and created a qualified blind trust to hold and invest the family's assets. Under the rules, public officials must disclose their assets at the time of the creation of the trust, and then hand off day-to-day management of the trust and its investments to an independent trustee. Officials who set up blind trusts are not aware of, nor do they have influence over, the investments chosen.

151-45 Vote Shuts Down Amendment To Outlaw Same-Sex Marriage in MA

By Pam Belluck

THE NEW YORK TIMES

BOSTON

Same-sex marriage will continue to be legal in Massachusetts, after proponents on Thursday won a months-long battle to defeat a proposed constitutional amendment to define marriage as between a man and a woman.

"In Massachusetts today, the freedom to marry is secure," Gov. Deval Patrick said after the legislature voted 151-45 against the amendment, which needed 50 favorable votes in order to come before voters in a referendum in November 2008.

The vote means that opponents would have to start from square one to sponsor a new amendment, which could not get on the ballot before 2012. Massachusetts is the only state where same-sex marriage is legal, although five states allow civil unions or the equivalent.

Thursday's victory for same-sex marriage was not a foregone conclusion, especially after the amendment won first-round approval from the previous legislature in January, with

62 lawmakers supporting it.

As late as a couple of hours before the 1 p.m. vote on Thursday, advocates on both sides of the issue said they were not sure whether enough legislators would be convinced to switch their votes and stop the amendment in its tracks. The eleventh-hour decisions of several legislators to vote against the amendment followed intensive lobbying by the leaders of the House and Senate and the governor.

"I think I am going to be doing a certain number of fundraisers for districts, and I am happy to do that," said Patrick, who said he tried to persuade lawmakers not only that same-sex marriage should be allowed but also that a 2008 referendum would be divisive and distract from other important state issues. "There was a lot of rich discussion. Most of what I've committed to do is show up and support and indeed celebrate the political courage that was shown here today."

About 8,500 same-sex couples have married in Massachusetts since the unions became legal in May 2004. In December 2005, opponents, led by the Massachusetts Family Institute,

gathered a record 170,000 signatures for an amendment banning same-sex marriage. Patrick's predecessor, Gov. Mitt Romney, supported that effort.

Kris Mineau, president of the Massachusetts Family Institute, did not indicate whether opponents would start a new petition drive, but said, "We're not going away." He added, "We want to find out why votes switched and see what avenues are available to challenge those votes, perhaps in court."

The vote reflected changes in the makeup of the legislature, the election of Patrick, and lobbying by national and local gay rights groups.

"This was the focus of our national community," said Matt Foreman, executive director of the National Gay and Lesbian Task Force. "Frankly, a loss today would have been very demoralizing."

It is difficult to know how support for same-sex marriage has changed since legalization because polls taken before and after have asked different questions. The most recent poll in April 2007 found that 56 percent of those surveyed would vote against the amendment.

Violence Rising In Much Of Iraq, Pentagon Says

By David S. Cloud

THE NEW YORK TIMES

WASHINGTON

Violence increased throughout much of Iraq in recent months, despite a security crackdown in Baghdad that at least temporarily reduced sectarian killings there, according to a quarterly assessment of security conditions issued Wednesday by the Pentagon.

The report, which analyzed data from February through early May, said it was too early to say whether the security effort in Baghdad would achieve lasting security gains. And it described in more detail than officials had previously how security conditions in other parts of the country had worsened when U.S. and Iraqi forces shifted in large numbers into the capital.

"The aggregate level of violence in Iraq remained relatively unchanged during this reporting period," the report said. "Violence has decreased" in Baghdad and in Anbar province, which have long been the country's most violent areas, "but has increased in most provinces, particularly in outlying areas around Baghdad and in Nineva and Diyala provinces." Attacks have also increased in Basra province in the south, because of fighting between rival Shiite militants, some of whom fled Baghdad because of the security crackdown, it added.

Although precise data are not included in the report, attacks on civilians and Iraqi and U.S. troops increased by two percent from the previous quarter, the report said. The average number of attacks has exceeded 1,000 per week since the beginning of this year through early May, the highest level since the U.S. invasion in 2003, it said.

Lab Head Explains DNA Report In Duke Case

By Duff Wilson

THE NEW YORK TIMES

RALEIGH, N.C.

The prosecutor in the Duke lacrosse case had nothing to do with a laboratory's decision to not say in a report that tests had found DNA from at least four unknown men on the body and underwear of a stripper who accused the students of gang rape, the lab director said Wednesday.

The testimony was given on the second day of an ethics trial of the prosecutor, Michael B. Nifong. Some of the most serious charges, which could result in Nifong's disbarment, involve a reported agreement between him and the lab director to exclude the DNA information from the report last year.

Brian W. Meehan, director of the laboratory, DNA Security, said it was his decision alone not to refer to the unidentified male DNA in a report. Meehan, a witness for the state agency prosecuting the case, said Nifong had asked for a report on identifiable male DNA and did not limit what else he could write in the report.

"Nifong never directed what should be in or out of the report," Meehan said, other than its main purpose of showing DNA matches to known males, like a match with 98 percent certainty between one suspect and false fingernails found in the suspect's trash can. The report also said no other DNA from the woman matched lacrosse players.

The chairman of the three-member panel hearing the case, F. Lane Williamson, repeatedly pressed Meehan, asking whether the evidence of contact with at least four unidentified males would have been important in deciding the case if it had gone to trial.

Gasoline Pushed Up Producer Prices In May

By Jeremy W. Peters

THE NEW YORK TIMES

A double-digit jump in the price of gasoline pushed inflation at the wholesale level up in May, but tame increases for most other goods suggested that price increases were largely contained and businesses would not react by raising prices.

The Labor Department said Thursday that the Producer Price Index, a national survey of prices before they reach retail buyers, accelerated 0.9 percent in May, from 0.7 percent in April. From May 2006 to May 2007, they rose 4.1 percent.

But the gains in wholesale inflation were not as great as the numbers might suggest, economists said. The core level of producer inflation, which excludes food and energy costs, rose by a relatively mild 0.2 percent, a sign that inflation had been contained last month.

"The thing to notice is that core Producer Price Index has been almost flat for three straight months," Kevin Harris, chief economist with Informa Global Markets, said. "There's very little evidence that producers are pushing prices forward from the intermediate level to the consumer. They're just not doing it, and that is a definite shift."

House Votes To Bolster Database On Gun Buyers

By Jacqueline Palank and Ian Urbina

THE NEW YORK TIMES

WASHINGTON

The House voted Wednesday to close a loophole in gun control laws that allowed the Virginia Tech gunman to buy firearms even though he had been committed to a mental hospital. The Senate is likely to follow suit, marking the first time since 1996 that Congress has approved a measure strengthening gun control.

The bill's approval, on a voice vote, came on the same day as the release of a report President Bush ordered after the shootings in April at Virginia Tech, in which a student killed 32 people and himself. The Cabinet agencies that wrote the report found that schools, doctors and the police were not fully aware of what information could legally be shared in a web of confusing and overlapping privacy laws.

The House bill would provide grant money for states to update the national database that gun dealers use for background checks on prospective buyers. The update would add more criminal records and mental health information to the database.

One of the sponsors of the bill was Rep. Carolyn McCarthy, a New York Democrat who has led other efforts to tighten gun control laws.

Two co-sponsors were her ideological opposites: Rep. Lamar Smith, a Texas Republican who supports gun rights, and Rep. John D. Dingell, a Michigan Democrat who served on the board of the National Rifle Association. Both the NRA and the Brady Campaign to Prevent Gun Violence supported the measure.

