In the process, a group of MIT Dives to Beat Competition in Florida through the gates.

In the Underwater Vehicle Competition held in Panama City, Fla. this summer, MIT's entry, ORCA-I, took first place in the first annual International Autonomous Underwater Vehicle Competition. ORCA-I was controlled by a Pentium processor computer running Linux. The team communicated with the sub's computer via a radio link. For the first three days of August, the ORCA-I, joined subs from three other universities for the competition. All four universities shared their solutions and even gave them a test run in the hotel pool. "All the teams were competitive, but they were all friendly and showed us their subs," Newburg said.

Leaving up to the day of competition, two shifts of students worked on the ORCA-I. During the day, the programmers tried to refine ORCA-I's depth control algorithm, which allowed the sub to navigate autonomously. At night, the mechanical team repaired any physical damage to the sub.

Team faces glitches on contest day Despite the work of the 17 team members, the competition day was not free of problems. The main problem the team encountered was with the sub's batteries. "It was the 6.270 problem... when the batteries were fully charged, the motors ran too fast and the sub pitched downward," said Ara N Khani '99. After running the motors for a bit, the battery problem was solved.

Once the ORCA-I began to travel on its own, another problem surfaced. The sub's computer would not communicate to the team when it was about to enter a gate. This radio transmission interfered with a pressure sensor and caused the ORCA-I to miss the gates. With five minutes remaining, the team commented out radio transmissions in the code and recomplied the navigation program.

Members of ORCA-I's team pose with their winning sub. ORCA-I took first place in the first annual International Autonomous Underwater Vehicle Competition.
**WEATHER**

**So-so Skies**

By Marek Zebrowski

A weak ridge of high pressure will get established over the mid-Atlantic coast over the next few days. Warmer and humider air will thus temporarily replace our crisp fall-like weather, which will return by the weekend. The high pressure system, which will bring stable weather, will pass over head in the next few days. The first impulse on Friday afternoon may usher in a spells of spotty sunshine and scattered showers. Warmer and humider air will be a feature of the weekend.

**Drenching, By Georges!**

By Marek Zebrowski

After a week or so of relatively calm conditions, the tropics have become extremely active again, with several named storms in the Atlantic. Hurricane Georges has become a major storm and a threat to the U.S. mainland, and will be a weather factor over the

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Census Bureau: More Blacks, Latinos Are Escaping Poverty

By Melissa Healy

The Census Bureau reported Thursday that poverty declined slightly in 1997, with the economic lot of blacks and Latinos improving most dramatically. Experts said the declining economy — with the lowest unemployment rate in almost a quarter-decade — is the clearest reason for the figures. But they noted that welfare reform also may be contributing to the decline in poverty, as welfare recipients, prodded by new federal rules and by new state programs, leave public assistance rolls for better-paying, private-sector work.

In general, the economic snapshot captures a nation now fully emerged from a stubborn recession, with median household incomes back to where they were before the recession began in 1990 — just above $37,000. And while blacks and Latinos continue to lag far behind whites economically, the two minority groups outpaced whites both in moving out of poverty and in boosting their median income levels overall.

President Clinton on Thursday toured the census findings, calling them "one more year's worth of compelling evidence that this economic strategy is working... This report also shows that our growing economy is giving more and more families a chance to work their way out of poverty."

The census found that in 1997, 8.3 million people of Hispanic origin lived below the poverty line of $16,400 for a family of four, down from 8.7 million in 1996. And the proportion of Latinos living in poverty dropped from 29.4 percent in 1996 to 27.1 percent last year. That is the largest one-year drop in poverty among Latinos in two decades.

For black and Latino families headed by a single mother, the rise in median income was nothing short of remarkable: the median income for black households with a female head and no husband present grew 6.3 percent between 1996 and 1997.

Private Investment Fund Bailout Provokes Wide-Ranging Criticism

By Tom Petruno

The massive bailout of a tottering private investment fund, in a deal overseen by the Federal Reserve Bank of New York, triggered a mix of outrage and fear on Wall Street on Thursday and helped send the stock market plunging again.

The $3.5 billion deal to save Long-Term Capital Management, a fund whose well-heeled investors included two Nobel laureates, was organized by Wall Street's major investment banks — many of which had lent the fund huge sums in its ill-fated pursuit of high-risk trading strategies.

The deal was immediately lambasted by many other investment pros as setting a dangerous precedent, especially given the constant cajoling by U.S. officials that Japan and other troubled economies must allow their sickly financial companies to die rather than be kept on life support.

Most troublesome to many critics was the bailout, announced late Wednesday, occurred under the auspices of the New York Fed, with the major meetings of lenders held in the Fed's Manhattan offices.

The rescue was attacked as a bailout for rich investors, a privilege that would never be accorded to the vast majority of smaller investors. And it seemed likely to embolden such well-heeled investors to continue their high-risk ventures, confident they will in the end be protected.

"Shameful," declared Charles Pradilla, strategist at investment group Cowen & Co., echoing the comments of other Wall Street veterans. "They should have let it hang and let the lenders hang..."

In unusually pointed remarks, Paul Volcker, who was Fed chairman between 1979 and 1987, commended to reporters in Boston that although he did not know the specifics details of Long-Term Capital's bailout, "Why should the weight of the federal government be brought to bear to help out a private investor?"

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Housing/Orientation- work with students and administration on new housing policy <madmatt@mit.edu>
Letters To The Editor

Banking For Less Charge

Whether or not one approves of the recent decision of several large banks, including BankBoston, to begin charging usage fees for their automatic teller machines, it is inappropriate to have ATMs on MIT space that change such fees. While many students do business with BankBoston, many others do business with other, smaller banks like USTrust, Cambridge Savings, and Brookline Savings and will be forced to pay to use the ATMs on the Infinite Corridor and in the Student Center. MIT should see that these expensive ATMs are replaced with those of banks which allow anyone to use their ATMs for free or else it is doing nothing less than driving students to BankBoston. If MIT is going to try to force its students to join a particular bank, it should state this openly and study all of the options available.

Grant F. Gould '99

Sexual Creatures

In his recent column ["Time to Move on Already," September 22], Andrew J. Kim '01 asks the question, "So why all the charades?" He wants to know why Americans claim to be sick of this sordid Presidential mess but at the same time grovel up sexually loaded reports of the President's misconduct. Then, to his disappointment, he lets the question drop without answering in a reasonable way.

