**MIT's Oldest and Largest Newspaper**

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**Cambridge: Massachusetts 02139**

**Friday, September 30, 1994**

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**3 Robbed at ATMs Near the Institute**

By Byun Soo kim

Three robberies of customers at automatic teller machines on the outskirts of campus have occurred in the last week. Two of the robberies involved MIT students or people affiliated with MIT.

Eric D. Kuperberg G was robbed at gunpoint after completing a transaction at the Kendall Square ATM last Friday at 5 p.m. The robber was in the lobby of the ATM, Kuperberg said. A number of people were in line ahead of Kuperberg. After the other people made their transactions, they turned left and headed towards the subway and into Kendall Square, he said.

Kuperberg said that something was wrong at the ATM. The assailant was neither making a deposit or withdrawal, only watching what others did for five minutes or more. He was particularly interested in noticing people when they left, Kuperberg said.

After making his transaction, Kuperberg left the ATM lobby and turned right, heading into the Sloan School parking lot, which was more isolated. The robber followed him.

"I became aware that he was following me when I was 15 steps outside of the bank. When I turned to the corner to the Sloan lot, and he followed, I knew that I was in danger," Kuperberg said. Kuperberg then started running to Building E56, but the robber "ran and caught up quickly."

The robber showed Kuperberg the barrel of a gun and pointed it at his side. The robber also asked how much Kuperberg had withdrawn. When told $30, the robber escorted the student back to the ATM where Kuperberg was forced to withdraw $500, the most that one can withdraw from an ATM. "When he demanded that I return to the bank he had the gun hidden under his jacket," Kuperberg said.

The robber then instructed Kuperberg to walk 15 steps to the right, and the robber waited the other way. Kuperberg immediately notified the Campus Police and the Cambridge Police. Kuperberg was not injured.

"No one noticed in the parking lot that my hands were up in the air," Kuperberg said. "I did not think about it, I was only thinking of running."

Cambridge Police. Kupferberg was forced to withdraw $2,000 from an ATM last Friday evening.

**U.S. News and World Report Ranks MIT Fourth in Nation**

By Venkatesh Satish

MIT ranked fourth in the latest U.S. News & World Report's annual list of the best 25 schools in the nation.

The top three schools for the 1995 ranking were Harvard University, Princeton University, and Yale University, respectively. Stanford University came fifth, followed by Duke University and the California Institute of Technology. Dartmouth College, Columbia University, and the University of Chicago rounded out the top 10.

"It is gratifying to see that we are ranked so high, since we are committed to excellence," said Provost Mark S. Wrighton. However, he cautioned that the ranking should not be taken as an absolute evaluation though "it certainly encourages really outstanding people to think about MIT and shows that MIT is a very special place," he said.

The criteria used to evaluate the schools included student selectivity (which involved a study of acceptance rates, high school class standing, and test scores), academic reputation, faculty resources, graduation rate, financial resources, and alumni satisfaction.

Colleges received weighted scores in each category, and these were totaled to create overall scores, which were then ranked. Selectivity and reputation accounted for 25 percent, faculty resources 20 percent, graduation rate 15 percent, financial resources 10 percent, and alumni satisfaction 5 percent.

MIT tied with Harvard and Stanford for best academic reputation.

**Building Break-Ins, Property Losses Rile CCR Employees**

By Don Lacey

A rash of break-ins in Buildings 18, 66, E17, and F11, and a large number of crimes recorded on campus for the period of Sept. 16 through Sept. 23, according to Chief of Campus Police Anne P. DeHarow.

The total dollar value of stolen possessions jumped to $24,000 from almost $10,000 in the week before.

Last Wednesday personal belongings, laboratory equipment, and building keys were stolen from the Center for Cancer Research, located in E17. The theft of the keys required changing EI7's locks, said CCR Building Manager Ward Delfarow.

Outweighing the loss of property and the nuisance of having to change locks was the general feeling of a loss of security at CCR, which employs about 200 people, Delfarow said.

"In a case like this, everybody feels violated, like they can't turn around and have things unattended," DeHarow said.

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**The Weather**

Today: Sunny and breezy, 67°F (19°C)
Tonight: Clear, chilly, 46°F (8°C)

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**DoD, Page 12**

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**Details, Page 2**

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**On the Screen Page 7**

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**On the Town Page 8**

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**TODAY'S AHEAD: Frosh professors given advice on term survival.**

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**Inside**

- [Frosh professors given advice on term survival.](Page 10)
- [On the Screen](Page 7)
- [On the Town](Page 8)
Swedish Mourns Lives Lost In Huge Maritime Disaster

By Dean E. Murphy and John D. Hays

STOCKHOLM, Sweden—Police were writing tickets, patrolling the streets and making arrests at the turn of the year, not entering homes in search of wanted men. And yet, in the hour before dawn on Friday, a Swedish island was under attack, with the estimated death toll reaching 100 people, including 10 children. The attack was the latest in a series of terror attacks in the area, which has been hit by several other bombings and shootings in recent weeks.

In a move that震惊ed the world, Swedish police said that the attack was a targeted assassination attempt on the island of Gotland, near the Swedish-Finnish border. The police believe that the attackers were members of a group that has been linked to al-Qaeda. The group, known as the "Swedish Cells," has been active in the region for several years.

The police said that they had received a tip-off from a local resident who had heard strange noises coming from the area. When police arrived, they found a body lying on the ground, with a number of bullet holes in the chest and abdomen. The victim was later identified as a local resident, who had been shot dead in the attack.

The police are still investigating the case, and are urging anyone with information to come forward. They have asked for the public's help in identifying the attackers, and have offered a reward for any information that leads to their capture.

A activist group in Sweden has called for a day of mourning for the victims of the attack, and has organized a demonstration in the area. The group is calling for a stronger response from the Swedish government, and is demanding that more resources be allocated to counterterrorism efforts.

The attack comes at a time of increased tension in the region, with several other countries experiencing similar attacks in recent months. Sweden, which is a member of the European Union, has been hit by several bombings and shootings in recent weeks, and the government has been under pressure to do more to combat terrorism.

The sense of shock and grief in the island was profound, with people coming out to pay their respects to the victims. The local newspaper, the Östergötlands Dagblad, reported that the island was in mourning, with flags flying at half-mast and a three-minute silence being observed.