OPINION



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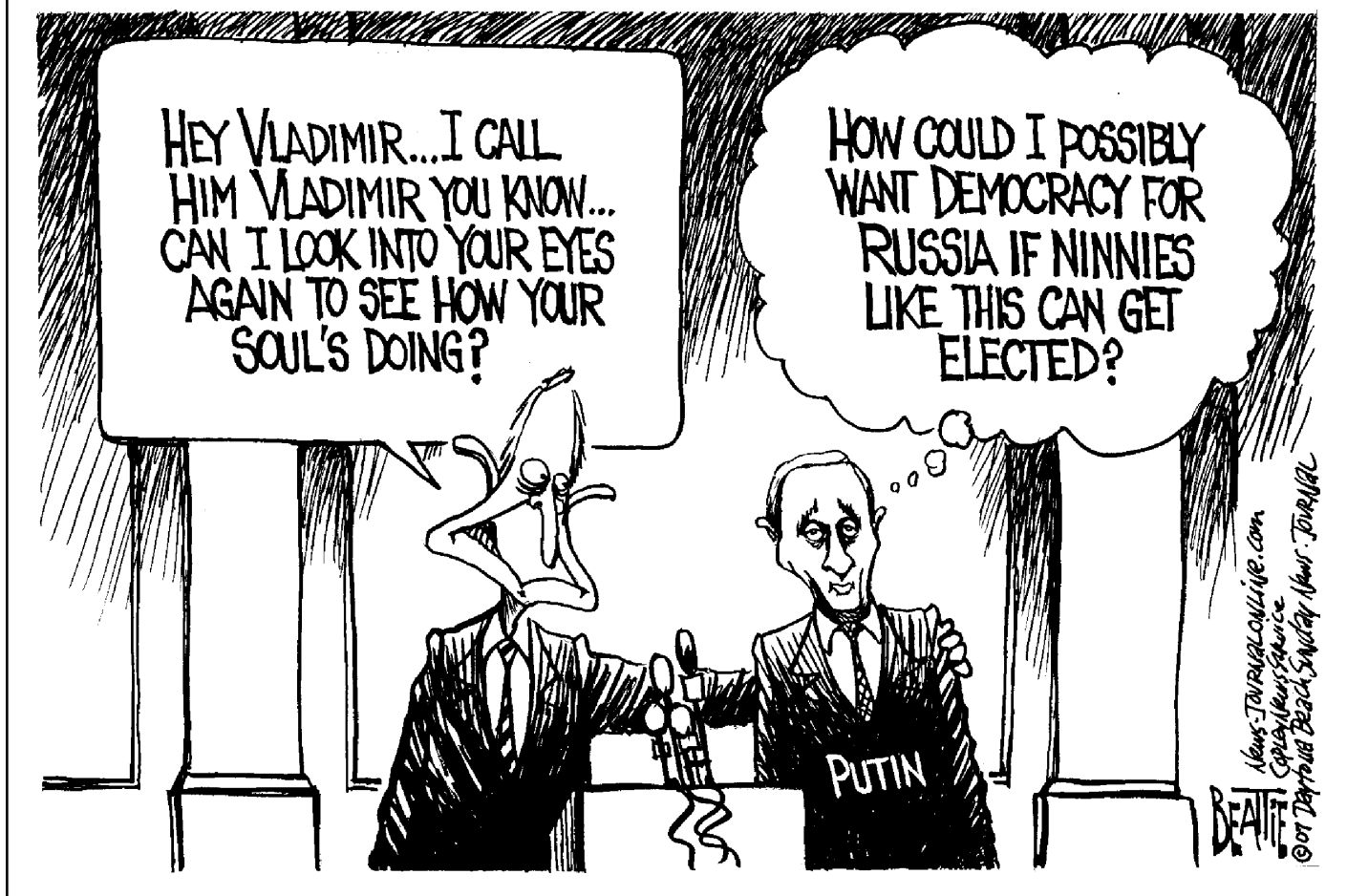
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Corrections

The June 8 letter to the editor, "Maintaining Curriculum Standards Depends on Admissions Criteria," suggested that the reduction of the physics and calculus core requirement from two years to one year was a recent occurrence. In fact, the requirement was reduced in 1964, not "a short time ago." *The Tech* previously published a correction in response to a similarly misleading statement in a May 11 letter (<http://www-tech.mit.edu/V127/N26/correction.html>).

A concert review of the Boston Pops in the June 8 issue of *The Tech* misstated the source of the piece "Luke and Leia." It was performed in "Return of the Jedi," not "The Empire Strikes Back."



Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of Chairman Michael McGraw-Herdeg, Editor in Chief Marie Y. Thibault, Managing Editor Austin Chu, Executive Editor Rosa Cao, and Opinion Editors Barun Singh and Aditya Kohli.

Dissents 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, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. 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, addresses, 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. *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 without italics are written by *Tech* staff.

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Class of 2007 President Susan J. Shin shakes President Susan Hockfield's hand while presenting the senior class gift during Commencement.

BRIAN HEMOND—THE TECH

Hockfield Asks Graduates To Lead and Inspire

Below is the text of MIT President Susan Hockfield's charge to the graduates, delivered at MIT's 141st Commencement held June 8, 2007.

I want to speak to those of you graduating today about your path here at MIT and the path that leads from MIT into the world. Of course, before you arrived at MIT, each of you had already demonstrated significant talents — that is why we invited you to join our community. Once you arrived here you took up MIT's challenges, and — working, I am certain, harder than you ever had before — you have taken your academic accomplishments to new levels. Today's ceremony is our community's expression of our pride in what you have achieved.

Our appreciation of your accomplishments would be far too narrow if it included only your academic successes. Beyond the classroom and the laboratory, you have also excelled on the stage and on the playing field, in service projects and in entrepreneurship. And, what is perhaps most important, you have also begun to distinguish yourselves as leaders.

MIT itself has a deep commitment to leadership, demonstrated time and again, in myriad ways:

- ¶ In the foundational science that led to the new targeted cancer therapies, Gleevec for leukemia and Herceptin for breast cancer.

- ¶ In innovative plans to rebuild devastated New Orleans neighborhoods.

- ¶ In countless businesses, from startups in Kendall Square to industry giants across the technology landscape.

- ¶ In fresh approaches to meeting the world's energy needs, including new technologies for energy storage and for solar energy conversion.

- ¶ And in novel uses of technology to convey the immortal truths of the humanities.

And in many different ways — from the UROP program to the \$100K competition, from 2.007 to the Public Service Center — our goal has been to teach you how to become leaders yourselves.

We have done this, graduates of MIT, because the world today needs your leadership. We need your leadership as we face the challenges of an increasingly complex and interdependent world. And we need your leadership to develop new ways to bridge old divides — not only between peoples and nations, but also between technology and policy. MIT's enduring motto, "Mens et Manus" — "Mind and Hand" — is a reminder that leadership in the modern world depends critically on integrating across different perspectives for the common good.

From one point of view, the leadership we call you

to assume today might appear to be an obligation, perhaps a burden. But that would be a grave mistake. Leadership is a privilege and it is a joy. And I can assure you that in using your talents to serve others, you will find the most enduring of personal satisfactions.

Even as you leave this place to become your generation's leaders, you will remain members of this community. At the close of this morning's ceremony, Martin Tang, the President of the Alumni Association, will formally welcome you into the Association's membership. And we hope that your lives will be enriched by an ongoing connection to the Institute.

And it is my fervent hope, that as you join new communities, you will transmit to them the values that define the MIT community. That you will make integrity the touchstone of your judgments. That you will exemplify the pursuit of truth and an unwavering drive for excellence. And that you will continue to demonstrate the value of good, old-fashioned hard work.

Beyond these great aspirations for you, I make a more pressing request: I ask of you to inspire your own generation and the generations to come with a renewed sense of optimism for the future.

