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Friday, October 16, 1998

MIT Graduate Wins Nobel Prize
For Hall Effect Theory Advances

By Bret Altschul

Nobel Laureate Robert B. Laughlin PhD '79 shared the Nobel Prize in physics this week with two other researchers.

Laughlin, a professor at Stanford University, shared the prize with Horst L. Stormer of Columbia University and Daniel C. Tsui of Princeton University for their work in discovering the fractional quantum Hall effect.

The prize includes $978,000, which will be divided among the three recipients.

Despite Laughlin's connection to MIT, it has been three years since an active member of the Institute has won a Nobel. In 1995, Professor of Chemistry Mario J. Molina shared the Nobel Prize in chemistry for his research on ozone depletion.

Discoveries made a decade ago

All three researchers were working at Bell Labs in 1982 when Stormer and Tsui discovered the effect. In 1983, Laughlin, then at the Lawrence Livermore National Laboratory, provided the theoretical explanation of the effect in terms of fractionally charged particles.

It was a "confluence of things from engineering that prepared me for understanding the fractional quantum Hall effect and coming up with an explanation," Laughlin said during a television interview at Stanford.

The fractional quantum Hall effect is the latest addition to a set of theories, the first of which was formulated in 1879.

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Mitants to dramatically restructure the freshman curriculum by 2001 were announced last week by Dean for Undergraduate Curriculum Kip V. Hodges PhD '82, although nothing has formally been decided upon as yet.

Dubbled the "Educational Design Project," the goal of the proposed restructuring is to improve the spirit of first-year students and prepare them for further study in their major, Hodges said.

"Freshman typically get burned out half-way through the semester. It's said for us to see freshmen so enthusiastic and excited during Orientation, and then by late October to see them seem to carry the weight of the world," Hodges said.

One major focus of the new group looking at the freshman year is cutting down the academic pace of MIT and to design course subjects so that they are more interactive and group-based, Hodges said.

"There is currently too much pace and pressure, and not enough time for quiet reflection to see the entire breadth of opportunity at the Institute," Hodges said.

Committee will propose changes

A student-faculty subcommittee of the Committee on the Undergraduate Program and the Dean's Office has been formed to outline the scope of the changes to the freshman year. Hodges and Professor of Media Arts and Sciences Stephen A. Benton will chair this committee.

The committee may propose a series of experimental subjects to be offered as soon as next year and even as early as the spring, Hodges said. Students would take the classes on a voluntary basis, he said.

"We hope to come up with a design by the end of this academic year, and to initiate a pilot program before we actually implement the changes," Hodges said.

Hodges said that the collaboration between the administration and faculty is not that typical, calling it "fairly unusual."

The cupid has the traditional

Curriculum, Page 25

MIT's annual Family Weekend begins today, with scales of activities planned to acquaint parents and siblings with their student's life at the Institute, as well as events for families whose students are too busy to attend.

A new event this year is a faculty lecture, given by Nobel Laureate Jerome I. Friedman. Friedman, who shared the 1996 Nobel Prize in Physics with Henry W. Kendall for the discovery of quarks, will speak on his work in this area. According to Jill Pullen, an alumni affairs officer, this talk should be the "highlight of the weekend."

Also eagerly anticipated this weekend is the Head of the Charles Regatta. Bridges over the Charles River, especially near Harvard, are expected to be packed. Students and parents are encouraged to get early to secure a good view of this event, which occurs on both Saturday and Sunday.

This weekend was chosen for Family Weekend partially because of the Regatta and partially because of the fall colors displayed around the Boston area, Pullen said.

Bands and a comedian will perform today on the Student Center steps as the closing event in a Friday afternoon music series.

Comics

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Sports

Fall sports are reviewed.

World & Nation

Opinion

Arts

On The Town

Police Log

Sports

Page 28

 Tonight: Clear, brisk, 46°F (8°C)

Tomorrow: Partly sunny, 63°F (17°C)

The Weather

Today: Partly sunny, 63°F (17°C)

Tonight: Clear, brisk, 46°F (8°C)

Tomorrow: Partly sunny, 63°F (17°C)
White House Steps Up Attack on Starr's Ethics

By George Hager and Stephen Barr

The White House and the Republican Congress reached a roughly $550 billion year-end budget deal Thursday, with both sides claiming major victories and vowing to take issues they lost to the voters.

Congress appears headed toward approving the massive spending measure as soon as today, which would avert a government shutdown and send the House and Senate home for the final two weeks before the Nov. 3 elections.

The bill settled big political fights and provided for huge spending increases in key programs.

Chief among those were $11.1 billion to begin hiring 100,000 new teachers, nearly $36 billion of emergency funding for hard-pressed farmers and ranchers, and almost $518 billion of new funding for the International Monetary Fund (IMF) — all priorities of the administration.

There were billions more for other Democratic initiatives, such as summer jobs for youth, after-school programs and low-income home heating assistance.

Tied in his deposition in the Jones case.