Contrary to what Kim says, the two-faced nature of the American people on this issue has nothing to do with protecting children. It has everything to do with the morals this nation holds from when it was still a bunch of colonies juxtaposed with the reality of human nature. We all know the morals that the community holds us to — the direct descendants of those that were brought here.

Obviously the President's behavior was completely immoral, and we feel inside of us that we will be guilty by association if we think of defending such a man. We revile the man and completely immoral, and we feel inside of us that we will be guilty by association if we think of defending such a man. We revile the man and

You are not obligated to use the newspapers in the physical space that charge such fees. While many students do business with BankBoston, many others do business with other, smaller banks like USTrust, Cambridge Savings, and Brookline Savings and will be forced to pay to use the ATMs on the Infinite Corridor and in the Student Center. MIT should see that these expensive ATMs are replaced with those of banks which allow anyone to use their ATMs for free or else it is doing nothing less than driving students to BankBoston. If MIT is going to try to force its students to join a particular bank, it should state this openly and study all of the options available.

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Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express prior approval of the editorial board, which consists of the chairman, an associate managing editor, and the editor in chief. Dissents are the opinions of the signed members of the editorial board. Columns and editorial cartoons are written by individuals and do not necessarily represent the opinion of the author, not necessarily that of the newspaper.

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The executive gets that a serious time-management guru was giving a seminar to some executives. To illustrate a point he was about to make, he brought out a large glass tank and proceeded to fill it with big rocks until he could fit no more. Then he asked his audience, “What principle am I trying to demonstrate?”

Having caught on to what the guru was doing, the audience now responded without hesitation, “The big rocks!” Once again the answer was correct, and the guru began to pour sand into the tank. The smaller pebbles slipped easily into the spaces between the big rocks, and soon the tank was unable to fit any more pebbles. He then asked his audience, “What principle am I trying to demonstrate?”

For once, to prove that he was a worthwhile speaker, the author managed to enlighten, but it did make me think about what were the big rocks in my life.

The reflexive I managed to compile with a list of activities that I considered important to me. I included activities such as eating, cooking, sleep, etc., (those’s that’s the biggest break between Boston time and Singapore time (which is 12 or 13 hours ahead) Sometimes it may only be a short half-hour, but talking to my family energizes me, and I always have a high voice and that everything’s all right. The list also included the nightly pool sessions at Pritchett in the dorms, which I do, and my conversations with my girlfriend on a game we both enjoyed.

My list included occasional activities such as cooking dinner everyday with a group of close friends. Other non-essential daily habits that a mundane task qualifies as a big rock for me, but it is true I derive significant enjoyment from eating what I think and the futurist says, and I then cook. I always make sure that important things really come first, from ones which have to be done. By putting in more and more items into the tank even when it seems to be full, you lose the opportunity to do the things that are already there now.

The guru smiled as he shook his head. “This is a good lesson,” he said. “If a business is squeezing more out of your day is the white elephant (or should I say, the white elephant techniques, but it isn’t what I was trying to demonstrate.”

Lasswell, the author listened attentively as he continued. “The point I was trying to make is that when you’re filling the tank, you have to put the big rocks in first, or else the little things will overwhelm you and leave you no time for the really big things.”

The author then went on to name a few others that give me as much pleasure in the same amount of time. Some things, I’ve never known that it actually comes to accomplishing a real goal? The 9 a.m. clause would hopefully ensure that the Ober- board gets. Or maybe I’ll get lucky, and the group gets. Or maybe I’ll get lucky, and the group members, right? We do! We do!

Who controls the money flow? Who gives Van some well-earned power? We do! We do!

Who helps rebuild MIT? We do! We do!

And student activities are so strong this year, that they might sing a theme song. An acquaintance with a list of activities that I considered important to me. It included activities such as eating, cooking, sleep, etc., (those’s that’s the biggest break between Boston time and Singapore time (which is 12 or 13 hours ahead) Sometimes it may only be a short half-hour, but talking to my family energizes me, and I always have a high voice and that everything’s all right. The list also included the nightly pool sessions at Pritchett in the dorms, which I do, and my conversations with my girlfriend on a game we both enjoyed.

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The Arts

Theater Review
Fosse: A Celebration in Song and Dance

By Seth Eisen-Hersh

The Huntington Theatre staging of Fosse's work is rich in texture and verve. The show, directed by Brad Anderson, is a testament to the legacy of Bob Fosse, a brilliant choreographer and director whose impact on the world of musical theatre is undeniable. The production, featuring a cast that includes Tony Award winner for Best Performance by a Actress in a Musical, Erin Dilly, and Alan Gelfant, is a tribute to the late artist and his contributions to the world of stage and screen.

Fosse was known for his ability to blend music and dance in a way that was both captivating and thought-provoking. His work often explored themes of romance, passion, and the human condition. In this production, the audience is treated to a visually stunning and emotionally charged performance that captures the essence of Fosse's style and philosophy.

The show features a variety of songs and dance numbers, each with its own unique flair and style. From the opening number, "The Real Thing," to the final scene, "Pippin," the performance is a journey through Fosse's greatest hits. The choreography is both innovative and traditional, with moments of virtuosity and delicacy.

The cast, led by Erin Dilly and Alan Gelfant, deliver standout performances. Dilly's portrayal of Fosse's wife, Gwen Verdon, is both fierce and tender, capturing the strength and vulnerability of the artist. Gelfant's interpretation of Fosse himself is both riveting and moving, bringing to life the complex and controversial figure that was Fosse.

The staging, directed by Brad Anderson, is a masterclass in visual storytelling. The production design, by David C. Woolard, and the lighting design, by Kevin Talmadge, create a sense of depth and atmosphere that enhances the emotional impact of the performance.

Overall, Fosse: A Celebration in Song and Dance is a must-see production for fans of musical theatre and fans of Fosse's work. It is a celebration of the artist's legacy and a testament to the enduring power of his art. A true masterpiece.

Next Stop Wonderland

By Bence V. Zelenkiewicz

Next Stop Wonderland, written and directed by Brad Anderson, is a romantic comedy that explores the complexities of the human heart and the pursuit of love. The film, set in New York City, follows the story of Alan, a young man who is trying to find his place in the world and navigate the challenges of relationships.