MIT's founding vision was both practical and idealistic in its insistence that our work must, as engraved across the frieze of Lobby 7, advance "industry, the arts, agriculture, and commerce." That optimism for a better future has made MIT a beacon visible the world over. This weekend, we will celebrate MIT's optimism for the future by re-igniting one of our most powerful symbols. After the late summer sunset tomorrow evening, for the first time in more than three decades, we will fully re-light the great dome.

The lighting of the dome signals the importance of what we do. Here at MIT, we see up close, every day, the countless ways that science and technology benefit humankind. But if we are to realize our optimism, we need to kindle in others the same love and passion for truth and discovery, for creativity and problem-solving, that brought us all here. I hope that each of you will embrace this challenge as your own — that you will let your light shine out to illuminate the paths for others.

I would not set you this challenge if I did not think, and truly believe, that you could meet it. I have tremendous faith in you. Your intelligence, your dedication, and your creativity have inspired us during your time here. And I know that in the years to come you will do even more — and surprise and delight us with your further achievements.

For your accomplishments here at MIT, I offer you my heartfelt congratulations, graduates of MIT!

SOURCE: MIT NEWS OFFICE

We Survived! Graduates Urged to Use Powers for Good, Not Evil

Below is the text of Class of 2007 President Susan Shin's address to the graduates during Commencement on June 8.

My friend Melvin introduced me to "Heroes," a TV show that tells the story of ordinary people who discover that they possess extraordinary powers. When they find out that they have these remarkable abilities, they begin to accept their gifts, learn to control their powers, and discover others who are as special as they are. As these strangers from across the globe come to meet each other, they find that they are all united by a common goal: to save the world.

Hiro Nakamura is one of the show's main characters, and he has the ability to bend space and time. At first, Nakamura uses his abilities for fun, showing off to his friends and taking little vacations through time. But, he quickly realizes that because he has this power, he has a great responsibility to the rest of the world.

On a trip into the future, Nakamura witnesses a horrific crime that wipes out an entire city, killing millions. Once he returns to the present, his doubts cause him to lose faith in his abilities, and because of his doubts he is suddenly unable to travel through time. He begins to worry if his powers will be strong enough to defeat his enemies and save his friends and to build the future that he wants to see for himself. What Nakamura finally realizes is this: everyone has their fears, but heroes overcome them.

When I look out into the audience today, I see my friends, my classmates, my heroes, and I recognize their extraordinary gifts. There are students here who have published research, patented new technology, and started their own companies. Others have won national championships or even courageously battled a life-threatening illness. All of us have persevered through the hardships of life at MIT and achieved greatness, because, when it came time to choose between giving up and hoping, we made the right choice. When that opportunity to be a hero comes to you, what will you do? When a moment of consequence arrives, it is my hope that we will relish that moment, rise to the occasion, and inspire by example.

We, the graduating class of 2007, may not be able to fly or teleport ourselves, but we don't need these special powers to save the world. In fact, we have something much more important: the hope that we can change the future for the better. All of us set to graduate have struggled to hold on to this hope despite all that MIT has thrown at us, but it is because of the others here today — our family, friends, and teachers — that it has remained strong. And it is because of where we are today, the place to which we are now saying goodbye, that we have the chance to fulfill our hopes and dreams.

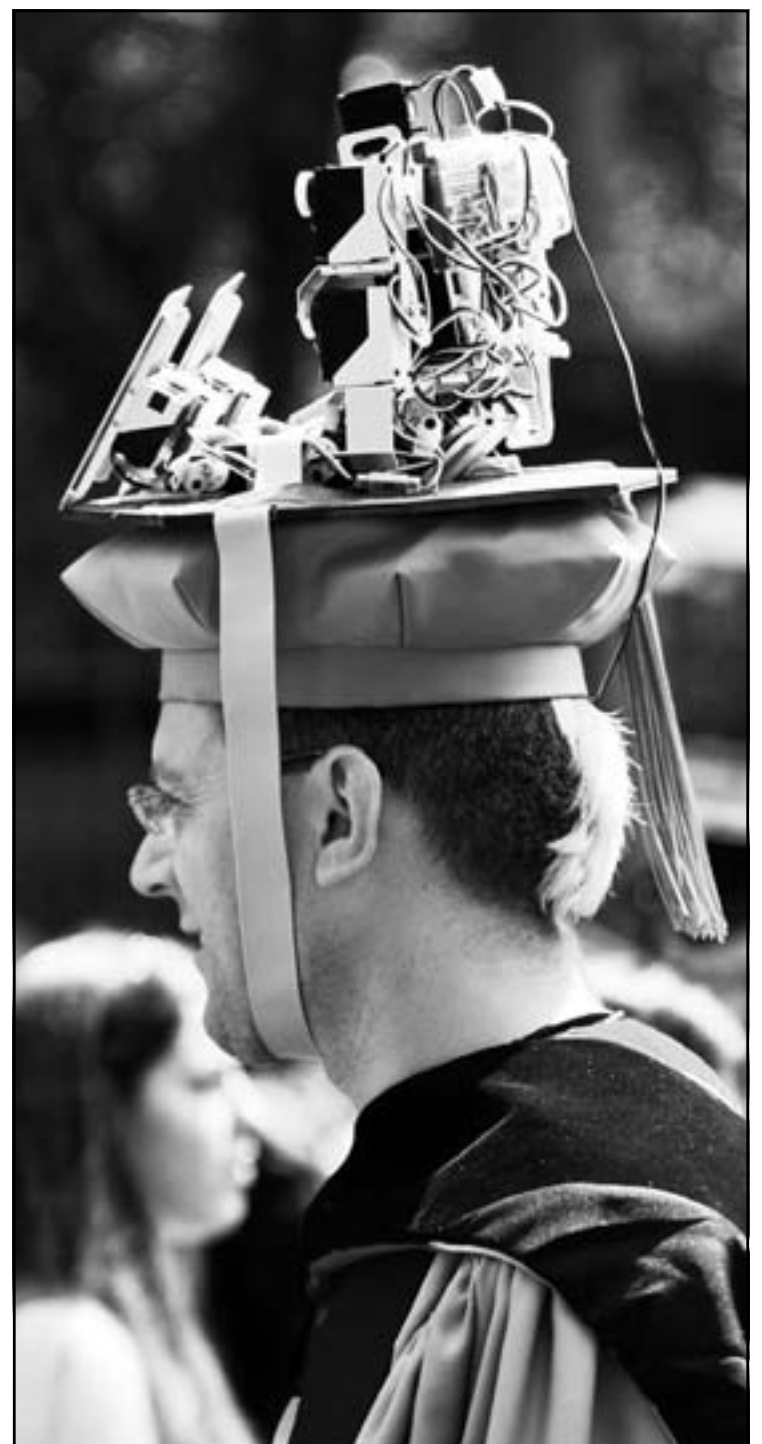
When we give ourselves something to look forward to, no matter how great or small the event, we are giving ourselves hope. When there is hope built into tomorrow, there are all kinds of opportunities to overcome the obstacles we face today. In a short while, we will walk across this stage as MIT graduates, having conquered our fears and doubts, ready to save the world.

Today is a day of great happiness. We have survived the Institute. And we have so much to look forward to after today.



Graduates turn to give thanks to family and friends.

RICARDO RAMIREZ—THE TECH



Andrew G. "Zoz" Brooks '07 wears a robot on his mortarboard as a reflection of his doctoral thesis on human-robot communication.

RICARDO RAMIREZ—THE TECH

Embrace Opportunity: Good Things Come to Those Who Serve

Below is the text of MIT President Emeritus Charles M. Vest's charge to the graduates, delivered at MIT's 141st Commencement held June 8, 2007. Vest served as president from 1990 through 2004. He will begin a six-year term as president of the National Academy of Engineering on July 1.