But in their own remarks to reporters, Netanyahou and Arafat showed no sign of readiness for the kinds of compromises, "Clinton and his aides say are necessary if the talks are to succeed.

Netanyahou stressed Israel's security demands, while Arafat outlined the Palestinians' aspirations for a state of their own, in effect restating positions both sides have clung to since talks broke down early last year.

Arafat meetings, the two Middle East peace process.

In back-to-back press events at the White House and on Capitol Hill, each side pronounced itself happy with the outcome.

"This is a very, very good day for America," said President Clinton during a White House ceremony in which he touted what he said were Democratic victories on education, environment and Social Security.

Republicans held their own celebration in the Capitol to show off what they said were their victories on defense spending, the war on drugs and abortion, though they insisted they were not tying up win-

Middle East Peace Talks Start With No Signs of Compromise

By Norman Kempster

Warning that neither side can hope to get everything it wants, President Clinton on Thursday wel-

came Israeli Prime Minister Benjamin Netanyahou and Palestinian Authority President Yasser Arafat to summit talks intended to break a stubborn stalemate in the Middle East peace process.

The 21-month-old negotiations have been tough for both sides, each trying to get what it wants.

The encyclical laments the rise of nihilism, historicism, agnosticism, relativism and other beliefs "that tend to devalue even the truths that had been regarded as inerrant for centuries."

This, he wrote, has led philosophy "to lose its way in the shifting sands of widespread skepticism," while ordinary people, especially students and teachers, nearly 6 billion of emergency spending for programs that were focused largely on Social Security taxes. Instead, the measure would include a scaled-back, $9.2 bil-lion, 10-year package whose primary focus is extending popular expiring tax breaks, such as the research and development credit for business.

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Air Transport Association Backs FAA
On Call for New Aircraft Insulation

By Don Phillips
THE WASHINGTON POST

The airline industry said Thursday it agrees with the Federal Aviation Administration that new burn tests on aircraft insulation indicate that most of the material must be replaced in an orderly process over several years. Carol B. Hallett, president of the Air Transport Association, said the insulation is not an immediate safety issue and "we do not know of a single injury or fatality" ever caused by burning insulation. She said the FAA action does not stem from a defect but is "a better way of keeping our skies safe."

The effectiveness of most types of insulation used throughout aircraft fuselages to muffle sound and protect passengers from heat and cold has been questioned for at least two years by some aviation officials. Action did not come, however, until after the crash of Swissair Flight 111 on Sept. 2 near Halifax, Nova Scotia, which killed 229 people. A cause for the crash has not been determined. But the Swissair McDonnell Douglas MD-11 jet was known to have some metallized Mylar insulation, which McDonnell Douglas Corp. and later Boeing Co. recommended be replaced because of possible flammability problems. The FAA informed airlines and manufacturers Wednesday that new burn tests showed that not only metallized Mylar but also almost all other forms of aircraft insulation could catch fire when exposed to high heat. The agency recommended that all current insulation be replaced at heavy maintenance periods and, if it said it would develop new tests and likely issue mandatory rules about six months. Officials of the ATA, which represents all major U.S. airlines, asked for a technical meeting with FAA officials Thursday morning to get more details. Afterward, they said the FAA analysis seems solid.

Hallett stressed, however, that no plates would be grounded and no passengers would be inconvenienced because of FAA assurances that the work could be done at regular maintenance intervals. Hallett said an estimated 4,734 aircraft represented by the ATA are affected, out of about 12,000 worldwide. ATA members operate 60 of the world's roughly 200 Lockheed L-1011 jets, the only aircraft with acceptable insulation.

Defense Bill Calls On Clinton to Protect Nuclear Secrets in Files

Top officials at the White House, the CIA, the FBI and dozens of other agencies will be told within a few days to stop the automatic declassification of their oldest secrets until the Clinton administration can devise a plan for protecting nuclear weapons information that might be buried in the files. The halt to President Clinton's bulk declassification program, lasting at least five months and perhaps much longer, is required under a compromise provision in the defense authorization bill awaiting his signature. It was inserted at the behest of senators alarmed by the accidental release of highly classified nuclear data in recently declassified documents.

Decreed by critics as a major blow to secrecy reform, the rider directs government agencies to revert to a painstaking page-by-page review of all classified records more than 25 years old so procedures are developed for determining which of their documents are "highly unlikely" to contain "Restricted Data" (RD) or "Formerly Restricted Data" (FRD), as nuclear secrets are called. Some 400 million pages of documents have been declassified in the two years since Clinton ordered automatic declassification of all historically valuable records by the year 2000.