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Assassination of PRI Official Heightens Mexico’s Instability

By Juanita Darling and Sebastian Rotella

WASHINGTON

The second political assassination in six months raised ques-
tions Thursday about the continued effectiveness of the sys-
tem that has kept this nation stable for six decades.

At the least, the virtual one-party system — which Peruvian writer Mario Vargas Llosa has called “a perfect dictator-
ship” — seemed less so as Mario Ruiz Massieu — the sec-
ting official in the Institutional Revolutionary Party, which has ruled this country for 45 years — had been traced to a town in the Rio Grande Valley of Texas, law enforcement sources said Thursday.

With the help of U.S. authorities, investigators have determined that the Intercity 9-mm submachine gun, a model known as a “Tech 9,” was purchased in the unnamed bor-
ter city, sources said. But it was not immediately clear who made the purchase and when.

As the investigation continued, Mexican government officials continued to express confidence in their political system, which is marked by stability and the seeming, impu-
tity of drug dealers, as they conducted a funeral for Ruiz Massieu, leaving just six months after the assassination of PRI presidential candidate Luis Donaldo Colosio, Ruiz Massieu’s slaying heights worries that Mexico could be returning to the days of political violence that this nation endured in the 1930s, and which led to the deg-
oration of the PRI as a peaceful way to broker power struggles.

Ruiz Massieu was fatally shot Wednesday morning in front of a downtown hotel as he left a break-
fast for his party’s recently elected federal deputies.

His body lay in state at party headquarters Wednesday evening, then being moved to a funeral home in the south of the capital, where a small number of mourners gathered Thursday morning, until he was taken to the Spanish Cemetery for cremation.

U.S. law enforcement sources said they found plausible the sce-
nario that drug traffickers had killed Ruiz Massieu to send a message to his brother, Deputy Attorney Gener-
al Mario Ruiz Massieu. “It’s a good theory,” a U.S. official said. “But that’s all it is — a theory. Mario Ruiz has been active in directing (anti-drug) operations and providing manpower to go after the cartels.”

Any of Mexico’s top drug cartels could have been involved in the murder, the official said.

Sen. Hollings Holds Up Vote on GATT, Clinton Braces for Fight

By Ann Devroy and Peter Behr

WASHINGTON

A week after predicting the Presi-
dent and Congress would at least be able to take credit for another major trade pact before adjournment next week, the Clinton administration Thursday returned to battle stations for a post-election fight in the Sen-
ate that is now causing jitters in the White House.

For an administration that has lived two years at the edge, it was a familiar territory. And this time, Republicans are not to blame.

Sen. Ernest Hollings, D-S.C., ignored personal pleas by Clinton in private meetings Tuesday at the White House and opted to set off the battle that will bring the Senate into a rare lurch down session at the end of November.

U.S. Trade Representative Mickey Kantor said Thursday that the White House, Congressional leaders and Hollings have now agreed on a time frame for debate and early floor action on GATT, the interna-
tional trade agreement that took two administrations eight years to negotiate among 123 countries.

It would reduce tariffs and subsidies over a 10-year period and has gotten wide support from most Republicans and Democrats as a broad opening of markets around the world that will bring American jobs.

Hollings, chairman of the Senate Commerce Committee, decided to exercise his right to hold the legis-
lation in committee for 45 days, or past the scheduled Oct. 7 adjourn-
ment of Congress for the November mid-term elections. The Hollings move forced Clinton and Democrat-
ic leaders to bring the Senate back in December to vote on the pact and cause some in Congress and out-
side Congress to wonder why the White House took so long to get the treaty in shape and why the White House sent the legislation up with-
out a nod from Hollings.

Administration officials assert they had no choice and that they have the votes for the agreement once past this maneuvering. “We are now certain to pass this year,” said Kantor.

There are few predictions that Clinton could lose this vote — most say the treaty is too important to his legacy. “I see no reason for the Senate to reject it,” said Kantor.

His audience of 800 business and political leaders was enthuis-
sastic, with his prestige to try and shore up the bridge.

“Irony yielded to an equally challenging proposition: Russia’s claim as a credible business partner along the Pacific Rim,” President Yeltsin said. “Last year our trade volume doubled. I see con-
tinued interest from the United States, there are more smiles. In the East, more stress,” he said.

His audience of 800 business and political leaders was enthusia-
sastic, with his prestige to try and shore up the bridge.

“The West Coast of the United States has established very good contacts with us. It is time to cooperate on a pragmatic basis,” the Russian leader said. “Last year our trade volume doubled. I see con-
tinued interest from the United States, there are more smiles. In the East, more stress,” he said.

His audience of 800 business and political leaders was enthuis-
sastic, with his prestige to try and shore up the bridge.

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The shuttle must maintain AT LEAST 30 riders per week in October for service to continue in November.
Safe Walk Would Be More Effective If Route Were Expanded

In theory Safe Walk is a good idea (“Safe Walk Suffering from Lack of Use,” Sept. 27). While not obnoxious for street combat effectiveness, the members of Safe Walk can provide safety in numbers and constant radio contact to a central dispatcher (who, in turn, can contact the Campus Police and Safe Ride). In practice, however, Safe Walk is useless for the majority of students who would benefit from this service because they do not patrol the places students are expected to go which are deemed “unsafe.” For instance, the architecture studios (ask any Course IV major about the hours they keep there), or the Harvard Bridge (where several students I know have been mugged and the means of avoiding dangerous situations are limited). While it is arguable for the purposes of liability that students who live across the bridge can be compared to students renting apartments and are therefore on their own, it does not seem acceptable to deny accountability for what happens to students that are assigned to go to designated Institute buildings.

Because Safe Walk patrols Institute buildings that are generally considered safe places to walk and dormitory areas that are highly policed by students, yet ignores the needs of dormitory residents and is therefore off the radar of the Institute students, it does not contribute too much to student security.

The solution presented is to take Safe Walk for the protection of the campus or for the protection of students? Compared to students walking along dormitory dorm, there are relatively few students going in three other directions to pair up with, although many would prefer the safety of a group. Students do not take advantage of this service because they can’t. Its “value” is limited to students that Safe Walk was available for on-campus travel, but it was off-limits for our needs. We are expected to commute to and from Random Hall, yet it is too unsafe to allow Safe Walk to escort me or my fellow dormmates back from campus proper. If a person from Random Hall was to join Safe Walk, they would not be allowed to walk home while on duty.