Before I begin, I must tell all of you that I have listened to more commencement speeches that you can imagine. I have also invited more commencement speakers to campuses than you can imagine.

From this I learned that students usually feel that they were short-changed. Hypothetically ... just hypothetically ... they might say things like "Jeez. Harvard got two Bills and all we got was one Chuck."

But it's okay, because I want to speak to you ... not to the world. And, because this is MIT, I am going to talk to you about Big Things — namely Opportunity and Service.

Here are two things I know about opportunity:

First, MIT is the greatest place on the planet when it comes to radiating education, opportunity, and service.

Second, you never know when or how opportunity will materialize. Don't try to plan it or predict it because you'll undoubtedly be wrong.

How do I know these two things about opportunity? I know them because of the two letters I received from MIT during one 22-year period. I received the first letter from MIT in 1968. It informed me that the Institute was not interested in my application to become an assistant professor.

So in Ann Arbor I happily taught, did research, wrote a book, painted the house, helped Becky raise our children, and above all else avoided committee assignments.

But 22 years later in 1990 a second letter came from MIT ... this one asked me to serve as MIT's president. Not in my wildest dreams as a young faculty member, could I have imagined that one day I would be called to serve as president of this remarkable institution.

So always read your mail from MIT. There is an outside chance that instead of asking for an alumni donation, it may ask you to be president ... or perhaps commencement speaker.

Being president of MIT brought me experiences that I could barely have dreamed of. Because of the opportunities created by education and by the place of MIT on the world stage, I would come to meet, know, or work with the kings, queens, presidents, premiers or prime ministers of many nations; with the first human to set foot on the moon; with great artists and musicians; with the leaders of huge corporations; and with remarkable young entrepreneurs.

So what happens when you're with the powerful and famous?

Well, in 2001 my wife Becky and I had tea with Queen Elizabeth at Buckingham Palace.

Would you like to know what she said to me? She asked what I thought about Harry Potter. Thank goodness I knew enough to mumble something about muggles and Hogwarts, but believe me, it was a close call.

Or consider this: In 1994 I found myself in the East Room of the White House when all living Apollo astronauts came together to celebrate the 25th anniversary of the first moon landing. As I was leaving that event, both Carl Sagan and the President of the United States sought me out to shake my hand and thank me personally for a small role I had recently played in our space program.

With swelled head and adrenaline rush, I floated out of the White House to catch a taxi-cab. Then I heard someone on the street call my name. I turned around to find a former MIT graduate student, who proceeded to berate me with a five-minute litany of pent-up complaints about some aspects of her experience here. She was certain that I had been personally responsible for all of them.

There's nothing like encountering an MIT graduate to keep your head out of the clouds and your feet on the ground!

But my real point here is that education — and MIT — opened amazing doors of opportunities to me — opportunity to learn, opportunity to teach, and opportunity to serve a greater good.

Indeed, the opportunity to serve is what I have valued above all else. I had the opportunity to serve as a voice for science, engineering, and higher education, and for the importance of our nation being open to scholars from all over the world — at a time when America sorely needed to think about these things.

And I want you to know that the people I

have most valued knowing and working with are not the leaders of nations, or corporate titans ... they are my faculty colleagues: the intellectual leaders, the teachers and scholars who are the essence of MIT, and who give you and gave me the opportunity to literally change the world.

The opportunities for which they have prepared you will be as breathtaking as they are formidable ... and most of them are beyond today's imagination. One reason is that they are mostly global in scale and very complex. Another reason is the continuous acceleration of technological progress. The future is rushing at us more quickly every year. Just consider this:

After the automobile was introduced, it took 55 years (in essence a lifetime) for 25 percent of the U.S. population to have a car.

It took 35 years (the length of a typical career) for the telephone to reach 25 percent of the U.S. population.

It was 23 years for radio, 16 years for the personal computer, 13 years for cell phones, and only seven years for the World Wide Web.

Do you feel the acceleration? This expo-

stantial growth?

Well we'd better get used to it. Three thousand new books are published every day. And the amount of technical information is doubling every two years.

But along with all this acceleration and exploding information, you have entirely new tools. Many of these new tools come from information technology or from 21st century life science.

Your generation ... is already leading us into a new domain of global interaction. I am convinced that your way of communicating and working: Second Life ... Wikipedia ... YouTube ... social networking, social computing ... open innovation ... these things reflect a fundamental transformation.

You can and must guide this transformation. You can use it to make money. You can use it to revel in catching politicians and movie stars making stupid mistakes. Or you can use it to bring what James Surowiecki calls "the wisdom of crowds" to work together to solve important problems and to build a more inclusive, engaged, and more egalitarian world. It's your choice.

That's about information. What about the life sciences?

We are barreling along three great frontiers of 21st century life science and biotechnology — frontiers that present extraordinary challenges and opportunities:

The first is to realize the promise of genomic medicine — to put a powerful base of rational science beneath the practice of human medicine, and to tailor medical treatments to each individual patient.

The second challenge is to dramatically advance our understanding of the human brain and mind ... of memory, learning, and communication ... and to attack the mental and emotional illnesses that today wreak havoc on so many lives.

The third is to revolutionize much of engineering, using the stuff of life as templates. And using biological mechanisms to design and grow new materials and to create new production techniques that mimic the efficiency of nature — thereby greatly reducing the environmental footprint left by industry.

Or to cite a more prosaic example: last year researchers announced they had cloned pigs that make their own omega-3 fatty acids. Imagine, on the horizon, sausage as health food.

But there is more. Already the term "bio-hacking" is heard along the Infinite Corridor.

"Biohacking" ... just think about the significance of that term! It of course heralds the advent of synthetic biology ... the fusion of engineering and biology to design and build novel biological functions and systems.

Will these new capabilities of information science, life science, engineering, and their combination be used for good or ill? How will you grapple with the ethical and legal questions that will come along with these new powers? How will you influence the public discourse and action on these questions?

These are enormous challenges — in large part because technological advancement usually outpaces social advancement.

For example, the design of the Internet that forms the basis of so much opportunity in the

world today was predicated on mutual trust ... trust that you are who you say you are and are doing what you say you are doing. But now we have viruses, worms, and phishing. (That's P-H-I-S-H-I-N-G. You have to explain to your parents what that means.)

These human-developed technological evils can be serious. Just a couple of weeks ago, hackers brought down the cyber-structure of an entire nation, Estonia. This is a highly wired country, and its government, business, and economy were very seriously impacted.

Because of all this, colleagues tell me that the Internet must now be redesigned with security — rather than trust — at its core. And we are all aware of the debates around genetic counseling, stem cells, and genetic modification of crops and food.

Such redesigns and such debates are a necessary part of life in a free society. But you must be prepared to engage in the public dialogue and bring to it your own moral compasses and your commitment to applying the rationality of science and engineering to improving the human condition.

But let me turn the clock back 50 years.

Each of us has a few moments of seemingly random moments of the past that from time to time spring into our minds with full clarity of sight, sound, and feeling.

One such memory for me is simply of walking to high school on a sunny morning in 1957. I lived only two houses from the school, so if I left home when the first bell rang, I could make it into my seat before the second bell.

Be that as it may, I remember on that day a feeling of absolute joy, well-being, good fortune, and optimism. The air was warm and clear; the American flag was fluttering in front of the school; the sky was blue — and the sky was the limit.

Life was good. The fact is that joy, well-being, good fortune, and optimism were the right things for me to feel. Life indeed was good ... if you were a boy growing up middle class and white in an American college town in the 1950s.

Much water has flowed over the proverbial dam in the years since then. But you know what? I still believe that my optimism was well founded.

You may say "Yes, but when you were young your world was much simpler and certainly more insular than ours."

"Today, we face incredible global challenges.

"We have to improve the world's health, economies, security, and quality of life.