Lebanese Army Commander Is Selected as President

With unanimous approval in parliament, Lebanon's popular army commander was elected president Thursday. But the most important vote had been already been cast by Syrian President Hafiz Assad. Syria has exercised an unofficial, although universally recognized, suzerainty over Lebanon since 1990. And Assad gave Gen. Emile Lahoud the nod last week from Damascus. The only dissenting voice to Lahoud's ascension as the country's 11th president was from Druze leader Wadad Jumblatt, who objected on principle to a military officer becoming head of state. Lahoud was backed by Syria and Israel, his former ally, and the exiled Christian President Elias Hrawi, another Syria loyalist. Lahoud, who has vowed to improve relations with the Jewish state, was sworn in Nov. 24 to succeed President Elias Hrawi, another Syria loyalist who served for nine years. Over the past year, Hrawi became embroiled in highly visible squabbles with Prime Minister Rafik Hariri and members of the media.

Undergraduate Association
MIT's Undergraduate Student Government

Concerned about New Housing Policy? make your voice heard

Take a study break with the UA!

Discuss housing and the new dorm in an informal setting close to home

Sunday, October 18 at 6 pm
Tuesday, October 20 at 10pm
Date TBA

Alpha Delta Phi
Chi Phi
East Campus

email<madmatt> or <jcberk>
for more information

UA On-Line Housing Referendum

Starts Today

Tell us what is important in new housing policy and the new dorm

http://ua.mit.edu
$45.00 per year. Third Class by mail.非-profit Organization Permit No. 59720. 

Dorm Fire: East Campus residents party to “We Didn’t Start the Fire.” Then who did?  

Baker Party: I.W.W. wonders how much Fiji punch the administrators can drink.  

Sloan Rankings: Drop to 15th. Maybe they’re too busy picking out their wardrobe?  

UA Finance Board: Good job giving yourselves a raise. Give us $23,000 and you can have an up arrow.  

Red Sox: At least they won a game this time.  

New Dormitory: How hard did they try to find the worst space on campus?  

Freshman Elections: Not any worse than last time. Maybe they’ll get it right by the time the Sox do make the Series.  

Greek Week: Alpha Chi Omega shows buffalo wing-eating gluttony isn’t just for frats anymore.

fan reacting to the NBA labor dispute.
Worrisome Reactions to a Disturbance

Guest Column
Johnathan N. S. Whitney

On Oct. 6, a "disturbance" occurred in Lobby 7 of the Science Center. Some were seen to be crying in the middle of the lobby. This lasted for about twenty minutes, until the Campus Police were called to in vain that this person was not on the verge of committing suicide.

This body was not a foreign element in the lobby, in the path of a hurrying crowd of hungry people, forced each person to think about the object of their own concern. The couple of people were there to see me, and were therefore "in the know" and not afraid to talk to me completely. Others saw me and tried their hardest to ignore me, both by diverting their attention elsewhere, and by the most common reaction. Only around five people actually picked up enough courage to even ask me if I needed a hug.

My initial approach was to do more with an ease than any other emotion. One student stared at me without saying a word, so with more an air of fear than anything else. But I ask again, what was I doing to provoke this fear other than simply bringing a private emotion to the middle of the lobby? This must struck me as odd. Was there a problem that needed to be kept locked away? And if so, why would simply hide people's reactions?

But I find something better to keep such potentially dangerous emotions hidden? Why would floor tutors who would help if needed? This is why Baker's open door policy was so appealing.

I knew from my experience at MIT that alcohol was readily available. It was reassuring to know that whatever decisions I made concerning my own consumption of alcohol, there would always be someone who could give help if needed. As I write this column, I miss the carefree life I saw during my prefrosh weekend and the river gathered in Baker to dance, mingle, and, temporarily raising the morale of an increasingly over-stressed and depressed campus. I saw during my visit to Baker House during my visit to MIT, living in a freshmen quad. During my stay I was exposed to MIT social life thanks to the open door policy. This struck me as odd. Was there a problem that needed to be kept locked away? And if so, why would simply hide people's reactions?

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Theater Review
Shear Madness
See it again, for the first time, for the fourth time
By Zarinmine Ansari

Stage II at the Charles Playhouse
Downstairs at 72 Warren Street
Tickets: $28-332, call 415-0195

Shear Madness is the longest running comedy and non-musical play in America, with 3,225 consecutive performances in Boston. This original comedy has been adapted all over the world, and has won all kinds of coveted theater awards. The play has been running for more than 18 years. We went to try and figure out why.

The theater is basically just a large room with a bar at one end, and a multi-level floor. Seating is on all sides, in stages 1 and 3 and add to the informal atmosphere, encouraging audience participation. We got there early, which usually give us time to flip through our copy of "The Provincen. This publication was full of facts and trivia about the play and the Charles Playhouse theater. For example, it was architect Benjamin Asher who built it in 1839 (that is pretty obvious considering the state of the restrooms and lack of ventilation). The building has had an interesting life and a diverse spectrum of uses. Born as a religious building, the Fifth Universalist Church, it was at different times Boston's first synagogue in 1864, a night club and jazz venue in the 1930s, a high school in the 1950s, and finally the Charles Playhouse since 1958. Famous people who have powered there include Fat Wailer in the Forties, and Al Pacino before he was Al Pacino. The play starts with the actors introducing themselves, the actors lip-synced to the music and set the scene in a salon on Newbury street, where all the action takes place. The set was set up with all the right equipment, it is doubtful any salon of the 1940s would have looked as gaudy as the one in the play. At this point, one of my friends decided that she was going to buy a long play, and escaped to the bar. It was not long before he returned to enjoy the rest of this rather enjoyable comic whodunit.