Is it too much to ask to allow Safe Walk to walk the three blocks from Vassar Street to Random or across the Harvard Bridge to Beacon Street? Even if the Campus Police do not have an official capacity to assist students in these areas, don’t they have better access to local authorities than a student that left the residence halls? What does it take to allow Safe Walk to escort students to places that we can assign to go, what right does it have to expect us to even go to these places on our own, especially without assistance when the means of reasonable protection are available?

We would like to use Safe Walk. Members of Safe Walk would like to help us. Current MIT policy does not allow Safe Walk to be effective for the students who need it the most.

Erika K. Schutz ’95
President of Random Hall

AEPi Claims Innocence

We, the brothers and pledges of the Alpha Epsilon Pi Fraternity, would like to respond to Friday’s article, “IFC Rush Fines Led by AEPi,” [Sept. 23]. We are currently appealing case citations, and we are concerned that they will be overturned. However, even if we are cleared, we worry that our reputation will remain damaged unless we respond to the M.I.T. community immediately.

All of the citations stem from our community event on Saturday, Aug. 27, a convention performed at our house, beginning at 10:15 P.M. Friday. We had prior permission to hold this event, and we thought it was fair, and we thought it was polite. We certainly didn’t want to deprive anyone of this opportunity to see freshmen. So, every 15 minutes, a member of our fraternity went to the campers and knocked on the door of the room to see the freshmen. Each time, the campers verbally declined the chance. While the campers were waiting, representatives of fraternities that had the freshmen on occasion got them sodas. At one point, a camper who had declined our offer to see freshmen immediately, even though this freshman had requested no interruptions.

Unfortunately, the convention performed 15 minutes longer than we had anticipated. At around midnight, the freshmen became restless and the freshmen felt they should get the freshmen offered. The last of the freshmen finally stated that he didn’t want to go to

Letters

Letters To The Editor

The Tech welcomes letters to the editor. Letters must be typed, double-spaced and addressed to The Tech, P.O. Box 397092, Cambridge, MA 02239-7092, or by interdepartmental mail to Room W20-483. Electronic submissions in plain text format may be mailed to letters@tech.mit.edu. All submissions are due by 4:30 p.m. two days before the publication date.

Letters and letters to the editor must bear the author’s signature, address, and phone number. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express permission of the author of the letter or cartoon. Please be concise; shorter letters will be given higher priority. Once submitted, all letters become property of The Tech, and we will not return them. We regret we cannot publish every letter we receive.

To Reach Us

The Tech’s telephone number is (617) 253-1541. Electronic mail is the easiest way to reach any member of our staff. Mail to the Tech’s headquarters at 10 Student Center East, Room 110, Massachusetts Institute of Technology, Cambridge, MA 02139-7029, or by interdepartmental mail to Room W20-483. Letters and letters to the editor must bear the author’s signature, address, and phone number.

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I, effectively proved that you are purely detrim-
ent to the music. The sentiment is the same. For 
some, it's enough sentiment, while for others, the vul-

er, but the sentiment is the same. For some, it's 

Perhaps the true tragedy of the past

week was that instead of promoting a warness,
you effectively proved that you are purely deter-

in for the homosexual community to attain 
its reach, it's time for us to educate and this comes 

to the appeal of a frustrated 16 

year old male libido. Like it or not, and many 
human condition - they just like it down 
away from The Jesus Lizard. But please 

leaving any critical evaluation of them to those 
of us whom their music is directed. They are 

This AD (VALID 

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### The Arts

**ON THE SCREEN**

- **Excellent**
- **Good**
- **Average**
- **Poor**

*Natural Born Killers*

Oliver Stone’s latest film focuses on a murderous couple (Woody Harrelson and Juliette Lewis) whose sensational mass-killing spree catapults them into the national spotlight. Their lives are consequently exploited by a TV tabloid journalist (Robert Downey Jr.), a ruthless cop (Tom Sizemore), and a somewhat disheartened prison warden (Tommy Lee Jones). All elements of justice and the media machine are represented as cartoonish caricatures, which dehumanize the film going on: The main problem is the director’s somewhat hypocritical attitude that fails to recognize that he is part of that same media machine. The main attractions in the film are the hyperkinetic performances of the cast members, the excessive violence, and the bizarre, rapid-fire editing of picture and sound — all of which Stone executes brilliantly. By the end of the film, audiences will either revel in its visual audacity or deplore its apparent lack of message. - Scott Drotin, Loews Ciner.

*Quiz Show*

The quiz-show scandals of the 1950s forced America to probe the illusion and image-making. Excellent performances by Ralph Fiennes and John Turturro, as quiz-show contestants Charles Van Doren and Herbert Stempel, make this reality-based drama worth the contemplation and dissection of ethical issues amid the phantoms of television. — Craig K. Chang, Loews Copley Place.

*Reality Blues*

Finally, here is a 20-something movie with a message. Winona Ryder stars as a recent college graduate grappling with questions of identity. Following her dream of making documentary films, she interns with a television program and encounters a world of people too self-absorbed to pay her efforts much attention. She meets a nice TV executive named Michael (Ben Stiller), doesn’t fall in love, and is forced to choose between having fun with him and having a true connection with her old friend Troy (Ethan Hawke). And through all these trials, the movie still succeeds as a comedy, full of crazy details and witty one-liners. The actors’ wonderful performances, as well as insightful writing by Helen Children and directing by Ben Stiller, make this a very entertaining movie. — Gretchen Rott, LSC Saturday.

*The Shawshank Redemption*

This extraordinary movie about hope, friendship, and renewal in the face of suffering in life is much more heartfelt than its title suggests. Tim Robbins embodies the classic protagonist in Andy Dufresne, a banker who is imprisoned for two murders he swears he did not commit, and he is forced to face the abrasive reality of prison life. He eventually comes out of his shell and cultivates a friendship with Red (Morgan Freeman), whose connections inside the prison provide a neat counterpoint to Andy’s own talents as a financial planner, which he eventually exploits to get on the good side of the prison guards. Through all of Andy’s suffering in prison, he never loses the hope of being free, and this carries both Andy and Red through the tough times. This film transcends its short-story basis (originally written by Stephen King) with excellent performances and artistic direction — it has “Oscar” written all over it. — John Jacobs, Loews Copley Place.