"We have to provide water and food for the burgeoning peoples of the earth.

"We have to give them clean air to breathe and clear blue skies to make their spirits soar.

"We have to provide the energy that they will need to lessen their burdens, integrate them into the world community, and give them economic opportunity.

"We have to cure their ills and safeguard their wellbeing.

We have a much harder road than you did. Why should we be optimistic?"

Well, in some ways you are right. But let me leave you with another perspective.

When I was young, I sat in our comfortable home in front of a black-and-white television and watched an interview with Dr. Tom Dooley, an American medical doctor serving people in Asia in the midst of unfathomable poverty and dire living conditions. Dr. Dooley held up in front of the camera a tiny, ill, starving child with a distended belly. Now, I have to explain that in the 1950s, such sights were never seen on television, or even in magazines. It was shocking, and I recoiled emotionally.

But then he calmly said, in essence, "When you look at this child you see something horrifying, but I look at this child and know that I have the knowledge and the skill to make him well."

I believe that simple statement is a metaphor for what the graduates of a great university, especially one with the focus of MIT, can and must do — make the world well.

Yes, you do grasp the complexity of the world and you understand the enormity of its challenges, ... but you also have the new tools to resolve them.

In the end, I believe that knowledge and skill trump ignorance, and that optimism trumps pessimism. If you believe this and if you embrace the opportunity to serve, you will find personal happiness and fulfillment beyond expectation, and you will benefit our world and your fellow men and women beyond measure.

Good luck, and Godspeed.

SOURCE: MIT NEWS OFFICE

Graduates Cel



BRIAN HEMOND—THE TECH



Celebrate in Killian Court During MIT's 141st Commencement



BRIAN HEMOND—THE TECH



RICARDO RAMIREZ—THE TECH



BRIAN HEMOND—THE TECH

Commencement 2007 was held in Killian Court last Friday. Over 2,500 degrees were awarded to over 2,000 students by President Susan Hockfield. President Emeritus Charles M. Vest delivered the Commencement Speaker's Address. Vest began with a quip about students getting a "Chuck" instead of "two Bills" and ended with a call for graduates to "benefit our world and your fellow men and women beyond measure."

The weather was clear and warm. Water bottles were provided to the graduates and given out to friends and family. The ceremony itself was only three hours long, while celebrations lasted well into the night.

(clockwise from above)

Graduates file into their seats to await the end of Procession.

Graduate Dhruvatej Boddupalli '07 cheers as "Master of Business Administration" is announced.

A MIT Campus Police honor guard carries the American, Massachusetts, and MIT flags to the Commencement stage.

A student graduates just in time.

President Susan Hockfield and Chairman of the Corporation Dana G. Mead PhD '67 lead the academic procession into Killian Court.

Drink Coffee, Have Fun, and Don't Forget to Count Your Blessings

Below is the text of outgoing Graduate Student Council President Eric G. Weese's address to the graduates of 2007.

One of the great things about MIT is that it draws students from around the world and from many different backgrounds. You wouldn't be here today, though, if you did not have some things in common: a willingness to work hard, to persevere, to consume distinctly unhealthy quantities of caffeine. In short, you set a very high standard. And it is one I have been trying to reach.

But, the other day, as I was attempting to do thesis research, I was waylaid again by the Internet. (You might know that I am not graduating with you.) I did not completely waste my time, though, because I stumbled upon an interesting complaint, from someone with a \$150,000 job. It reads as follows: "We never seem to have enough money to do anything fun." It may well be that none of us will have all that we want, but it is also likely that we will all have much more than we need. So as you contemplate your possibly imminent ascent up the pay scale, please keep in mind that we are among the most fortunate ever. And we certainly ought to have enough to have some fun and to share it.

Congratulations on your hard earned degrees and best of luck with the future. Thank you.

DAVID M. TEMPLETON—THE TECH



New Dean of Graduate Students Experienced With Tough Issues

Lerman, from Page 1

the dorms, I had the chance to talk to the graduate students outside of research labs," Lerman said. "One of my main goals as the dean is to blend academia and student social life in order to create relationships between faculty and students as well as a strong graduate community in the northwest part of campus."

The statement echoes one of Colbert's long-held goals. "There are 1700 graduate students concentrated in the northwest sector of campus," Colbert said. "When the new Ashdown opens, there will be new challenges and opportunities to

strengthen graduate community, and it is incumbent on the new dean to help define a regional approach to graduate life."

Lerman also plans to expand the work that has been done on recruiting under-represented minorities. "They are better represented in the undergraduate population, and I would like to see that in the graduate population," he said.

Another goal for Lerman is to bring "the necessary information to encourage graduate students to consider going for doctorates and eventually, academia."

To meet the demands of his new appointment, Lerman will resign as

the co-director of SMA and reduce time spent in his lab. "I will try to continue teaching as much as possible, but I will concentrate on being dean as well," he said.

"I think he will be an excellent dean," said Eric G. Weese G, former Graduate Student Council president. "I dealt with Professor Lerman a number of times ... and some of the issues that we discussed, such as [the new graduate residence], were quite controversial."

"Graduate life is in good hands," Colbert said. "We have spent years working up the trust between the administration and the students, and Steve is very approachable."

Current GSC President Leeland B. Ekstrom G said, "Lerman has expressed lots of interest in getting to know the students outside the labs and classes." Ekstrom said that he welcomes the opportunity for the relationship between the GSC and the administration to flourish.

Ekstrom listed some GSC goals that he hoped to pursue with Lerman. "We have numerous advocacy initiatives, such as travel grants and alternative career series, and ideas to improve the social aspects of graduate student life and to secure more funding for graduate student programs."

IS&T Updates Spam Software

Information Services and Technology has updated MIT's spam filtering software to support "allow" and "deny" lists for the "To:" field of e-mails. The lists override the regular spam scoring, and permit all messages to or from a given address to be classified as non-spam (allow lists), or all messages to or from a given address to be classified as spam (deny lists). Prior to Wednesday, June 13, allow and deny lists only supported the "From:" field. The new feature does not operate on the "Cc:" header.

The URL to update spam filtering settings is <https://nic.mit.edu/cgi-bin/spamscreen>. A revised interface makes it easier to maintain larger allow and deny lists.

IS&T encourages users to use these lists instead of filtering in Web-mail. Because these lists are processed before messages are delivered, they work with all mail-reading software.

IS&T instituted the ability to key these lists on the "To:" field in response to loud requests at the August 2006 IS&T-sponsored Spam Forum. Other requests from that event included visibility into how messages were scored, and a solution to problems with MIT mailing lists receiving bounce messages from other sites' spam filters. Those requests have not seen responses.

— John A. Hawkinson

News Brief

Decisions for Summer Funding Depended On UROP Funds Available

UROP, from Page 1

tries to distribute funds as evenly as possible across all departments, research centers, and affiliated research faculty," Martin-Greene said.

The UROP office funded nine students pursuing UROPs out of the country this summer to promote diverse projects, Martin-Greene said.

To promote diverse projects, the UROP office is also funding several students through the International Research Opportunities Program. "It is like UROP in heart and mind, except with the benefit of working overseas and gaining different insights," Bergren said.

According to Martin-Greene, most of the nine students participat-

ing in IROPs this summer are working at CERN, the world's largest particle physics laboratory located in Switzerland.

"IROP will provide the strong MIT faculty-student interaction that UROP offers and globalize our research," Bergren said.

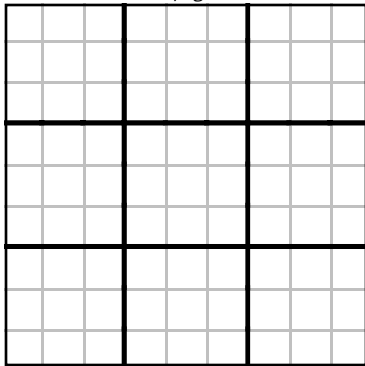
The distribution among classes that received direct funding was fairly even, with about a third of each class receiving funding, according to Martin-Greene. Three percent of non-graduating seniors also received direct funding. Seniors who graduated in June were not eligible for summer direct funding.