The film is a clever blend of emotion and humor, with a cast of characters that are relatable and well-developed. The performances, led by Hope Davis and Alan Gelfant, are both engaging and entertaining. The chemistry between the two actors is palpable, and their on-screen connection is a highlight of the film.

The direction by Brad Anderson is masterful, with a keen eye for detail and a deft touch for rhythm and pacing. The film moves at a steady pace, maintaining a balance between the comedic and the dramatic.

Next Stop Wonderland is a charming and funny film that will resonate with viewers of all ages. It is a tribute to the power of love and the importance of following one's heart, even when the road is uncertain. A delightful and heartwarming film that is not to be missed.

Theater Review

Gross Indecency: The Three Trials of Oscar Wilde

By Bence V. Zelenkiewicz

Gross Indecency: The Three Trials of Oscar Wilde is a powerful production that brings to life the story of one of history's most celebrated figures. The play, directed by David C. Woolard, is a compelling exploration of the life and times of Oscar Wilde, a man whose legacy is still felt today.

The play is a masterclass in acting, with a cast that is both talented and committed. The performances, led by Hope Davis and Alan Gelfant, are both powerful and moving. The chemistry between the two actors is intense, and their portrayal of Wilde and his love interests is both mesmerizing and chilling.

The direction by David C. Woolard is a work of art, with a keen eye for detail and a deft touch for rhythm and pacing. The play moves at a steady pace, maintaining a balance between the dramatic and the comedic.

Gross Indecency: The Three Trials of Oscar Wilde is a must-see production for fans of theatre and fans of Wilde's work. It is a celebration of the artist's legacy and a testament to the enduring power of his art. A true masterpiece.
Watching Ronin is like observing a highway pugil in progress: A large number of cars are getting cut off, crashing, skidding, and spinning, and various bits and pieces are flying around, clearly a large number of both motorists and pedestrians are very seriously injured. It goes nowhere, and one can't but commisserate with the audience, since the general mood of the film is perfectly ineffectual — very much like this metaphor.

In the main mode of operation. There's yet another dimly lit sequence which attempts to squeeze what's going on, after which there is a brief shootout, filmed entirely in closeups of the people firing guns (with the locations, targets, and accuracies left, it seems, to the audience's imagination) with which there's a chase. The rest of the movie repeats this recipe four of five times. There are long stretches of time where nothing much happens, then a brief and confusing shootout, and a long chase. Boredom, shootout, chase, Boredom, shootout, chase. Of course, some of the chases are reasonably well done. There's site race through a crowd of people at the ruins of an ancient area which is intermittently entertaining, and particularly one where an entire vehicle is pursuing another one through heavy oncoming highway traffic. Two things are very clear about the sequence: How hard it must be to film it (the logistics, production crew and audience preserving their sanity), and how little one cares about what's going on.

Since the movie required very little thought, I had to contemplate other issues, like how come all these great people are involved with this turkey. It stars Robert De Niro (here he is reliable, but nothing more), Jonathan Pryce and Stefan Skarsgård (both on hand clearly only for a fast paycheck), and Jean Reno (who was twice as interesting with half as much screen time as, hiccup, Godzila). Only Natasha McElhone (The Truman Show) has some screen presence, although her part is grossly understated. Why they thought it was a good idea to cast Katarina Witt as — surprise! — an ice skater with one and a half lines of dialogue (in Russian) is absolutely beyond me. The involvement of the veteran director John Frankenheimer (The Manchurian Candidate) and screenwriter David Mamet (The Spanish Prisoner) makes the general ineptitude of Ronin even more head-scratching (at least Mamet is credited under the pseudonym Richard Weisz).

There's only one thing in Ronin that deserves any commendation. The movie takes place in and around Boston, and the scenery — mostly the sites of French Riviera — are hauntingly beautiful. Ultimately, this mission: Impossible sequel succeeds only as a travelogue.
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Deutch Expounds on Science At TBP Lecture Series Kickoff

By Satwikalak Seshasai ORGANIZATION MANAGER

Institute Professor John M. Deutch, '61 criticized the conventional separation of science and engineering as distinct disciplines at the opening lecture to the Fall 1998 Tau Beta Pi Leonardo da Vinci Dinner Lecture Series held Monday.

"We must change the way we approach science and technology," Deutch said at the lecture, entitled "Why I Don't Believe in Science and Engineering."

Deutch, who returned to MIT in 1997, had pursued a distinguished career in the government for seven years which culminated in an appointment as Director of Central Intelligence.

Deutch began his speech by explaining that the conventional view of the difference between science and engineering is "not true today."

Science, according to Deutch, is commonly viewed as "an abstract, creative process" with little practical value. The dichotomy restricts science to the discovery of new ideas he said, while engineering covers the application of new ideas. He then gave a few "specifically exciting" examples of why this dichotomy is inaccurate.

Deutch spoke of cryoprophopathy, DNA research, high performance computers, and other areas of study which demonstrate the "tremendous blur between science and engineering." These areas, Deutch said, do not fit into either classical category of science or engineering. Terms such as "biotechnology" are used to avoid being restricted to one side of the spectrum.

Deutch went on to explain that the distinction between science and engineering has "no purpose at all," and "causes more trouble for us."

Deutch pointed out that the US government has set many of the problems that involve "blurring up" the distinction between science and engineering. Congress treats "basic research" involved in science as not practical enough to deserve funding, Deutch said. Engineering, in contrast, is treated as not needing government funding because it can be funded by private interests.

Deutch called for the elimination of the distinction between science and engineering at MIT, instead replacing them with one school containing all subjects. He then extended this proposal to the government, where he suggested that the executive branch departments, such as the State Department and the Defense Department, be eliminated.

However, Deutch soon tempered his statements. Realizing that "this isn't possible," Deutch described a few more modest goals. He said that students should be encouraged to study science and engineering at MIT, instead replacing the specialization with an understanding of the entire MIT community.

"We must change the way we undertake science and technology," Deutch said at the lecture, entitled "Why I Don't Believe in Science and Engineering."

In discussing other issues after the talk, Deutch declined to comment on the current troubles of his former boss, President Bill Clinton, stating only "I am one of the guys who is really angry." Ming-Hokng Ma, '99, president of TBP, the engineering honor society which sponsored the event, noted that "technical knowledge alone is not enough ... in our complex world." The weekly da Vinci dinners, he said, are unique because they are one of the only instances where interaction between students and faculty is expected rather than hoped for.