The scene opens with the unfortunate client, who, after the trade but not private assistant and is exasperated with the distracted salon owner. The client ends up running out of the salon before the bills are even tallied up. Baldface, when his friend had to come in for a haircut, it was almost slapstick and easy laughs that made him fume. Guaranteed to get laughs is Mark S. Carter's portrayal of the gay hair stylist in pink sneakers, not for his work, but for his breathtaking energetic performance. A fear that the comedy might be stale is justified. Or at least I think it was. But Carter's fine play does not disappoint, even though the role of gay hair stylist is a stereotype. Then again, this is not a complex drama but a comedy, and the hair stylist is a comic role, and he clicked to elicit laughter. Comparisons to Nathan Lane in The Birdcage are perhaps inevitable, even the Birdcage mediums of theater and film, but are inevitable because of the similarity of characters. The other stereotypical, yet well-played character was that of a wealthy Beacon Hill politician. After spending no interest in meeting any gay hair stylist in pink sneakers, not for his laugh isark S. Cartier's portrayal of the gay hair stylist in pink sneakers, not for his eloquence and wit, but for his laughter it is an amusing whodunit, and for the most part, this is not a complex drama but a comedy, and perhaps that is the reason for the popularity of the play.

Ankara offers a variety of salads, soups, quiches, lasagnas, tuna melts, pita roll-ups, and has won all kinds of coveted theater awards. The play has been running for more than 18 years. We went to try and figure out why.

By DuangJal Samranvedhya

Restaurant Review
Ankara Cafe
A renamed cafe with popular food
By Daangui Samranravnoot

Ankara is a little cafe that's not too far from the theater, and has won all kinds of coveted theater awards. The play has been running for more than 18 years. We went to try and figure out why.

Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to come. Ankara is that you should order at least forty-five minutes to an hour in advance of when you'd like to com
Do you want to watch movies, attend concerts, and eat at restaurants for free? Then review them for The Tech!
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**

- Eat, before and during. Try high-protein foods, such as cheese. Avoid salty snacks, which increase your desire for liquids.
- Avoid carbonated mixers or sodas. Carbonation increases the rate of absorption of alcohol into the bloodstream.
- Mix your own drinks, so you know what’s in them.
- Caffeine or cold showers don’t work. They make you more alert, but don’t affect how your body metabolizes alcohol. Once alcohol is in your system, the rate of metabolism is constant.
- Releasing control of intake can be risky—avoid drinking games, goals, demonstrations and attempts at intercollegiate record breaking.
- Alternate alcohol beverages with noncarbonated, non-alcohol beverages, such as juice.
- Stop drinking alcohol for part of the night: dance, chat with friends, go to the bathroom.
- If you want more, refill your glass yourself—when it’s empty, not when it’s half-full.
- Don’t mix alcohol with other drugs (Valium, aspirin, cocaine, etc.). Some combinations can be deadly.
- Avoid punches unless you’re clairvoyant and can predict how much alcohol is in the punch.
- Vomiting doesn’t work. Unless it occurs immediately after drinking, most of the alcohol will already be in your blood. Besides, it’s not that attractive or fun.

**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)
  - Personal Physicians
  - mental advice, counseling
  - Mental Health counseling, referral
  - Personal Assistance Program
  - Ron Fleming, Ph.D.
  - MIT Alcohol Support Group
  - Al-Anon and AA
  - campus support meetings
  - Health Education
  - info, speakers, programs

- Office of the Dean of Students and Undergraduate Education
  - Counseling and Support Services: 617/253-4861
  - (5-106) counseling and referral
  - Residence and Campus Activities: 617/253-6777
  - (W20-549) policy information, event registration

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

- Student-to-Student Nightline (7pm to 7am)
  - peer listening hotline: 617/253-8800

- MedLiNKS <web.mit.edu/medlinks/www>
  - referrals
  - UpFront: 617/253-1307
  - 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.
Outdoor Afternoon Concerts Provide Break For Students

By Neena S. Kadaba

This afternoon, bands and a comedian will perform on the Student Center steps as the closing event in an Afternoon of Music series that has been providing entertainment every Friday through the fall.

The event will feature two live bands, WhoSHeBe? and Not the Beatles, as well as a comedian from Nick's Comedy Stop in Boston who will go on at noon.

The Afternoon of Music series was planned to bring informal music and entertainment to the MIT community before the harsh winter sets in.