Final statistics on the number of funded students will be available after the last summer deadline, on June 21.

Got news tips? news@tt.mit.edu

Solution to Sudoku

from page 10



Solution to Crossword

from page 11

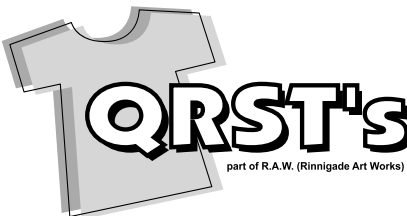


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Optimism Urged For Grads as Leaders in Fast-Changing World

Commencement, from Page 1

the Institute's president from 1990-2004, presenting anecdotes about meeting the living Apollo astronauts at the White House in 1994 and having tea with Queen Elizabeth at Buckingham Palace in 2001.

"My real point here is that education and MIT opened amazing doors of opportunities to me — opportunity to learn, opportunity to teach, and opportunity to serve a greater good," Vest said. "Indeed, the opportunity to serve is what I have valued above all else."

Vest stated that MIT faculty — "the intellectual leaders, the teachers and scholars who are the essence of MIT" — were the ones who had given him the opportunity to change the world. They had also prepared the graduates, Vest said, for future opportunities that will be "global in scale and very complex" in a world with "continuous acceleration of technological progress."

Vest continued by describing new tools and challenges in information technology and life science that the graduates will need to face. "Your generation ... is already leading us into a new domain of global interaction," Vest said, pointing to social networking, Wikipedia, and YouTube as examples. "I am convinced that your way of community and working ... reflect a fundamental transformation."

"You can and must guide this transformation," Vest said.

In the life sciences, Vest pointed to the "three great frontiers" of genomic medicine, cognitive science and neuroscience, and engineering which will present both challenges and opportunities.

He cited "biohacking" as an example of how engineering and biology could be fused to design and build new and different biological functions and systems.

But these new opportunities also present ethical and legal questions, Vest said. "You must be prepared to engage in the public dialogue and bring to it your own moral compasses and your commitment to applying the rationality of science and engineering to improving the human condition."

Speeches from Graduate Student

Council President Eric G. Weese G and 2007 Class President Susan Shin '07 followed Vest's address.

"It may well be that none of us will have all that we want, but it's also likely that we will all have much more than we need," Weese said. "... Please keep in mind that we are among the most fortunate ever."

Shin compared the MIT journey to the journey of Hiro Nakamura, a character from the NBC television show "Heroes." Nakamura is an office worker who discovers one day that he possesses the ability to bend space and time. He realizes, Shin said, that with this power he has a great responsibility to the rest of the world.

"When I look out into the audience today, I see my friends, my classmates, my heroes, and I recognize their extraordinary gifts," Shin said. "... All of us have persevered through the hardships of life at MIT and achieved greatness."

Current MIT President Susan Hockfield gave the final speech. She challenged the graduates to become leaders of their generation and to inspire future generations with "a renewed sense of optimism for the future."

"If we are to realize our optimism, we need to kindle in others the same love and passion for truth and discovery, for creativity and problem-solving, that brought us all here," Hockfield said.

In addition to these four speeches, the ceremony included an Invocation delivered by Reverend Johanna Kiefner, MIT's Lutheran chaplain, the national anthem performed by the MIT Chorallaries, and the awarding of the degrees by Hockfield and Provost L. Rafael Reif.

Also during the ceremony, six cloth panels were unrolled from the outside of Lobby 10. Unseen by a portion of the audience, the hack read: "Will have thesis finished pronto. IHTFP?"

The ceremony can be viewed online at <http://web.mit.edu/commencement/2007/webcast.html>. Additional information about this year's Senior Gift campaign can be found at <http://web.mit.edu/senior-gift/>.

Subway, from Page 1

once occupied by Burger King. Students chose Subway as their top preference for a fast food vendor in a survey conducted about a year ago.

In a fall 2006 Dining Survey, the smoothie chain Jamba Juice came out strong, but it is unlikely to open in the Student Center because of what the facilities can accommodate, according to Berlin. Dining Services

is also planning to add a vendor serving Thai cuisine, another top choice from the fall 2006 survey, although nothing is finalized, Berlin said.

Berlin said that starting fall term, Subway will operate from 7:30 a.m. to 11 p.m. on a daily basis. Hours may be adjusted before then based on customer demand.

Rajeh said that a "true" opening with more "fanfare" will occur at the start of fall term.

Subway is working with Campus Activities Complex Marketing Specialist Anne W. Wilson to coordinate promotional offers on campus. These will include coupons and other promotions at the start of fall term, Wilson said.

Also, the Subway located on the corner of Beacon Street and Massachusetts Avenue in Boston will accept TechCASH starting in the fall, Rajeh said.



DAVID M. TEMPLETON—THE TECH

Professor James Sherley hangs up sheets of stickers on the first floor of the Student Center proclaiming "Say No To June 30," regarding his last official date of employment at MIT after being denied tenure.



PETER H. RIGANO—THE TECH

Elizabeth Hunt constructs a frame, which will be used to form the foundation of the Central Square Theater. The theater, to be located next to Mary Chung's Chinese restaurant on Mass. Ave., will house two theater companies and is scheduled to open in late 2008.

Newly Elected Members of the MIT Corporation

Name	Term	Previous Membership	MIT Degrees	Job
O. Reid Ashe Jr. Notable MIT Activities: Member of Technology Review board of directors; Class of 1971 reunion gift committees	5 years	—	SB '71	Chief Operating Officer, Media General
Carly S. Fiorina Visiting committees for Libraries and Earth, Atmospheric, and Planetary Sciences; member of Corporation Membership Committee	5 years	2004–present	MS '89	Former CEO, Hewlett-Packard
Norman E. Gaut Visiting committees for Civil and Environmental Engineering, Nuclear Science and Engineering, Whitaker College, and Earth, Atmospheric, and Planetary Sciences; member of Audit Committee since 2000; active with MIT Venture Mentorship Service	Life member	1997–present	MS '64, PhD '67	Chair, Semaco
Harbo Peter Jensen Visiting committees for the Biological Engineering division and Materials Science and Engineering	1 year*	1999–2004	PhD '74	Vice President, ChevronTexaco Global Technologies Services Company
John W. Jarve Visiting committees for Dean of Undergraduate Education and Corporation Development Committee; director and past president of MIT Club of Northern California	5 years	1998–2003	SB '78, SM '78	Managing Director, Menlo Ventures
Abigail P. Johnson	18 months**	—	—	President, Fidelity Employers Services Company
L. Robert Johnson Visiting committees for Biology, Physics, and Earth, Atmospheric, and Planetary Sciences; member of Corporation Development Committee and Club of Southern California	Life member	1996–present	SB '63	Managing Partner and Founder, Capital Partners
Frederick A. Middleton, Jr. Member of Sigma Chi fraternity; visiting committee for Earth, Atmospheric, and Planetary Sciences; member of Corporation Development Committee; advisory director for MIT Center for Cancer Research; active in establishing Center for Learning and Memory	5 years	—	SB '71	Managing Director and Founder, Sandering Ventures
Raymond C. Kurzweil Visiting committee for Biological Engineering division and Media Arts and Sciences	5 years	2005–present	SB '70	Chair, CEO, Kurzweil Technologies
Barun Singh Opinion editor for <i>The Tech</i>	5 years	—	MS '06	Owner, CEO, Thinkify LLC
Alan G. Spoon Visiting committees for Political Science and Dean of Student Life; member of Advisory Committee on Shareholder Responsibility, Dean's Advisory Council for Sloan School, Alfred P. Sloan Management society, and Sloan Management Review Board	5 years	2002–present	SB '73, SM '73	Managing General Partner, Polaris Venture Partners LLC
Diana Chapman Walsh	5 years	—	—	President, Wellesley College