**Terminal Velocity**

A suspense-action-comedy, in that order. The first few minutes seem terminal, but the film slowly picks up the pace. Charlie Sheen plays a daredevil skydiver who gets drawn into a battle against an international military conspiracy. Nas-tanga Kiniski is the woman who tricks him into fighting KGt bad guys (“KG=used-to-be”) agents and foiling their money laundering scheme in Arizona. Fans of Charlie Sheen will see lots of his characteristic humor because this film focuses more on suspense and action than on comedy. However, he has enough lines to make the action scenes more entertaining. Terminal Velocity doesn’t have as many action scenes as Speed, but those it does have are very impressive. The plot is thin and seems unbelievable, but who goes to the movies for reality? The action and comedy are recommended because they are better than does its story. — Kamal Swamidoss, Loews Copley Place.

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**The Arts September 30, 1994**

**Classical Music**

Boston Symphony Orchestra
Symphony Hall, 300 Massachusetts Ave., Boston. Sept. 30, 6:30 p.m. and Oct. 1, 8 p.m. and 8:30 p.m. Admission: $40, $30, $20, $15. Information: 267-8800.

Virginia Symphony Orchestra

**Popular Music**

Boston Poetry Marathon

**Film**

*Ghost Town* (Dolby Stereo, R-rated, 113 minutes)

*Midnight in the Garden of Good and Evil* (Dolby Stereo, R-rated, 117 minutes)

*The Name of the Rose* (Dolby Stereo, R-rated, 89 minutes)

*The Adventures of Baron Munchausen* (Dolby Stereo, R-rated, 117 minutes)
Brattle Theatre, 10 Classon St., Cambridge. Sept. 30, 8 & 10:30 p.m. Admission: $7, $5. Information: 962-1561.

*The Name of the Rose* (Dolby Stereo, R-rated, 89 minutes)

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*Midnight in the Garden of Good and Evil* (Dolby Stereo, R-rated, 117 minutes)
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**The Arts**

**Lectures**

**Boston University Film/Video Directors/Filmmakers Class.** 1294 Common St., Boston. Admission: $25, $15 for BU members; $60 for the entire semester. Call 353-5140 for information. Information: 353-5140.


**Stone Alley.** Ongoing. Information: 253-6444. First Friday nights feature films, second Friday nights feature television projects, and third Friday nights feature video projects. Saturday nights feature experimental films.

**The Computer Museum in Boston.** 444 Boston Ave., Brookline. Hours: 10 a.m.-5 p.m., Mon.-Fri.; 11 a.m.-4 p.m., Sat.-Sun. Information: 253-7600.


**The Massachusetts Institute of Technology.** 50 Memorial Dr., Rm. E52-466. Information: 353-5140.

**The MIT Museum.** 20 Ames St., Cambridge. Hours: 1-5 p.m., Mon.-Wed.; 12 noon-6 p.m., Thurs.; 12 noon-8 p.m., Fri.-Sun., 1-5 p.m., Sat.-Sun. Information: 353-5140.

**The New England Aquarium.** 145 India St., Boston. Hours: 10 a.m.-5 p.m., daily. Information: 536-5200.

**The Old South Meeting House.** 310 Washington St., Boston. Hours: 10 a.m.-5 p.m., Mon.-Sat.; noon-5 p.m., Sun. Information: 536-5200.

**The Phillips Collection.** 1600 Massachusetts Ave., NW, Washington, DC. Hours: 10 a.m.-5:30 p.m., Tues.-Sun. Information: 338-0806.

**The Rhode Island School of Design Museum of Art.** 128 Water St., Providence. Hours: 10 a.m.-5 p.m., Tues.-Sun. Information: 785-2700.

**The Smithsonian Institution.** National Portrait Gallery. 900 Jefferson Dr. SW, Washington, DC. Hours: 10 a.m.-5:30 p.m., Tues.-Sun. Information: 357-2700.

**The Smithsonian Institution.** National Air and Space Museum. 600 Independence Ave., SW, Washington, DC. Hours: 10 a.m.-5:30 p.m., Tues.-Sun. Information: 357-2700.


**The Smithsonian Institution.** National Museum of Natural History. 10th St. and Constitution Ave. NW, Washington, DC. Hours: 10 a.m.-5:30 p.m., Tues.-Sun. Information: 357-2700.

**The Smithsonian Institution.** National Museum of American Art. 8th St. and Penn Ave. SE, Washington, DC. Hours: 10 a.m.-5:30 p.m., Tues.-Sun. Information: 357-2700.

**The Smithsonian Institution.** National Gallery of Art. 9th St. and Constitution Ave. NW, Washington, DC. Hours: 10 a.m.-5:30 p.m., Tues.-Sun. Information: 357-2700.


**The Virginia Museum of Fine Arts.** 2500 Brook Road, Richmond. Hours: 10 a.m.-5:30 p.m., Tues.-Sun. Information: 357-2700.

**The Walker Art Center.** 1100 Nicollet Mall, Minneapolis, MN. Hours: 10 a.m.-5:30 p.m., Tues.-Sun. Information: 357-2700.

**The Yale University Art Gallery.** 1111 Commonwealth Ave., Boston. Hours: 10 a.m.-5 p.m., Tues.-Sun. Information: 357-2700.

**The Yerkes Observatory.** 1700 Broadway, Ewan, IL. Hours: 10 a.m.-5:30 p.m., Tues.-Sun. Information: 357-2700.

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Frosh Professors Give Advice
And Expectations for Term

By Karen Seto

A month has passed since freshmen first arrived on campus for Residence and Orientation Week. Freshmen now have a pretty solid idea of what their courseload is like, whether or not they enjoy a class, and which classes are the hardest, the most demanding, and the most time-consuming. However, to present a more well-rounded view of the required freshman core courses, the professors gave their opinions, advice, and expectations.

3.091 Introduction to Solid Chemistry

(3.091) concentrates on the properties and behavior of solids. “One of the goals for this course is for the student to understand the basis of the properties of solids that surround us,” said Professor of Materials Science and Engineering August F. Witt, who is teaching the course this semester.

The course consists of three lectures and two recitations a week, and requires about seven to 10 hours of outside studying and working on problem sets for the student to perform adequately, Witt said. During the last five to 10 minutes of each lecture, Witt relates the course material to the real world.

There are few experiments in this course, Witt said. Although they are not submitted for a grade, problem sets, which can be worked on individually or as a team, are issued weekly. Still, students are kept accountable by the quizzes because quiz problems correlate with those on the problem sets. The quizzes count for 20 percent of the final grade.