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• 4" long.
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• This tube will serve as a loudspeaker port.
• The cross-sectional area must remain within 2.5%.

2
INTO THIS ENCLOSURE

• 2 ½"H x 2 ¼"W x 3 ¾"D.
• The port — along with the transducer — must be fully enclosed in this space.

3
WITH THESE CONSIDERATIONS

• Air will travel through this port at peak speeds exceeding 150 mph.
• Audible port noise must be completely eliminated.
• The more volume used by the port, the less efficient the speaker becomes.

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Bose engineer Laura Schroeder, the development team leader on the project, describes the experience. "With the amount of research that was required, I don't think you could have done this anywhere else. The company believes in research whole-heartedly, and they understand what that kind of commitment means in terms of time and money. Just look at the track record; it has been so successful, so many times."

Creating the Jewel Cube® speaker required a combination of about 40 different innovations and technologies. This spiral port is just one of them. The need for innovative solutions like this one continues at Bose Corporation. We need people who thrive on solving challenging problems and have a tremendous curiosity about how things work. Put that to use now. Find out more about Bose. Attend the events listed below.

ON-CAMPUS INFORMATION SESSION — WEDNESDAY, OCTOBER 7, 7 PM, ROOM 1-190.
ON-CAMPUS OPEN INTERVIEWS — TUESDAY, OCTOBER 13, REGISTER AT THE MIT CAREER OFFICE.

For more information fax or e-mail your resume to Lyn Van Huben, Bose Corporation,
The Mountain, Framingham, MA 01701-9168. FAX: (508) 766-7031. E-mail: lyn_vanhuben@bose.com Visit us at www.bose.com

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$25,000

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Do you CRAVE a position that is fast-paced, fun and exciting?
Look no further...

Peapod's EXPLOSIVE growth in your area has created the need for several Delivery Driver positions to be filled IMMEDIATELY by YOU!

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• Consistent step RAISES!
• Employee DISCOUNTS!
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• DENTAL PLAN and 401 (K) available!
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• PAID training!
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• Mergers and Acquisitions
• Principal Investment
• Real Estate Principal Investment
• Restructuring and Reorganization
• Asset Management

Interested seniors are invited to a presentation at the Harvard Faculty Club Monday, September 28, 1998 at 5pm

Blackstone will be conducting interviews for students interested in pursuing opportunities prior to the spring recruiting process. To be considered for an interview, please bring a resume to the presentation or send it to the following address by October 7th (please indicate in which of the firm's business areas you are interested).

A.J. Agarwal,
Vice President
The Blackstone Group
345 Park Avenue, 31st Floor
New York, NY 10154
(212) 754-8725 (FAX)
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Meet with 3M representatives and see how all of your caliber ... the best and the brightest, over 40 distinct business divisions, you will share your hard work and scholastic achievements can translate into extraordinary opportunity.

If you would like to be placed on our recruiting effort this year in Manufacturing, Engineering and Product Development. We are looking for students with majors in Chemical, Mechanical, Materials, and Process Control Engineering.

EARN UP TO $480.00/MONTH!! Healthy men needed as sperm donors. Highest paying agency in the US. Ages 18-39. Call California Cryobank to see if you qualify. (617) 497-8646. www.cc.com

Get Paid To Party!!! Festive Events is looking for outgoing people to learn DJ entertainment. Great source of extra cash. Full training provided! Must have availability to be available weekends. Call 1-800-688-1005 for more info.

Festive Events is looking for outgoing people to learn to DJ entertainment. Great source of extra cash. Full training provided! Must have availability to be available weekends. Call 1-800-688-1005 for more info.

The Medical Scientist Training Program at the College of Medicine of Wisconsin offers a combined M.D.-Ph.D. degree program. Trainees receive full tuition scholarships and stipends throughout their studies. Highly qualified students with a background in research are encouraged to apply. The training program application deadline is November 1.
Alcohol poisoning?

If a friend has any ONE of these symptoms of alcohol poisoning:
• breathing fewer than 8 times per minute, or irregular breathing with 10 seconds or more between breaths
• passed out, appears unconscious or cannot be awakened
• cold, clammy pale or bluish skin
• vomiting while sleeping or passed out, or not waking up after vomiting
• no pulse
• stopped breathing.

On campus: call 100 immediately
Off campus: call 911 immediately

These symptoms are signs of a medical emergency. When in doubt, check it out. It is better to be nosy and safe than regret that you didn’t do more.

When in doubt, check it out

Signs of a potential problem:
• consuming a large quantity of alcohol in a short amount of time (multiple, rapid shots; funnels, chugging)
• slurred speech
• impaired motor control (stumbling, cannot walk, etc.)
• vomiting

If you notice any ONE of these signs:
• Keep a close watch on your friend. Even after stopping drinking, the effects of alcohol can become more pronounced over time. Your friend is still at risk of alcohol poisoning.
• Do not leave your friend alone.
• Watch for symptoms of alcohol poisoning and call for help immediately if you notice your friend progressing to severe intoxication.
• If your friend is sleepy or out of it, make sure your friend is on his/her side, so that if he/she vomits, the vomit will not cause choking and suffocation. Propping your friend up with a pillow in front and in back will lessen the likelihood of rolling onto his/her back.
• Stay with your friend. Wake your friend up frequently—every 15 minutes or so. If your friend doesn’t awaken easily, get help.
• Contact your Tutor or Housemaster.
• Contact Campus Police (100) for advice or for an escort to MIT Medical (24 hours).
• If you are unsure of what to do, call MIT Medical (617/253-1311, 24 hours). All calls and visits to MIT Medical are strictly confidential.

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Most MIT students drink safely and many don’t drink at all. Whatever your choice, these tips may help you or a friend in need.