* ex officio for one year as president of the Association of Alumni and Alumnae of MIT (2007–08)

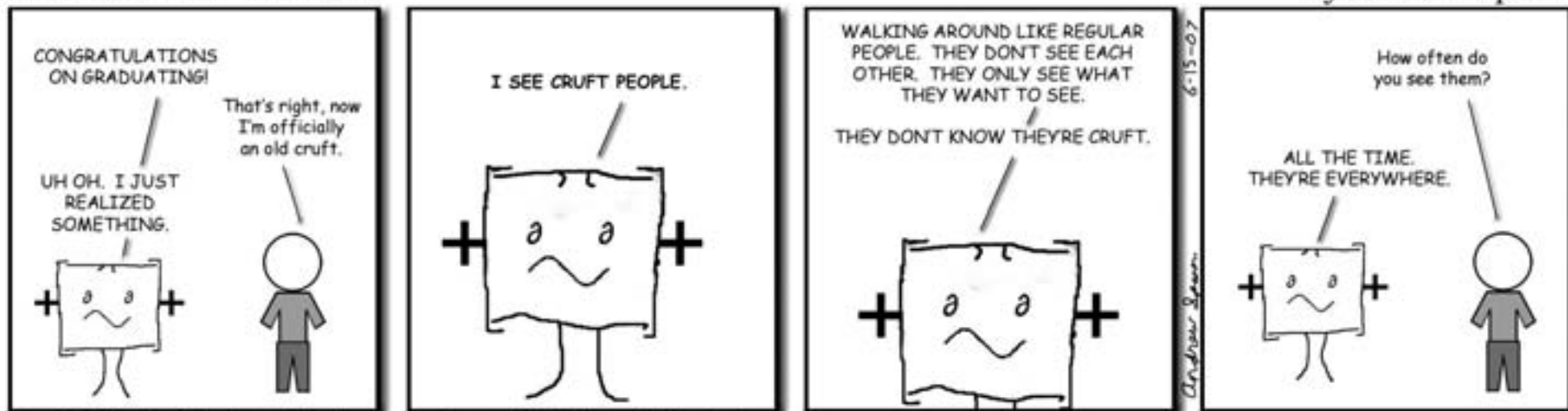
** to fill an unexpired term

SOURCE: MIT NEWS OFFICE

The MIT Corporation elected the above members at its quarterly meeting on Friday, June 8. All memberships are effective beginning July 1. From then, the Corporation will consist of 70 members, 20 of which are life members and eight of which are ex officio. An additional 34 individuals are life members emeritus, who can participate in meetings but do not have voting privileges.

PROOF OF FALSE

by Andrew Spann



Proof of False Archive: <http://web.mit.edu/spann/Public/ProofofFalseComic/>

Financial News



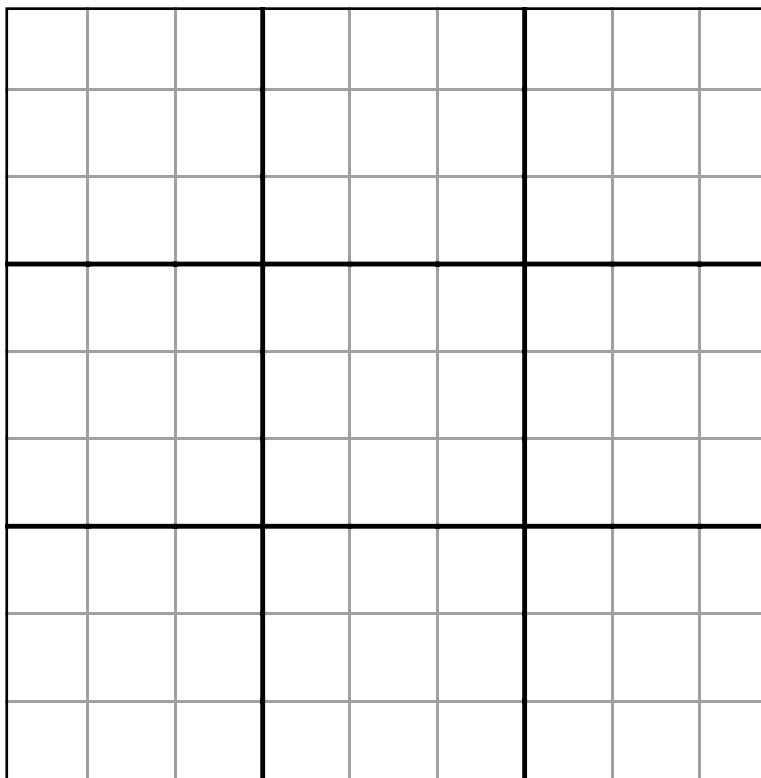
by Alan McNeil Jackson

F. Badger

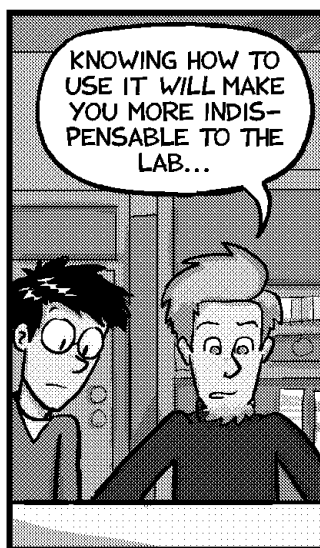
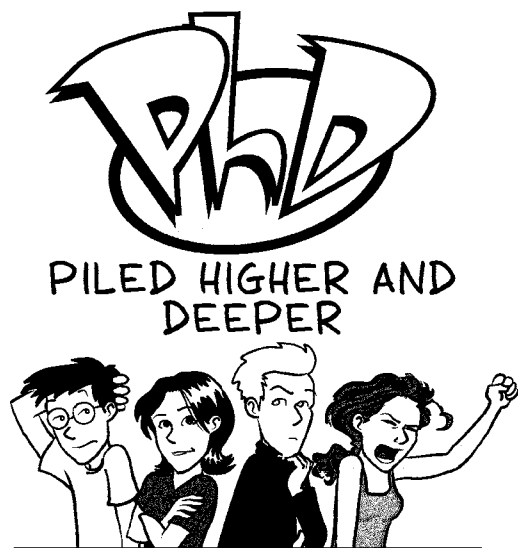
Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Solution on page 8.