The series has been aimed at providing informal entertainment to these people and at having lunch and relaxing. The series of events were aimed at providing entertainment to these people and at encouraging others to come out of their labs and enjoy the sunshine,

WhoSHeBe? is a jazz quartet made up of students from MIT and the Berklee School of Music. Not the Beatles is a rock group that plays Beatles cover songs. The Council also invited student groups to set up information tables or perform during the event, providing an opportunity for various campus groups and activities to publicize their events.

On Oct. 2, the event consisted of a student disc jockey and juggler Peter Panic, a street artist who can also be seen at Harvard Square and Faneuil Hall. The MIT Dance Mix Coalition has been the DJ for the last two Fridays, playing music ranging from swing and jazz to techno, while the rest of the performers have been professional local artists.

The purpose of these activities is to have something happening on Fridays on the steps, said Program Coordinator Richard A. Grech in the Office of Residence Life and Student Life Programs. "We hope the activities bring students together in a relaxed environment."

The series was sponsored by the MIT Event Planning Association and the Campus Activities Complex Program Board.

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Tuesday, October 20, 1998
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Cambridge

OPEN TO THE PUBLIC

Sponsored by the Center for International Studies
Six SWAT team members entered Dillard House and arrested a University of Virginia student and her boyfriend early Thursday morning on charges of first-degree murder and robbery.

Police officials sought UVa senior Shiree Carr and her boyfriend, Charlottesville resident Dylan Tyree, in conjunction with the Sept. 22 shooting of Osama Hassan, an employee at the nearby Shell store.

"There were no complications" in the arrest, Albemarle County Police Chief John Miller said. "Both were taken without incident."

Officials allege that an unnamed 16-year-old boy, accompanied by Tyree and local resident Isaac Brown, entered the Shell station and shot Hassan eight times before looting the cash register.

Although Carr did not participate in the shooting, police officials said she had both prior and after-the-fact knowledge of the crime. The four face a maximum sentence of life in prison for first-degree murder.

Police officials said they made little progress in the case until Charlottesville police officials discovered the murder weapon, a .22 caliber semi-automatic pistol, during a search for stolen property in the Charlottesville area, Miller said.

Following last Thursday's arrest, University and County officials spoke with area residents to explain what had happened. University officials also offered psychological support to all of Carr's suitemates, who declined to comment on the events.

Carr spent Thursday night in the Albemarle-Charlottesville Regional Jail. Officials released her Friday morning after she posted a $35,000 secure bond. The other three suspects are still incarcerated.

"Carr did not return phone calls," Miller said. "A first-degree murder conviction is contingent on proof of premeditation."

"I feel very good about the strength of our evidence and this case as a whole," Miller said. "They had made a distinct decision to take Mr. Hassan's life. It was not an accident."

Miller, however, declined to comment on the chances of conviction.

Under first-degree murder charges, suspects found guilty can face life in prison.

First-degree murder charges can be upgraded to a capital offense in Virginia. The decision to pursue capital murder charges is left up to the Commonwealth Attorney.

"I don't think at this point that capital murder charges would be raised against" Carr, Commonwealth Attorney James L. Camblos III said. "She just wasn't there."

Camblos said the others would be reviewed "on a case-by-case basis."

Although the four suspects have been arrested, Carr said much remains before going to trial.

"I'm very pleased we've gotten the investigation together in three weeks," he said. "However, we still have plenty of interviews and such to do before we're done."

The suspects will appear at a preliminary hearing at the end of the month.

CSU student comes forward

Coming on the heels of an investigation into how a derogatory figure made it onto a float at Colorado State University's Homecoming parade, a man claimed responsibility and resigned from the Pi Kappa Alpha fraternity, said Brent Sebohob, the public information officer for the fraternity.

A member of the fraternity said he was responsible for erecting a scarecrow that contained derogatory messages about gays on a Homecoming float, Sebohob said.

"They are really upset with the group."

Although members of the sorority, whose members are currently on suspension, and the fraternity are "very close friends" and were "very close friends" and were "all local residents of the Charlottesville area," Carr said.

Following last Thursday's arrest, University and County officials spoke with area residents to explain what had happened.

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292 Ways to Get Hurt

WHY, EVERY TIME I GO THROUGH THIS DAMNED STUPID INFINITE CORRIDOR, THERE IS SOMEBODY WHO FEELS THE NEED TO WALK AT SMALL SPEEDS, THREE WIDE, BLOCKING THE WORDER OFF! AND THEY ALWAYS HAVE TO POP AND TALK TO THEIR FRIENDS AND BLAH, BLAH, BLAH... OW!

vroom.

Down with Science

HERE, LET ME GET THAT FOR YOU, SIR...

WHOA, WHAT IS THIS?

Uh, kid? Do you realize your parents are stuffed?

AAUGH! No!

They're resting! Grandpa would never lie.
SOMEBEILLE IN EIBONIA
I'VE BEEN SENT TO TEACH YOU COBOL.

WE DON'T HAVE ANY
COMPUTERS.
THAT'S OKAY. I
DON'T KNOW
COBOL.