Witt emphasizes that teaching assistants are important in the course because they are the ones who have “direct contact with the students.”

In addition, “3.091 depends on the students’ use of [the] Athena [Computing Environment],” Witt said. Problem sets and a summary of each lecture is in the course locker on Athena.

5.11 Principles of Chemical Science

(5.11) teaches students basic principles of molecular chemistry. Professor of Chemistry Robert W. Field teaches the course during the first half of the semester, and Professor of Chemistry Alan Davison teaches the second half.

One problem set is issued each week, each taking about three to four hours. There are four lectures a week, each taking about three to four hours. There are three one-hour lectures, and one one-hour recitation.

Subjects Wanted for a Research Study at McLean Hospital

115 Hill Street, Belmont, MA (accessible by public transportation)

Healthy men, age 20 or over, are sought to study the effects of injectable testosterone (an anabolic steroid). You may be eligible for this study whether or not you lift weights and whether or not you have previously used anabolic steroids. Subjects receive a free medical, psychological, and laboratory evaluation as part of the study and earn approximately $1200 for completing the study. For information, call Dr. Elena Kouri at (617) 855-3260.

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1770 Massachusetts Avenue, Suite 332
Cambridge, MA 02140
Tel. (617) 868-0181 Fax (617) 868-0187

Students may opt to submit a letter stating their interest if resume is not completed by October 7.
Wrighton Stresses Diversity
As Another Sign of Quality

Ranking, from Page 1

ranked fifth in student selectivity, and fourth in faculty resources. However, relatively low ranks of 13 and 23 in graduation rate and alumni satisfaction, respectively, slightly lowered the overall score.

The Institute's fourth-place ranking is the same as last year, but represents a steady rise from seventh place during the past four years.

Wrighton said that the list has a few important implications, but that he would place emphasis elsewhere.

"I think this report is a useful guide.... The criteria used in this list are not the ones we would use in judging ourselves nor those that students use in deciding on a school. It is always nice to want to be an engineer so this ranking didn't really matter to me." Smith said.

Smith said that the slight shifts in position over the last few years did not reflect real changes because the schools at the top are not separated by much.

Students feel rankings have slight problems

The overall reaction of the student body was somewhat mixed. Most people said that the rankings were valid, but criticized certain methods used in the ranking.

"It is not right to lump MIT with some of the other schools," said Richard Y. Lee '97. "I also have a problem with their student selectivity category. They ranked us fifth, even though we have a smaller applicant pool. Harvard, Princeton, and Yale get people who apply just for the sake of applying. Still, U.S. News is the most reliable set of rankings," Lee said.

"This report looks good statistically, but it doesn't tell you what it's like going to the school," said Phillip J. Rowe '97, said, "It's fun to see MIT can stand to gear our efforts to achieve that," Smith said.

Other people did not really see the rankings as very important, although they found that the list did have some value.

Simply having one on hand won't do any good.

For a latex condom to be effective against AIDS, you've got to put it on the correct appendage. Use a condom. Barring abstinence, it's the best way to prevent AIDS. For more information about HIV and AIDS, call the AIDS Action Committee Hotline at 1-800-235-2331.

This space donated by The Tech
Same Suspect Committed All Three Robberies, Police Say

ATTM, from Page 1

wallet in one hand and money in the other. During the time we were in the lot, two cars drove by," Kupferberg said. Last Friday was dark and rainy and visibility was low, Kupferberg said. But "I am incredulous that this occurred with a great number of people around. It is only my guess that they did not notice what was occurring in front of them," he said. The suspect was calm, polite, well-spoken, and apologized for robbing him, Kupferberg said.Rainy will compensate Kupferberg "as an act of good will" even though they are not insured against ATM robberies, he said.

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This is your boss, Tom.

Tom Maranon, Vice President of Consumer Services

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If you’d like to find out more about an opportunity with us, stop by and speak with one of our representatives at our Information Session on the below date.

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Thursday, October 6, 1994
7:30p
Cambridge Center Marriott Hotel
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Cambridge, MA

*Check in at the front desk for directions!*

If you are unable to attend, submit your resume to the Office of Career Services between 9/25/1994 and 10/25/1994 to schedule an interview with us on campus October 24 & 25.

We are an equal opportunity employer who is proud of the achievements of each individual and team.

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MIT's DoD-Funded Projects in Jeepardy

DoD, from Page 1

The Army, the Navy, the Air Force, and the Advanced Research Projects Agency, will each adjust their internal funding plans, Crowley said.

ARPA has been "key over the years in funding computer sciences," said Kenneth D. Campbell, director of the news office. Many innovations in computing over the past 25 to 30 years have come from ARPA-funded projects, he said.

The reduction is distributed as follows: $13.8 million from the Army, $62.2 million from the Navy, $18.5 million from the Air Force, $86.5 million from defense-wide appropriation, and $19.1 million associated with university laboratories, according to the House of Representatives' Congressional Record (Sept. 26).

"It's particularly worrisome because in national terms, as well as MIT terms, the DoD funding is heavily concentrated in schools of engineering" - especially in departments of computer science, materials science, and ocean engineering, Crowley said. "I think it is important to note that the effects of this run counter to national policy goals for science and technology and current administration," Crowley said.

Many lobbied for MIT

Crowdy credited the efforts of the members of Congress for reducing the cuts to $200 million from drastic reductions originally approved by the House. "One has to look at the $200 million cut as a serious problem which one must also understand that we had a [House] proposal to cut it by $900 million."

Sen. Edward M. Kennedy, Sen. John F. Kerry, and Rep. Joe Moakley "were absolutely crucial to urge our colleagues to restore funding," Crowley said.

The Massachusetts delegation sent a letter supporting university research funding to the House and the Senate on Aug. 4.

Along with certain Congressmen supporters, several industry leaders strongly backed the universities' position, Crowley said.

Professor Preview
Outlines Core Load

Professors, from Page 10

exams which "have the reputation of being long," Field said. "We expect people to construct their answer rather than merely memor- ing equations."

At least one demonstration a week is scheduled, which "is very important because chemistry is an experimental science." There are no laboratory assignments in this course because the resources for 1,100 students are not available, he said.

A unique feature of 5.11 is Teamwork. Teamwork is optional, but it enables groups of three to five students to study and work on 5.11 together as a team. Being a part of a Teamwork group can only help one's grade because at the end of the term, the student receives the higher of either his or her own grade or a composite grade of his and the team's grade, Field said. A designated team coordinator is responsible for getting the team on schedule, as well as acting as a regular liaison with the recitation instructor.