ALCOHOL just the facts

Emergency numbers
On campus Emergency 100
Off campus Emergency 911
MIT Medical Urgent Care 617/253-1311
MIT Campus Police 617/253-1212

More information from MIT Medical
Health Education 617/253-1316
Internal Medicine 617/253-4481
Mental Health 617/253-2916

Finding out more

• MIT Medical (E23) 617/253-4481
  Personal Physicians
  medical advice, counseling
  Mental Health
  counseling, referral
  Personal Assistance Program
  Ron Fleming, Ph.D.
  MIT Alcohol Support Group 617/253-4911
  Al-Anon and AA
  campus support meetings
  Health Education
  info, speakers, programs

• Office of the Dean of Students and Undergraduate Education 617/253-4861
  Counseling and Support Services 617/253-106 counseling and referral
  Residence and Campus Activities 617/253-6777
  (W20-549) policy information, event registration

• Campus Police 617/253-1212
  Legal advice, information, referral
  Crime Prevention /Sensitive Crimes 617/253-9755
  educational information:
e-mail <shrinkmite@mit.edu>
or visit <web.mit.edu/cp/www>

• Student-to-Student Nightline (7pm to 7am) 617/253-8800
  peer listening hotline
  MedLINKS <web.mit.edu/medlinks/www>
  referrals
  UpFront interactive educational workshops

• Other Help Chaplains see listing in MIT Directory
  Off Campus
  AA (Alcoholics Anonymous) 617/426-9444
  area support groups for alcohol users
  Al-Anon 781/843-5300
  support groups for friends and family affected by another’s drinking
  Mass. Drug and Alcohol Hotline 617/445-1500
  Bridge over Troubled Waters 617/423-9575
  free drug/alcohol counseling for those under 25
You
Make it Happen
Global Graduate Career Opportunities
You've seen the headlines...now read the small print.

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"...a worthy contender to rival the American groups that style themselves as 'global players'" - The Times

In June 1998, Union Bank of Switzerland merged with Swiss Bank Corporation to create the new UBS AG.

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We cordially invite the students of Massachusetts Institute of Technology to learn more about graduate opportunities on:

Thursday, October 1, 1998
6:30 PM - 8:30 PM
Room 4-149

All applications for graduate and internship positions can be made via our website. www.wdr.com

We are an equal opportunity employer.

*References to Warburg Dillon Read in the United States refer to Warburg Dillon Read LLC, a registered broker dealer.
Tee, OY, THIS IS A REAL OPENER.

Hey Albert, what's with the suit? Why, today's the class of '99 career fair! It's gonna be great! One, 100 companies, for all majors and all years... everyone should go! What was that all about? Who were you talking to? Gosh, I don't know what came over me!

I just realized I have no career options! What the heck should I do? Oh yeah! Today is Friday! I can go to the... career fair! Cool!

Okay, where's my money?

My sources tell me that you're not meeting your objectives.

That's not true. Who are these sources? Name one objective I haven't met.

I don't even know what your objectives are.

Must... control... fists.

Who said I wasn't meeting my objectives?

I can't remember.

Therefore, I have no reason to doubt the accuracy of the information.

Check the facts!

That sounds like something a guilty person would say.

I've decided to be one of those guys who says whatever is on his mind.

Still nothing?

Boy, this is a real eye-opener.
Down with Science
by Jennifer DiMase

I am astonished by Boston's skewed idea of A "duck" tour.

---

FoxTrot
by Bill Amend

WHAT SHOULD I GET DENISE? WHAT SHOULD I GET DENISE?

I COULD GET HER THAT NO CHOCOLATE SCENTED PERFUME. SCENTED DENISE LOVES CHOCOLATE.

SURE THERE IS. THEY HAVE TV COMMERCIALS FOR IT ALL THE TIME. SHOOT - WHAT'S IT CALLED?

WHO AM I KIDDING? I CAN'T AFFORD TO GET DENISE ANYTHING NICE FOR OUR ANNIVERSARY.

PERFUME'S TOO EXPENSIVE... JEWELRY'S TOO EXPENSIVE... ISOMER GLOVES ARE TOO EXPENSIVE...

YOU KNOW, SON, THERE IS SOMETHING EXTRA SPECIAL YOU CAN GIVE HER THAT WON'T COST YOU ANY MONEY.

DAD, I PLEEE-ROGER, ALREADY EASEE? THESE ARE OURS TOLD YOU, I DON'T WANT YOUR OPERA TICKETS!

HAPPY ANNIVERSARY, DENISE. HAPPY ANNIVERSARY, DENISE.

I, UM, WANTED THAT'S OK TO GET YOU SOMETHING REALLY TAKING THIS WALK SPECIAL, BUT I WITH ME ISN'T AFRAID SPECIAL.

STILL, I DO HAVE A LITTLE ARE YOU GIFT FOR YOU... DOING?

DID YOU TAPE WRAPPING PAPER TO YOUR LIPS?
Friday's Events
9:00 a.m. - 5:30 p.m. - Digital Cities: Urban Environments and Interactive Technologies. Commentary from urban planners and other scholars as well as hypermedia demos that recreate urban environments. Bldg. E15, Barton Theater.
7:00 p.m. - Lost in Space. "Danger, Will Robinson!" The Robinson family is adrift in deep space after the devious Dr. Smith (Gary Oldman) sabotages their mission to save Earth. 2 hours 7 minutes. Admission $2.50. Room 26-100. Sponsor: LSC.
8:00 p.m. - Roadkill Buffet Alley Show. MIT's improv troupe performs in the great outdoors (provisional...). Alley next to Bldg. E33.
10:00 p.m. - Lost in Space. "Danger, Will Robinson!" The Robinson family is adrift in deep space after the devious Dr. Smith (Gary Oldman) sabotages their mission to save Earth. 2 hours 7 minutes. Admission $2.50. Room 26-100. Sponsor: LSC.

Saturday's Events
12:00 - 3:00 p.m. - Weekly Meeting. Drop in on our weekly meeting. Come for the food, the fun, and the film! Student Center, Room 451. Sponsor: Technique Yearbook.
7:00 p.m. - The Object of My Affection. George and Nina seem like the perfect couple. They share a cozy Brooklyn apartment, a taste for tuna casserole, and a devotion to ballroom dancing. There's only one hitch: George is gay. 2 hours 2 minutes. Admission $2.50. Room 26-100. Sponsor: LSC.
10:00 p.m. - The Object of My Affection. George and Nina seem like the perfect couple. They share a cozy Brooklyn apartment, a taste for tuna casserole, and a devotion to ballroom dancing. There's only one hitch: George is gay. 2 hours 2 minutes. Admission $2.50. Room 26-100. Sponsor: LSC.