...AND IF YOU HAD A
KEYBOARD, YOU WOULD
DO THIS.
OOPS...HOW
DO I DELETE?

DILBERT TEACHES COBOL
IN EIBONIA
...AND THAT'S HOW
YOU FIX YOUR "YEAR
2000" PROBLEM.

THIS CONCLUDES MY
FOUR-DAY CLASS. ARE
THERE ANY
QUESTIONS?
WHAT'S A YEAR?

AND IS COBOL A KIND
OF CABBAGE OR WHAT?
CLASS DISMISSED.

CATBERT THE H.R. DIRECTOR
ASOK, IT'S TIME
TO GROOM YOU FOR
MANAGEMENT.

I DON'T SEE TOO
MANY BUGS IN
YOUR FUR.
CAN YOU LICK
THE TOP OF YOUR
OWN HEAD?

NO, I CAN'T.
THEN YOU
CAN'T BE A
MANAGER.

IT IS! IT ISN'T!
IT IS! IT ISN'T!
IT IS! IT ISN'T!

WHAT ARE
YOU TALKING
ABOUT?

DADDY, I SAY
THE SWING CRANE
IS TOTALLY PASSE.
PETER SAYS IT'S
STILL GOT LEGS,
WHO'S RIGHT?

SWING IS WAY PASSE.
SEE PP.

IT ENDED WHEN? IN THE '40S?
DO ME A FAVOR, FOR THE
RECORD, I'M JUST KIDDING.
HE WANTED
WITH YOU.

HMM, MAYBE SPIDER-MAN
SWINGS FROM SPECIAL
SPIDER WEBS.
THERE'S NOT
A SUPER HERO
NAMED "PANCAKE
MAN" BY ANY
CHANCE, IS
THERE?

IT IS! IT ISN'T!
IT IS! IT ISN'T!
IT IS! IT ISN'T!

HEY, PAGE! CHECK
OUT THIS CARDBOARD
BOOMERANG I MADE!

OH!

I'VE GOT NEWS FOR
YOU - IT DIDN'T WORK.
SAYS
YOU.
TechCalendar
Visit and add events to TechCalendar online at http://tech-calendarl.mit.edu

Friday’s Events
5:00 p.m. - Undergraduate Association Committee on Public Relations Meeting. The UA Public Relations Committee publicizes UA-sponsored activities through various media, including posters, newspaper, and the web. Come get involved! Student Center, Room 401. Sponsor: Undergraduate Association.
6:30 p.m. - Family Weekend Concert. Concert Band, Brass Quintet, Brass Ensemble, Festival Jazz Ensemble. MIT Brass Quintet and MIT Brass Ensemble directed by Lawrence Isaacson; MIT Concert Band directed by John Corley; MIT Festival Jazz Ensemble, James O’Dell, director. Kresge Auditorium.
7:00 p.m. - Bible Study. Come join us for Bible Study as we praise, study the word of God, and fellowbship together. Student Center, Room 407. Sponsor: Asian Baptist Student Koinonia.
7:00 p.m. - Grease. The witty, energetic, and immensely popular musical about teenage life in the 50’s makes its 20th anniversary return - now with a remastered digital soundtrack. 1 hour 50 minutes. Admission $2.50. Room 26-100. Sponsor: LSC.
8:00 - 10:00 p.m. - Swing Lessons. Learn to swing dance! Get ready for the Fall Fling. Student Center, Lobdell Court. Sponsor: MIT Ballroom Dance Team.

Saturday’s Events
7:00 p.m. - Six Days Seven Nights. Anne Heche and Harrison Ford star in this romantic comedy. When their plane crashes on a desert island, they have to work together despite their mutual dislike for each other. 1 hour 41 minutes. Admission $2.50. Room 26-100. Sponsor: LSC.
7:30 - 10:30 p.m. - MIT A Cappella Fest. The MIT Logarithms perform at Parents’ Weekend. Come hear MIT’s only all-male a cappella group, now in its 50th year. Other groups: Muses, Toons, Chorallaries, Tech Jazz Singers, Cross Products. Room 10-250. Sponsor: MIT Logarithms.
8:00 p.m. - Pacifica String Quartet. Performing Haydn’s Quartet in F, Op. 77 No. 2; Ravel’s Quartet in F and Brahms’ Quartet in A Minor, Op. 11. Kresge Auditorium. 10:00 p.m. - Six Days Seven Nights. Anne Heche and Harrison Ford star in this romantic comedy. When their plane crashes on a desert island, they have to work together despite their mutual dislike for each other. 1 hour 41 minutes. Admission $2.50. Room 26-100. Sponsor: LSC.

Sunday’s Events
7:00 p.m. - Grease. The witty, energetic, and immensely popular musical about teenage life in the 50’s makes its 20th anniversary return - now with a remastered digital soundtrack. 1 hour 50 minutes. Admission $2.50. Room 26-100. Sponsor: LSC.
10:00 p.m. - Six Days Seven Nights. Anne Heche and Harrison Ford star in this romantic comedy. When their plane crashes on a desert island, they have to work together despite their mutual dislike for each other. 1 hour 41 minutes. Admission $2.50. Room 26-100. Sponsor: LSC.