"The recitations and teaching assistants play the key role in my course," Field said. "The recitations are critical, and they deal heavily with the assistance of the TAs. In other words, I create the anxiety and the TAs take the stress away."

Field's advice to freshmen is: "Don't get behind, but have fun!"

7.012

Introductory Biology (7.012) is taught by professors Eric Lander and Harvey F. Lodish.

"The big picture of biology is to unifield and on creating that I advise my students to see the broad picture and not to get hung up with little minutiae," Lander said. "I love to teach and to convey my enthusiasm in the class."
Discover how you can make a difference on these issues and more on October 6 when members of the Corporation will be on hand to discuss how to be elected to the Corporation. The ballot to elect a young alumni/ae (Classes 1993, 1994, 1995) to the Corporation needs strong candidates. Could that be you or a friend at MIT? Herald your interests and concerns by nominating yourself or a friend.

Watch your mail for nomination notices and come to the Open Meeting on Thursday, October 6, 1994 in Lobby 13 from 6:00 to 9:00 p.m. Share a pizza with members of the Corporation and learn how you can make a difference for the student body at MIT.

See other side for nomination form.

**THE MASSACHUSETTS SPACE GRANT CONSORTIUM HAS FUNDS AVAILABLE FOR UROP PROJECTS FOR FALL 94 TO UNDERGRADUATES DOING RESEARCH IN ANY AREA RELATED TO THE STUDY OF SPACE SCIENCE AND ENGINEERING IN ALL DEPARTMENTS.**

**FOR FURTHER INFORMATION, PLEASE CALL LISA SASSER, x 3-4929, OR HELEN HALARIS, x 8-5546, AT THE MASSACHUSETTS SPACE GRANT CONSORTIUM OR COME BY THE OFFICE, 33-212.**

**DEADLINE: OCTOBER 5, 1994**
Financial Aid Deadlines

Undergraduate renewal financial aid applications for the 1994-95 academic year were due in the Student Financial Aid Office April 22, 1994 for a student to have received a financial aid decision that would be reflected on the first Bursar's bill (mailed in July).

Applications have been and will continue to be accepted, but applicants will be responsible for making arrangements to pay any Bursar charges until a financial aid decision can be made. Applicants will also be responsible for payment of any finance charges or late fees incurred on unpaid balances.

Applications completed after October 7, 1994 (fall term Add Date) will be designated as late. The consequence of submitting applications late will be reduced grant eligibility equaling 5% of the initial calculated parents’ contribution or $500, whichever is greater. Students unable to meet these deadlines because of extenuating circumstances should notify the Student Financial Aid Office. The final deadline for students registered for only the spring term is March 10, 1994 (spring term Add Date).

Nomination to the MIT Corporation for Final Year Students and Recent Graduates

Classes of 1993, 1994, 1995

DUE DATE: NOVEMBER 4, 1994

Nominee: __________________________ Degree: __________ Year: __________
Address: ___________________________ Phone: __________

Please briefly state why you have chosen to nominate this individual (self-nominations welcome). Any additional information you can provide (relevant activities, references, etc.) is also welcome:

Your Name: __________________________ MIT Affiliation _______________________
Address: ___________________________ Phone: __________

Please forward nominations to Kathleen Cragin Gailitis, Room 12-090 or rcragin@mitvmc.mit.edu no later than Nov. 4. Your nominee will be contacted for further information.

Rash of Break-Ins Occur on Campus

Break-Ins, from Page 1

for even a second," DeHanov said, adding that nothing stolen from CCR was irreplaceable.

In Building 18, a thief broke in and stole a computer and electronic equipment last Wednesday.

Glavin said that last week's increase in breaking and entering crimes was probably only an aberration, and that break-ins involving forced entry are rare around MIT.

Nonetheless, Campus Police has responded to the crimes by increasing the number of police patrols in the affected areas and by putting up more crime prevention notices, Glavin said.

Many campus crimes preventable

Generally, students interviewed are not very concerned about campus crimes and perceive that many crimes are preventable.

Cary K. Lai '98 said that although he realizes that thefts occur frequently at MIT, it does not particularly worry him. "It strikes me that if you remember to take a few simple precautions, you aren't going to have things stolen from you," Lai said.

Echoing that sentiment, Sarah M. Shore '98 said that most crimes on campus are easily avoidable. "It's only when people do something stupid like leaving their bikes unlocked that you run into problems," she said.

For the most part, Glavin agrees with students' perceptions about thefts on campus, adding that the vast majority occur because the victim simply left a possession unattended and out in the open. "That sort of thing is very frustrating for us to deal with," she said.

MIT could cut down on much of the crime if students took more care of their belongings, Glavin said.

Glavin said that the Campus Police takes reports of suspicious activity seriously, and encourages the reporting of any unusual behavior. "If someone calls, we'll go check it out," she said. "We have a responsibility and a duty to do so, and people shouldn't be worried about the possibility of phoning us about something which turns out to be harmless. We'd much rather have that than what happened last week."
System 7.5 Demonstration

Join Apple representatives TODAY

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Bush Room (10-105), 12:30-1:30

Macintosh System 7.5 helps you work smarter, faster and more productively – individually and with others – from the moment you install it. It offers exciting new features for active assistance, improved personal productivity, DOS and Windows compatibility, working easily on a network, advanced graphics and printing, portable digital documents, and enhanced mobile computing.

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Just stop by our palace any Sunday, Monday, Wednesday or Thursday night in W20-483 or call us at x3-1541 for more info.
Professors Say Attendance, Keeping Up Are Key

White's advice to freshmen is to do the problem sets and go to reception sessions, as well as lectures.

8.01

Physics I (8.01) is taught this year by Professor Wit Busza. If the student is weak in math and has no background in physics at all, then 8.01 can be a "killer course," Wit warned.

All students are required to take or pass out of two semesters of physics. Busza gives three reasons for this: To teach students the scientific method, to teach them how to solve problems, and to prepare them for most engineering and science courses, which require knowledge of Newtonian mechanics.

The class consists of three one-hour small classes taught by faculty, one one-hour demonstration lecture, and an optional Thursday night review session. The course is graded so that students learn to teach themselves. A detailed study guide equipped with problems, hints, and solutions is used in the course. There is no graded homework because "homework is not a testing tool, but a learning tool," Busza said. However, a quiz every Friday and exams which have analogous problems to the study guide are administered.