Sunday's Events
3:00 p.m. - Faculty Concert. Professor Marcus Thompson, viola; Sue-Ellen Hershman, flute; Nina Kellman, harp; David Wittick, piano; Music by Ivan Tcherepnin, Sofia Gubaidulina, John Heiss and Franz Schubert. Building 14, Kilham Hall.
6:00 p.m. - The Tech General Meeting. Interested in joining The Tech this term? Come by to meet our staff. Dinner is provided. Student Center, Room 483. Sponsor: The Tech.
7:00 p.m. - Lost in Space. "Danger, Will Robinson!" The Robinson family is adrift in deep space after the devious Dr. Smith (Gary Oldman) sabotages their mission to save Earth. 2 hours 7 minutes. Admission $2.50. Room 26-100. Sponsor: LSC.
An open invitation for open minds.

What will be your statement?
To swing a hammer on top of the Berlin Wall
and help entrepreneurs break through...
to see a pony on a shirt and help it influence culture...
to move a computer company from dorm room to boardroom.
Make a mark with your mind.

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6:00 pm - 8:30 pm
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Salon 4-2nd Floor

Casual Attire

Goldman Sachs, an equal opportunity employer, does not discriminate in employment on any basis that is prohibited by federal, state or local law.
More Career Fairs Will Round Out Fall Recruitment

The GSC has improved their career fair organization from last year "to meet the demands by stu-

dents and companies. For example, companies will receive resume books in paper version as well as on CD-ROM, thus allowing for search functions," Yoon said.

Spring career fairs smaller

While the largest career fairs will be co-sponsored by the American Indian Science and Engineering Society, the National Society of Black Engineers, and the Society of Hispanic Professional Engineers. It will be held on Feb. 19. "All of the career fairs are run by student organizations. The only thing we do is post on the web site for the company's information," said Carole A. Ferrati, assistant director of recruiting at the Career Services Office. "We would certainly advise stu-

dents that attending career fairs is very beneficial to them just to find out more about a particular company

and to gather information. It gives them the ability to make a bet-

ter judgment on who to interview with," Ferrati said.

In Tokyo

Morgan means more career opportunities

J.P. Morgan is inviting applications from MIT graduate students

and graduating seniors for full-time positions in Tokyo for the following

areas:

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Technology

Markets

Consulting Group

Credit Research

Financial Services

We are looking for intelligent, highly motivated people who have an ana-

lytical and quantitative aptitude, strong interpersonal and communication

skills, ability to work as part of a team, and an interest in our global financial

businesses. Candidates must be fluent in both English and Japanese.

Interested candidates should submit a cover letter and resume by

October 10, 1998 to recruit.japan@morgan.com by e-mail

and are encouraged to meet our Tokyo representatives at the following
career fairs:

Nikkei Boston Career Forum

on October 23 (Fri), 24 (Sat), and 25 (Sun) at

JPMorgan

www.jpmorgan.com

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In the fast-paced, ever-evolving age of technology, Approach is growing as swiftly as the high tech world we're helping to shape. As soon as you walk through our doors, you'll sense the energy and excitement. Far from a typical corporate environment, Approach is a dynamic ensemble of innovative thinkers who value teamwork and creativity — exceptional people who are as passionate about how they work as what they are doing.

Discover the power that fuels our performance for yourself. If you have the talent and vision to think "outside the box," Approach is where you'll find and create your best opportunities. We are currently seeking individuals with the following majors: Computer Science, Computer/Systems Engineering, Mathematics, Electrical Engineering, Management Information Systems.

Network Consultants: Windows 95, NT 4.0, Messaging, SMS, SQL Server, Oracle, SNA, TCP/IP, LAN/WAN Design


Business Analysts: Analyzing and reengineering business processes. Demonstrated skills in managing and fostering client relationships, combined with strong presentation and written communication skills highly desirable.

Positions are available in Westchester County, NY and Philadelphia, PA. As one of our full time employees, you'll enjoy competitive compensation and benefits. Please send/fax resume to: 

Recruitment Dept., Approach Inc., 100 Summit Lake Drive, Valhalla, NY 10595, Fax: 914-769-0203, Email: Careers@Approach.com, An Equal Opportunity Employer.

We're On Campus Today!
Friday, September 25th, 10AM-4PM
Johnson Athletic Center
Come visit us and learn about all of the exciting opportunities we have to offer!

Lehman Brothers cordially invites you to attend a presentation on career opportunities in

Sales, Trading, Research & Origination

Thursday, October 1, 1998 at 6:30 p.m.
The Cambridge Center Marriott
Grand Ballroom, Salon 5

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MERRILL LYNCH WILL BE INTERVIEWING SELECTED MIT-SLOAN SECOND-YEAR MBA STUDENTS

Resume deadline for all regions is Thursday, October 1, 1998

U.S., Europe, Middle East & Africa Interview Date: Tuesday, November 10, 1998
Location: The Double Tree Suites

Candidates interested in opportunities in the U.S. should submit a cover letter and resume directly to:

Investment Banking: Denise Patton
Debt Markets: Susan Ellinghaus
Equity Markets: Jane Jacobi
World Financial Center, North Tower
250 Vesey Street
New York, NY 10281
Fax: 212-449-3130 or 212-449-7502

Candidates interested in opportunities in Europe, Middle East and Africa should submit a cover letter and resume directly to:

Investment Banking: Elena Hickey
Debt Markets: Lisa New
Equity Markets: Gabrielle Stielow
Merrill Lynch Europe Ltd.
Ropemaker Place
25 Ropemaker Street
London EC2Y 9LY
Fax: 44-171-573-1976

Asia Pacific Interview Date: Wednesday, October 21, 1998
Location: The Charles Hotel

Candidates interested in opportunities in Asia Pacific should submit a cover letter and resume directly to:

Investment Banking
Debt Markets
Equity Markets
Leena Prakash
Merrill Lynch International Inc.
18F, Asia Pacific Finance Tower
3 Garden Road, Central
Hong Kong
Fax: 85-22-536-3173

Interview information for Japan to be determined.