Monday’s Events
6:00 - 8:00 p.m. - Cultural Symposium: South Asia Art and Independence. Various professionals, including Anita Desai and George Rockwell, will talk about the influence of the independence movement in South Asia on their field. Food will be served. Part of the Fall Festival. Room 10-250. Sponsor: CAC Program Board.
6:30 - 9:30 p.m. - Innovation Forum Series. Inaugural event in a series launched and sponsored by the Lemelson-MIT Awards Program. Speaker, TBA, will talk about top-of-their craft issues in invention and innovation. Entire MIT community welcome. Media Lab-Bartos Theatre. Sponsor: Lemelson-MIT Awards Program.
8:00 p.m. - El Callejon de los milagros. This story has been adapted to modern Mexico and narrates the daily life of a group of common people, with pain, humor and love. Winner of 11 Ariel awards. (Mexico, 1994) Part of the Fall Festival. Room 26-100. Sponsor: LSC.
8:00 p.m. - Undergraduate Association Council Meeting. Join representatives from throughout MIT’s living groups as they discuss issues of importance to the undergraduate community. Student Center, Room 400. Sponsor: Undergraduate Association.
8:00 - 10:00 p.m. - Swing Lessons. Learn to swing dance! Get ready for the Fall Fling! Part of the Fall Festival. Lobby 13. Sponsor: MIT Ballroom Dance Team.
Tuesday’s Events
6:00 - 8:00 p.m. - Cultural Symposium: American Landscape. Watch and discuss the film Skin Deep. This workshop will explore the racial landscape of the United States and explore many diversity related issues. Part of the Fall Festival. Religious Activities Center, Main Dining Room. Sponsor: CAC Program Board.
8:00 p.m. - Korczak. An account of the final days of legendary Polish pedagogue Janusz Korczak and his heroic dedication to protecting Jewish orphans during the World War. (Poland, 1990) Part of the Fall Festival. 1 hour 55 minutes. Room 26-100. Sponsor: LSC.
6:00 - 10:00 p.m. - Swing Lessons. Learn to swing dance! Get ready for the Fall Fling! Part of the Fall Festival. Eastman/Cooper Dining. Sponsor: MIT Ballroom Dance Team.

United Technologies’ breakfast presentation on Wednesday, October 21, 7:30 a.m., Faculty Club.

GO to www.utc.hrpostings.com/sloan for specific information for Sloan MBAs.

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Johnson Athletic Center

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The following incidents were reported to the Campus Police between September 15 and October 6. Information is compiled from the Campus Police’s weekly crime summary and from dispatcher logs. This report does not include alarms, general service calls, or incidents not reported to the dispatcher.

Sept. 23: Walker, broken window; Senior House, anti-gay hate incident; West Garage, '93 Chevy Cavalier broken into, nothing taken; Kendall Square coop, credit card stolen.

Sept. 24: Bidg. 14, vending machine broken into, food stolen; Bidg. 2, suspicious activity in men’s and women’s restrooms; Bidg. 14, suspicious person; Bidg. E20, suspicious individuals.

Sept. 25: East Campus, suspicious activity; Bidg. NW22, printer stolen $2,000; Bidg. 44, cell phone stolen, unknown value; Bidg. E53, 1 wallet stolen $60 cash plus credit cards; 2 calculator stolen $125; Bidg. 6, bag lunches stolen $200; Main Lot, vehicle towed for illegal parking sticker; Bidg. 56, 8 wooden chairs stolen, unknown value; Bidg. 13 report of suspicious person at vehicle, same found to be replacing a fuse; Tau Epsilon Phi, noise complaint; Bidg. E33, report of a disturbance, same checked out okay.

Sept. 26: Theta Delta Chi, noise complaint; Category 1 alcohol citation issued; Random, bicycle secured to itself with a “J” lock stolen $40; Assit Cambridge Police, Main Street and Vance Street, vehicle operating erratically; Women’s Independent Living Group, suspicious person, trespass warning issued; McCormick, report of a male exposing himself; Edmund Kerfl of 146 Cochran St., Middlesex identified and arrested for indecent exposure and assault and battery on two officers; Green Hall, noise complaint, individuals left area; MacGregor, report of suspicious person, same waiting for ride from father; Massachusetts Avenue at Sydney Street, students bothered while sitting on bench by a male who was belligerent.

Sept. 27: Student Center, female reports being assaulted while attending a dance; Alpha Tau Omega, noise complaint; New House, noise complaint, large group trying to enter dormitory; Sloan Lot, out of state license plate stolen; Herman Garage, suspicious person, McCormick and Next House, reports of hazing; Bidg. 9, bicycle secured with chain stolen, $35.