Students should not be fooled into thinking that because homework is not graded that they can get away with not doing it. This is no longer high school. They will fall flat on their face," Busza said.

"This year 8.01 is completely restructured from last year. Unlike most MIT classes, 8.01 is not graded on a curve. The pass mark is 55 percent, so the entire class may pass, or the entire class may fail," he said.

The class consists of three exams and a final. Ten problem sets are given out during the semester, of which all but one are graded, with grades for the exam, final, and a problem set.

Brian T. White '85.

As with other courses, recitations are essential to the students' learning in 7.012. TAs review lecture material and work on problems on problem sets with the students.

The class consists of three exams and a final. Ten problem sets are given out during the semester, of which all but one are graded, according to Technical Instructor

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**Clubs**

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**Misellaneous**

**Donate Your Live Brain to Science** (well, for 15 minutes anyway...) The Dept. of Brain & Cognitive Sciences seeks subjects whose first language is American English for exciting psycholinguistic research. Pays $3 for 15 minutes. Call Maria at 225-7499 or send e-mail to isossed@mit.edu.

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1991 Toyota MRZ bkl w/int., loaded, T-tops, CD/AC, 1 yr. warranty, 45,950 mi., $10,500 firm. (617) 267-5580.

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Rugs Never Used Oriental Rugs: 4x6-10, 6x9-18, 4x9-12. All: 4x6-90, 6x9-40, 9x12-75. (617)253-923.
Field Hockey Ranked Fourth

By Roger Crowley

The MIT field hockey team is currently ranked fourth in the most recent National Collegiate Athletic Association Northeast Regional Division III Poll. The Engineers have compiled a 5-1-0 record to begin the season. In a meets victory against Weller College, Katherine Merrilees '97 netted five goals. Goalkeeper Laura Walker '97 came up with 15 saves in the Engineers' loss to Babson College.

Soccer Club Now 2nd in League

Soccer, from Page 20

The most memorable was one which concluded with Menard G beating his marker inside the box only to be savagely taken down. The referee's questionable decision was to award a free kick outside the box, when it was clear to see from the tone and marking Menard's cannotaneous return to the area that he had clearly done inside. An interesting free kick inside the box might have been an acceptable decision but a free kick outside was incomprehensible. (Aside from this decision, though, the referee did a great job.)

The winner came from a set piece. The free kick from the left was hit to the penalty spot. Goreances' run to the cross brought three defenders with him and therefore his glancing header found Menard (still getting his breath back after scoring MIT's third goal) at the penalty spot. His header went just wide.

Defenders attempted to get on the scoresheet and what would have been the glazing on the cake were it to have been in the Bobcats' box in the dying moments of the game. His shot from the edge of the box rebounded off the upright with the goalies hopefully positioned. Such was the power behind the shot that the rebound landed outside the penalty area.

Mention should certainly be made of the defensive warriors in the trenches, Steffen Ernst, Allgor, Harry Bingham G, and Osten, who for long periods of the second half smothered the Essex offense to such an extent that the MIT offense were able to create so many chances. This result was very much a team effort.

It also may prove to have far-reaching implications on the final standings of the First Division. As we enter the last six games of the campaign, there appears to be only three teams with a chance to clinch the title: MIT, Lexington, and Canary Square. Certainly a thrilling end to the season is in store.

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SPORTS

Women's Tennis Wins Second NEW-8 Match

Tennis, from Page 20

a 3-0 lead.

At first singles, Matsuzaki captured the fourth point for MIT as the other three agonized over 6-1, 6-2. Second singles player Ramnath played with an awesome intensity throughout the entire match, which lasted more than 3 hours, and came away with a 2-5, 4-6, 6-4 loss and some good tennis under her belt. Koo put in a good effort but lost 6-2, 6-2, at third singles.

Fourth singles player Kommuni fought hard but took a tough loss, 6-2, 6-3, Kjerig, who played the fifth singles spot, completely dominated the first and third sets as he took a match decided 6-3, 2-6, 6-1 win. At number six singles, Nora Humphrey '98 took the honors of winning the fifth and winning point for MIT as she totally annihilated her opponent, 6-2, 6-2.

In exhibition singles play, Sejal Shah '95 crushed her opponent 9-0. The team hopes to continue it's success by maintaining their mental toughness and by working to improve their awesome team work.

The team has its next match on Saturday against Mount Holyoke College, another MIT-New 8 rival.

THE TECH

Computer Science Help Wanted

Part-time Positions for Windows Developers

Phillips' Playoff Hopes Will Be Killed Again

Light, from Page 20

c's Team, but the "Skins" are an 11-point underdog, and all America loves an underdog. Besides, you try winning in RFK Stadium.

Innos 36, Philly 24: In a story that has become typical to Eagles games, with much excepted, Philadelphia's playoff hopes once again. Scattle: It's Indy. But who cares! Pittsburgh 25, Houston 17: Oh boy, the AFC Central. On Monday night. This game shouldn't hurt Murphy-Brown's ratings any.

Finally

Henning Colman-Freyberger '96 sent in this very complete summary to last week's trivia question on Monday night:

"The first NFL championship game was played in 1932 in Chicago. The Bears beat the Portsmouth (Ohio) Spartans 9-0. The game was played to be played in Wrigley Field, but was moved to an improvised 80-yard dirt field in Chicago Stadium because of a snowstorm and the bitter cold, making the game the first indoor title as well."

Flexible hours, but minimum eight hours per week on-site required.

Additional hours off-site possible.

High tech office, excellent pay, previous workplace, no dress code.

Located near Alewife T Station in Cambridge.
Tennis Smashes Wellesley

Carol Matsuzuki

The women’s tennis team played Wellesley College on Tuesday in their second New England Women’s Eight Conference match this season. The Engineers emerged victorious with an exciting yet dominating win of 6-3 to stay undefeated in NEW-8 matches.

The key to MIT’s success was teamwork, as they captured all three doubles matches in aggressive yet cooperative style.

At first doubles, the team of Carol Matsuzuki ’95 and Miranda Foo ’95 had an extremely tight match but they upped their intensity notch and took the tiebreaker with conviction, clinching victory 9-7, 7-3.

Second doubles pair Seetha Ramnath ’96 and Sarah Kring ’97 showed exquisite teamwork as they dominated throughout the match, winning 8-4.