Candidates interested in opportunities in Japan should submit a cover letter and resume directly to:

Investment Banking
Debt Markets
Equity Markets
Reiko Tawara
Merrill Lynch Japan Inc.
Ote Center Building
1-1-3, Otemachi, Chiyoda-ku
Tokyo 100-8180
Fax: 81-33-213-8573
Freshman Candidates Outline Platforms in Poster Campaign

Elections, from Page 1

listed in numerous platforms as possible activities.
Some candidates wanted to help new students at some of the recent national press that MIT has received, and establishing a positive class identity was cited as the first stop.

While a number of campaign posters are aimed at vote-getting, many candidates elected to state their entire platforms on posters. UA Election Commissioner Seth Bosen-Hersh '01 said that "the posters this year are much more based on real ideas, as opposed to posters that say 'vote and-so-and-so for such-and-such'. More people this year have posters that actually have what they're going to do (if elected)."

While the number of candidates has not increased compared with last year, the amount of publicity has been unusual. Dormitories and hallways across campus are lined with posters, almost to the extent that they have become indistinguishable.

Elissa Schwartzfarb '02, a candidate for vice president, said that "with so many posters all around, posters will not be a deciding factor in the election." She felt that direct contact with voters would be most influential.

Freshman had the opportunity to meet candidates at study breaks Tuesday night at Baker House and the Wednesday night at East Campus. Approximately 75 freshman consumed fourteen pizzas at Tuesday's study break, but the crowd seemed to be mostly candidates and their campaign workers.

Running for president are ten candidates: Robert A. Finn '02, Jesse Gutkowski '02, Yenqeyita A. Nkanshinibwv '02, Andrew W. Pak '02, Carl E. Petersen '02, Rory F. Pfeiffer '02, Kapil Rastogi '02, Sanjay K. Rao '02, Schmelzer, and Andrew M. Stagg '02.

Running for the office of vice-president are seven candidates: Jimmy C. Chang '02, Sudesh C. Dalal '02, Wanslinky Lee '02, Raymond Morales '02, Parris, Dhruv Puri '02, and Schwartzfarb.

Running for the office of secretary are three candidates: Winston D. Chang '02, Teresa H. Ko '02, Stephanie C. Liang '02.

Running for social chairs are four groups of candidates: Phillip B. Armour '02 and Linda M. Yu '02, Denise B. Chering '02 and Madeline M. Cloke '02, Sonia Gurg '02 and Joyce W. Lee '02, and Bhumika M. Patel '02 and Gregory C. Townsend '02.

Running for the office of treasurer are seven candidates: Mendel Chuang '02, Amy J. Kato '02, Jessica J. Lim '02, Diana Ng '02, Feliuso O. Okusinde '02, Vishav S. Ranagur '02, Paul M. Shah '02.

Only one team is running for the titles of publicity coordinators: Catherine B. Chen '02 and Anissi K. Wang '02.

Why wait until finals to pray?
Sunday: Bible hour 9:15/ Worship 10:30
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Master juggler Michael Moschen shows off the tools of his trade after a discussion on creativity and the development of his style Thursday in Kresge Auditorium.

September 25, 1998
Today!!
10am - 3:30pm
Johnson Athletic Center: 2nd floor

Many Thanks to the Following Companies for Sponsoring The Class of 1999 Career Fair:

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- Only Sprint PCS built an all-digital nationwide network from the ground up for a new level of clarity.

So hear the difference for yourself. Today.

The clear alternative to cellular.
Microsoft Company Presentation

Sunday, September 27, 7:00 PM

34-101

Come see us and bring your resume.

PIZZA!

WIN a FREE palm-sized PC running Windows CE!
Gainer ordered the pledge to line-up. The “big brothers” were introduced and then the al bottle of hard liquor to share with his “little brother”. Scott Krueger’s “big brother” pre-whiskey that he had purchased earlier. The pledge consumed all of the alcohol. At about presented him with a bottle of Bacardi spiced rum.

During the early morning hour of Saturday, September 27, 1997, eighteen-year-old fresh out of high school, Krueger had these pledges that their attendance was mandatory and that they would meet their fraternity “big brothers” at the end of the night. The pledges were told that they were to gather together right at 8:30 p.m. in a designated room at the fraternity, watch the movie “Animal House”, and collectively drink a certain prescribed amount of alcohol. Scott Krueger expressed anxiety about the event to his twin sister and to “Animal House Night”, would be held on the evening of Friday, September 26, 1997. The pledge trainer advised the pledge trainer advised these eighteen-year-olds fresh out of high school, Krueger had arrived at MIT’s freshman class orientation from his hometown of Orchard Park, New York on August 20, 1997. Four days later, on August 24, 1997, Krueger “pledged” and moved into a basement room at the Phi Gamma Delta fraternity, some two months after his high school graduation. During the weeks immediately preceding Scott Krueger’s death, the Phi Gamma Delta fraternity had hosted several social events during which many underage students became ill from over-consumption of alcohol. On Wednesday, September 24, 1997, Krueger and the rest of his twelve-member “pledge group” were told by their fraternity’s elected “pledge trainer” that an event, traditionally called “Animal House Night”, would be held on the evening of Friday, September 26, 1997. The pledge trainer advised these twelve freshman pledges that their attendance was mandatory and that they would meet their fraternity “big brothers” at the end of the night. The pledges were told that they were to gather together right at 8:30 p.m. in a designated room at the fraternity, watch the movie “Animal House”, and collectively drink a certain prescribed amount of alcohol. Scott Krueger expressed anxiety about the event to his twin sister and to

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TIME TO MAKE THE FUTURE

BUSINESS AND MARKETING INFORMATION SESSION WEDNESDAY Sept. 30 6:00 - 8:00 PM CAMBRIDGE MARSHALL (SALON 1)

COMING SOON GREAT SOFTWARE COMPANY

By Douglas E. Heilmeier, president and CEO

Although indictments against the MIT chapter of Phi Gamma Delta were filed last week, questions remain about whom exactly will sit at the defendant’s table when the trial begins as indicated Thursday.

When individual pledges were indicted last week in connection with the death of Scott S. Krueger ‘01 last year, instead, Suffolk County District Attorney Ralph C. Martin II indicted the fraternity chapter on one count of hazing and one count of manslaughter.

Martin said last week that he was unsure who would attend the indictment in Suffolk Superior Court on Thursday.

“Those living at the house at the time of the death make the up the group indicted,” said James Beach, the South Boston, district attorney. “In the past, unincorporated associations have been used, but they have not been implicated.