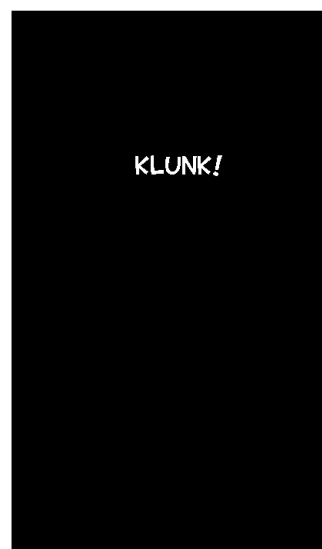
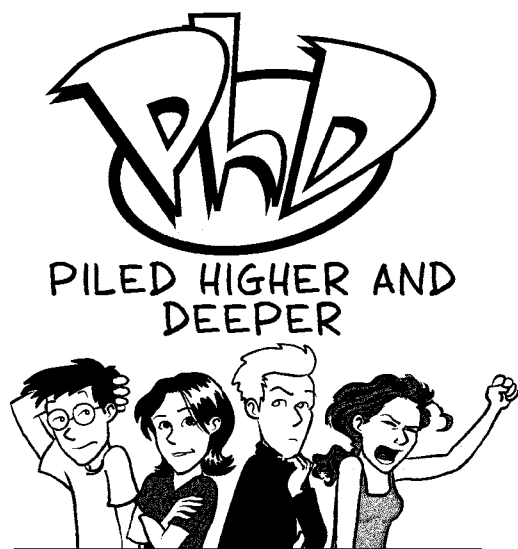
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Doonesbury

BY GARRY TRUDEAU

Dilbert® by Scott Adams

Crossword Puzzle

Solution, page 8

ACROSS

- 1 Pagan gods
- 6 Cheese coated in wax
- 10 Little snakes
- 14 Playful caper
- 15 Be an also-ran
- 16 Flaming Gorge state
- 17 Kind of parade
- 19 Window part
- 20 Singer Brickell
- 21 Quick-cash source
- 22 Thirst-quencher
- 23 Hayes of "Will and Grace"
- 24 Spacecraft protector
- 27 Sun. talks
- 29 Filaments
- 30 Counter snake?
- 33 Lend a hand
- 34 Fairy queen
- 37 Write and send hurriedly
- 41 Bagged brew
- 42 Declared
- 43 Sleep disorder
- 44 Carnivals
- 46 Rob or Edmund
- 48 Goes in haste
- 51 "Breaker-breaker"

buddy

- 55 "When We Dead Awaken" dramatist
- 56 Utmost degree
- 57 Scholarly book
- 58 Golfer "Champagne Tony"
- 59 Like asbestos
- 62 Russian emperor
- 63 Hosiery shade
- 64 Savor
- 65 Dispatch
- 66 Hwy. abbrevs.
- 67 Take in pants, e.g.

DOWN

- 1 "Psycho" motel
- 2 Battery terminal
- 3 Sky-lit courtyards
- 4 Card holder
- 5 TCU or MIT
- 6 Select social classes
- 7 Religious doctrine
- 8 Blond shade
- 9 Shea baseballer
- 10 Mother's helper
- 11 Distinguished political leader
- 12 Committee
- 13 Piece of broken

pottery

- 18 Bolger and Haley's co-star
- 22 Two-man crosscut
- 25 Those ones
- 26 Bargain hunter's delight
- 28 Geographical shaper
- 30 Tiller locale
- 31 Run out of gas
- 32 Architect
- 33 Once owned
- 35 Vital statistic
- 36 Actress Arthur
- 38 Casino game
- 39 Pugilist's weapon
- 40 Ghostly
- 45 Frightened, in the Ozarks
- 46 Test paper?
- 47 Will-__wisp
- 48 Handles of weapons
- 49 Very chubby
- 50 Kind of drum
- 52 Leg-up
- 53 Behave theatrically
- 54 Pass on (to)
- 59 Not "agin"
- 60 D-Day craft
- 61 School org.

1	2	3	4	5		6	7	8	9		10	11	12	13	
14						15					16				
17						18					19				
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58						59	60					61			
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65						66						67			

SPORTS

Statistics Say Sox Will Weather Yankees' Hot Streak

By Caroline Huang
SPORTS EDITOR

What would you sacrifice for Red Sox-Yankees tickets at Fenway Park? A kidney, a 5.0 GPA, an advance copy

Column of Harry Potter?

As it turns out, all I had to do was spend an afternoon sitting in line on Lansdowne Street, waiting to purchase "day of game" tickets. Four hours and \$27 later, I was standing inside Fenway with my fellow sports editor Travis L. Johnson '07, watching the oh-so-intimidating Josh Phelps (yeah, the Yankees are really using their \$213 million payroll wisely) at batting practice.

(For those of you planning to try it: Walk or take the Green Line to Kenmore, get in line at Gate E on Lansdowne Street up to five hours before game time, and stare at the scenic parking garage while you wait. The Sox start selling tickets two hours before the first pitch, including obstruct-

ed view, standing room, and other unused tickets. An excellent opportunity would be this weekend, when Barry Bonds, his enormous hat size, and the Giants invade Fenway).

Oddly enough, the grandstand tickets were perfect. When it started raining, the roof above protected us from melting. More importantly, we had a sweet view of a pop-up to the Yankees' third baseman, prompting cries of "Mine!" and "Hah!" from the Fenway faithful and a shake of the head from A-Rod. Also amusing were the chants of "Where is Roger?" when Yankees pitchers Andy Pettitte and Luis Vizcaino allowed five runs in the bottom of the fourth inning.

The only unfortunate part about the whole experience was something I'll probably still talk about in therapy years later. Yes, I witnessed May-Rod's ninth-inning home run off Sox closer Jonathan Papelbon.

To cheer myself up, however, I've done a few things. First, I Googled the infamous picture of Slappy (A-Rod)

with a purse, swatting the baseball out of Bronson Arroyo's glove in the 2004 American League Championship Series. It's now set as my desktop background. (Obsessive? What's obsessive?)

Second, I decided to do an admittedly unorthodox statistical analysis of why the Yankees suck. It's easy to build a case for the 2007 Evil Empire sucking both literally (hello, barely-above-.500 record) and figuratively (my new favorite T-shirt slogan: "Choke: The official soft drink of the Yankees"). Since I'm writing for an MIT newspaper, however, I'll stick with a quantitative approach to explain why the Yankees' hot streak is about to end.

(By the way, the hot streak can be attributed to a few things: a particularly weak stretch of the schedule — really, a four-game series with the White Sox? — and a six-game home stand. In other words, look for it to end against the Mets this weekend.)

0: The number of satisfactory first

basemen the Yankees have available. With Jason Giambi hurt and facing suspension for steroid use and Doug Mientkiewicz also on the disabled list after wrist surgery, the Yankees are left to platoon Josh Phelps and Miguel Cairo. Sorry, but that's not striking fear into the hearts of too many MLB teams. (Meanwhile, Kevin Youkilis is having a breakout year for the Sox — his line is .335/.418/.521.)

.254: The batting average of the Yankees' designated hitter, Johnny "Looks Like Jesus, Acts Like Judas, Throws Like Mary" Damon. While his weak arm and battered body are faring better in the DH slot than in center field, it doesn't bode well for the Yankees that his batting average actually rose to .254 after a stretch of nine games when he went 11-for-42 (.262). (By comparison, Sox DH David Ortiz is batting .333, for those of you scoring at home).

3.96: The earned-run average of former lockdown closer Mariano Rivera. "Enter Sandman" by Metallica

no longer seems appropriate. "Worn Me Down" by Rachael Yamagata would be a better bet. (In comparison, Jonathan Papelbon's ERA is a sparkling 1.93.)

4.78, 6.60: The earned-run averages of relief pitchers Kyle Farnsworth and Luis Vizcaino, who have made appearances in 28 and 29 games, respectively. One theme of the 2007 Sox-Yankees games has been the Yankees taking an early lead, and the Sox grabbing the lead right back. The Yankees' starting pitching either tires after staying in too long, or the relief pitching is ineffective. It's a self-perpetuating cycle — the more ineffective the relief pitching, the longer Torre wants to leave his starters in. (Boston's Hideki Okajima has been fabulous in relief, posting an ERA of 1.14.)

44: The age of the would-be savior of the Yankees' season. To find proof that Clemens is not immortal, look no further than the Yankees' own injury report: Clemens suffered from a "tired groin." Sounds more like a weekend warrior than a guy making a pro-rated \$28 million, but clearly George Steinbrenner and Brian Cashman have more common sense than I do.

If these statistics don't convince you that the Sox are going to win the AL East, you probably fall into one of two categories. You're either a Yankees fan (in which case, I'm sorry for your poor taste), or you're Dan Shaughnessy.

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