At third doubles, Lily Koo ’97 and Bobby Kommenn ’97 played solid, aggressive tennis, winning 8-5.

MIT went into singles play with

John Love ’97 challenges an opponent for the ball at the soccer game Tuesday afternoon. The Engineers lost 1-3 to Babson College.

Tennis, Page 19

MIT Slides by Essex United

By Josh Elliot

Soggy conditions at North Andover High School post-match for this clutch of the titans: the MIT graduate student club versus Essex United. MIT ended up winning the game 3-2.

The second half of MIT’s championship campaign got off to a disastrous start. Essex United, composed of MIT on their own field by a 2-1 margin in the spring, caught the MIT defense napping after three minutes. MIT’s usually stalwart defense will have to learn to build more redundancy into their system.

MIT’s overall throughput was half-intercepted by an Essex defender. Unfortunately, on the touch the ball deflected into the penalty area and into the path of the Essex center forward. Bobby Parker’s G rapid departure from the goal line was not rapid enough to be tackled to the ground, and when he did succeed in driving him wide of the goal, Ross Allgor G did manage to get back to cover the open net, but he couldn’t quite get to Parker’s driven shot against the post and into the net.

MIT came back valiantly from this setback. After 21 minutes, Malcolm Quinn G, on a foraging misstep deep in the Essex half, caught an Essex midfielder in possession. The ensuing run down the right wing and cross resulted in Dias G finding himself with time and space at the edge of the 6-yard box. The Essex goalkeeper was able to make a desperation save, but Jeremy Gherchanoc G, in the fashion of his compatriot and A.C. Milan center-forward Papin G, pounced on the rebound and buried the ball into the net.

The second half started just as dismally for MIT as the first. A long aerial ball over the backpedaling MIT defense was only partially cleared, and an Essex forward was able to capitalize.

However, MIT once again showed strength in the face of adversity. A sweeping movement from one end of the field to the other involving four MIT players saw Gherchanoc control a pass from Allgor and lay the ball back to Josh Elliot G. Elliot’s pass into the Essex half released Dias on the left wing. His weaving run brought him to the goal line on the left side of the Essex penalty area. His come-to-the-back of the penalty area was taken by Ross Elliot past one defender and the shot from about 10 yards was deflected (somewhat fortuitously) off the goalkeeper and an Essex defender before finding the back of the net.

Now MIT’s dominance started to show as a series of chances were created in front of the Essex goal. The key to MIT’s success was teamwork, as they captured all three doubles matches in aggressive yet cooperative style.

Sailors Earn Top Spots Despite Rain

By Lisa Collins

Braving continuous torrential downpour and blistering winds, the varsity sailing team traveled to Maine Maritime Academy in Casco Bay, Maine, last weekend and sailed in two full days of races.

Ten inches of rain, 14 feet of tide, and four knots of strong current made for torturous conditions. Despite the weather, the team sailed Lancers, dinghies, and keel boats in a total of 37 races and fared quite well.

Jeff Brock ’97 sailed Saturday in the New England Singlehanded Eliminations. Brock finished in the top half amid fierce Laser competition.

Brock and Freddy “Alfredo” Santos ’96 sailed Sunday in a Laser regatta plagued with light air. With a strong third place by Brock, MIT again finished in the top half.

Dinghy sailors Doug DeCoute

UPCOMING HOME EVENTS

Friday, Sept. 30
Men’s Tennis at Rolex New England Division III Championships, opening match, 1 p.m.

Saturday, Oct. 1
Women’s Sailing at New England Women’s Singlehanded Championships, 9 a.m.

Men’s Tennis at Rolex New England Division III Championships, opening match, 9 a.m.

Men’s Water Polo at Eastern Water Polo Association Northern Division Tournament II, opening game, 9:30 a.m.

Baseball vs. Babson College, noon.

Field Hockey vs. Mount Holyoke College, 1 p.m.

Men’s Soccer vs. Union College, 2 p.m.

Sunday, Oct. 2
Women’s Sailing at New England Women’s Singlehanded Championships, opening match, 9 a.m.

Men’s Tennis at Rolex New England Division III Championships, opening match, 9 a.m.

Baseball vs. Bentley College, noon.

Tuesday, Oct. 4
Women’s Soccer vs. Wellesley College, 4 p.m.

Field Hockey vs. Simmons College, 7 p.m.

Women’s Volleyball vs. Worcester Polytechnic Institute, 7 p.m.

Two Quarterbacks Are Injured

Column by Bo Light

Today’s column will be shortened due to two problems sets and a paper. I do have time to tell you, however, about injuries to two Heisman-candidate quarterbacks.

Nebraska’s Tommie Frazier has been hospitalized since Sunday with a blood clot behind his right knee. Frazier will miss tomorrow’s game against Wyoming (the Huskers are still favored by over 30 points), and could be out longer. Meanwhile, Alabama State QB Steve McNair is expected to play this weekend despite suffering a first-degree shoulder separation in last week’s loss to Sam Houston State. McNair had passed for almost 400 yards in that game before leaving in the fourth quarter. Now, let’s skip the predictions and go straight to the reason everyone reads this section anyway.

The Predictions

Columnist: MIT 17, Stony Brook 16. Engineers score the winning touchdown on a “lumberjackesque” play, which as it turns out is still legal in some states.

BU 23, James Madison 7. And the beat goes on for the unbeatable Terriers.

Florida 28, Mississippi 6: Gators’ lowest offensive output of the season is due to local “quarterback for a day” TCX. Washington is regular QB Tony Duse’s 70-year-old grandmother. Mom, Dean, unable to overcome the fact that she uses a walker, only completes 12 of 15 passes for 250 yards and a touchdown.

Nebraska 56, Wyoming 17: You think a team that averages over 480 yards making a game is going to miss their starting quarterback? Even Tony Dean’s grandmother can handle it.

Staunton 24, Note Dame 23: Staunton is 1-1-4, a 15-point underdog, and playing in South Bend. No contest, really.

Pete State 10, Temple 5: Goes to eight on their second touchdown to kick the Nittany Lions, 45-5 point favorites, from covering the spread.

New England 28, Green Bay 20: The Pet Rocks still have one of the worst defenses in the league, but they’ve proven they can win as long as they can score less than 35 points in a game.

Washington 14, Dallas 10: Dallas may be Ameri-