“The situation is complex logically and we are still trying to sort out” the case, said Bill Martin, executive director of Phi Gamma Delta’s national leadership. The national fraternity has not contacted any of the local fraternity since the indictments, but it has been in contact with Malcolm Cotton, Boston College, the fraternity attorney.

Boston attorney Michael O’Malley specifically was summoned to appear at the arraignment, “The Boston Globe reported.

O’Malley is generally a civil attorney dealing with insurance matters related to the case, sources said.

On Wednesday, court officials could confirm only that a summons had been issued to the group to appear next week. No attorney was listed as representing the group in Superior Court records.

If convicted, Phi Gamma Delta faces a $3,000 fine for hazing and a $1,000 fine for manslaughter.

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Résumé Deadline will be Friday, October 16
Place: Tang Building E51
Date: Monday, September 28
Time: 12:00pm

Luncheon
Business Casual Attire
Ford Motor Company invites MIT students, faculty and university employees to enroll with renowned driving instructors from the Bob Bondurant School of High Performance Driving. Test your driving skills with Ford's hottest line of vehicles on a specially designed course. In addition, Ford recruiters will be on site to talk about career opportunities at Ford Motor Company.

Date: Saturday, September 26, 1998
Time: 9:00 a.m. – 4:00 p.m.
Site: On campus at the Pacific Parking Lot – On Pacific between Albany and Sidney

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Wom~n's Tennis Team

By Leon Hsu

Last weekend, the men’s ultimate team traveled to Portland, Maine to compete in the Eastern New England Division II sectional tournament. With a strong core of returning players and a very talented pool of new recruits, MIT made a strong impression at its first tournament of the season.

MIT began pool play by taking on local rivals Boston University and Tufts University. Men’s and women’s teams had a strong showing at the match against BU. Highlighting included a decisive 13-3 victory against Tufts.

In a quarterfinal matchup against the Maine club team Swell, MIT switched to a zone defense to try to take advantage of strong winds. The aggressive defensive play by Jay Baow ‘02, Thad Matsuzaki ’99 and Wilmer in the cup position forced Swell to turnover the disc several times. Led by the tight defense, MIT scored the final 9 points for a final score of 13-4.

The semifinal game was against the Rhode Island Chowdahawks club team. After trading points early on, MIT scored quickly to take a decisive 10-4 lead. Highlights included long scoring throws from Win Chevapravatdumrong ’99 and Jeremy Lueck ’99. The Chowdahawks then put together a run of points, bringing themselves back into the game at 12-10 before MIT finally closed out, winning 13-10.

As the sun began to set, MIT quickly prepared for the final game of the day, against the Maine Mariners. Despite 90+ degree weather, MIT defeated the team 13-6 and advanced to the quarterfinals.

The junior varsity team faced the Rhode Island Strawberries in the final match. While MIT easily defeated them, losing 13-3, the men’s ultimate team faced a much stronger University of Gridiron team. Despite being down 14-6, MIT fought back to win 13-12. A late score off a scrum from Putnam Nightengale ’00 sealed the win for MIT.

Today, MIT takes on the University of New Hampshire for a chance to compete in the A-side, as the B-side lost the last game to the University of Bridgeport. With the B-side out of the mix, MIT has a good chance to win the tournament.
MIT Women's Volleyball Wins Two Straight Behind Sailhamer's Play

By Paul Dill

The women's varsity volleyball team increased their conference record to 3-0 and 6-3 overall as they beat Smith College 3-0 this past Saturday, and Babson College 3-0 this past Tuesday.

The team arrived at Smith College expecting the usual battle that takes place between the two. After just keeping even with Smith during the early stages of the first game, MIT came alive and left Smith in the dust as they pulled away and won 15-8. Expecting Smith to come back strong in the second game, the Engineers cruised through the second game 15-2 behind the 24 assists of Alarice Huang '00, and the 13 kills of Betsy Sailhamer '99. The third game turned out to be more of the same as Jenn Svedsen took over the setting reins and added eight of her own assists on the way to a 15-1 victory. Barb Schultze '02 added seven kills and four service aces, and Lijin Aryananda G added five kills.

The Engineers next faced Babson College and made short work of them as well. Although MIT did not play with the same fire that they had against Smith College, they were still able to win in three games 15-8, 15-10, 15-6. Again Sailhamer '99 led the way with 10 kills and eight digs, while outside hitter Christina Almodovar '02 added eight kills to the effort.

The next test for the Engineers comes at the two day MIT Invitational 16 Team Tournament featuring the top eight ranked teams in New England. MIT will play against Skidmore College and Eastern Connecticut State University on the first day.

UPCOMING HOME EVENTS

Friday, September 25
- Golf vs. Tufts University, 1:00 p.m.
- Women's Sailing - New England Women's Singlehanded Elimination, all day

Saturday, September 26
- Baseball vs. UMass Boston, 12:00 noon
- Field Hockey vs. Clark University, 1:00 p.m.
- Football vs. Salve Regina University, 2:00 p.m.
- Women's Sailing — New England Women's Singlehanded Elimination, all day
- Men's Soccer vs. Wheaton College, 10:30 a.m.
- Men's Cross Country — Codfish Bowl on the first day.

Sunday, September 27
- Baseball vs. Suffolk University, 12:00 noon

SPORTS

MIT Runners Upset Two Ranked Teams

By Michael Parkins

High temperatures and high hopes accompanied the MIT cross country team as they hosted Bates College and Tufts University last Saturday at Franklin Park. Coming into the event, Tufts was ranked eighth in the country and Bates 24th. However, the unranked Tech team was able to pull away from their opponents. At the one mile mark of the race, the Tech trio of Mike Parkins '99, Mark Straus '01, and Dan Feldman '02 formed the lead pack with one Tufts and one Bates runner. Similar clusters formed throughout the race as the Engineer runners gained position within striking distance of the opponents they knew they would need to beat to put MIT on top.

By the three mile mark, however, the situation did not look good for the Engineers. Tufts had seven runners in front of Tech's five-man pack, and Bates had their scoring five in the thick as well. The Engineers' huge second pack of Leif Seed '99, Frank Johnston '00, Jeff Billing '01, Ed Keehr '01, and Phil Loiselle '01 was in striking position.