Sept. 28: Assit Boston Police with the recovery of possibly stolen computer equipment; Bidg. E40, scratch tickets and cash stolen, $90; Student Center, past larceny of a cell phone, $300; Bidg. 6, male arrested for trespassing, Ashdown House, noise complaint.

Sept. 29: Yang Hall, report of suspicious person, Lawrence Buckley arrested for breaking and entering in the nighttime; Albany Garage, individual observed breaking parking gate, fine of $300; Student Center, past larceny of a cell phone, $300; Bidg. 6, male arrested for trespassing, Ashdown House, noise complaint.

Oct. 1: Memorial Drive, motor vehicle accident with bicycle, no injuries; Bidg. E38, larceny of wallet and contents, $190; Bidg. 68, Fire Alarm, faulty equipment; West Lot, breaking and entering to motor vehicle and larceny, $800; Albany Garage, property damage, motor vehicle struck by parking gate; Massachusetts Avenue by Neco, indecent assault; Baker House, fire alarm, heating system causing odor.

Oct. 2: East Campus, student problem; Bidg. 9, larceny of case of drink mix, $71.

Oct. 3: New House, student problem, alcohol citation issued; Baker House, party problem, unauthorized party shut down; East Campus, report of fire, resident allegedly sets carpet ablaze; Bidg. 15, malicious destruction, broken window; Muddy Charles Pub, noise complaint, private party asked to quiet down, no further problems.

Oct. 4: Baker House, missing person, parent looking for missing Boston University student; East Campus, Threatening e-mail; Bidg. E51, larceny of pocket watch, $100; du Pont, Larceny of golf cart, later recovered by Cambridge Police.

Oct. 5: Audrey Street, stolen motor vehicle; Westgate Lot, property damage, motor vehicle struck by parking gate; Keage Auditorium, larceny of mellophone; Bidg. 6, larceny of tools, $250; Bidg. NW14, John Corcorhan of 56 Rockingham Street, Malden arrested on an outstanding warrant; Student Center, bike parts stolen.

Oct. 6: Bidg. 1, suspicious activity; Bidg. 1 bike rack, 2 arrest, outstanding warrant; 2 larceny of bicycle, $100; Bidg. 16, larceny of purse and contents, $60.

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Laughlin Develops Theoretical Picture

Nobel, from Page 1

The Hall effect was discovered in the 19th century by Edwin H. Hall. It deals with the deflection of an electric current by a perpendicular magnetic field.

In 1980, Klaus von Klitzing discovered the integer quantum Hall effect, in which normal Ohmic resistance disappears, and coherent quantum-mechanical effects cause the resistance to be quantized in integer multiples of a fundamental unit of resistance as the magnetic field is varied. In essence, the resistance of the deflected current increased in a quantum, not a continuous, manner. Von Klitzing won the Nobel Prize for this work in 1985.

In 1982, Störmer and Tsui, working with extremely pure semiconductor samples, discovered additional fractional quantized resistance values. These fractional values always had odd denominators.

This discovery came as a great surprise. It was known from the outset that the fractional quantum Hall effect could not be explained without dealing with inter-electron interactions in the sample. Initially, a theoretical explanation was not forthcoming.

In 1983, Laughlin developed a theoretical picture of the phenomenon, even writing down an explicit multi-particle wave function. His theory predicted that the fractional quantum Hall effect was caused by the capture of an odd-number of fundamental units of magnetic flux by each electron, as opposed to a single unit of flux in the integer quantum Hall effect.

The correlation of odd numbers of magnetic flux quanta with electrons created combined pseudo-particles that obeyed Bose-Einstein statistics, as opposed to the Fermi-Dirac statistics obeyed by normal electrons. Bose-Einstein particles exhibit condensation properties that result in many important states of matter, including superfluid helium, superconductivity, and the quantum Hall fluid. Laughlin's theory predicted a new form of quantum-mechanical fluid. He also predicted that the elementary excitations of the fluid involve pseudo-particle charge carriers with charges that are fractions of the electronic charge.

Last year, other researchers observed these fractional charge carriers directly, providing the first experimental evidence of mobile charges smaller than the charge of the electron.

Hall effect still focus of research

The fractional quantum Hall effect remains a major topic of research in low-temperature condensed matter physics. The existence of fractionally charged pseudo-particles makes it an important theoretical topic as well.

Also of theoretical interest is what occurs when an even number of flux quanta is associated with each electron. This configuration preserves the Fermi-Dirac statistics, but the electronic fluid has many interesting properties in this state. Also, the correlation of non-integer numbers of quanta with normal particles could lead to the existence of particles obeying different statistics than those previously observed, which have been the subject of theoretical interest over the last fifteen years.
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To find out more about the exciting career opportunities at Ford Motor Company, attend our information session at the Cambridge Marriott from 7:00 p.m. to 9:00 p.m. on October 19 and check out the Ford (www.ford.com/careercenter/) and Visteon (www.visteon.com/careers/html/top.html) career centers on the web.

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Chris Ickler
BS PHYSICS – MIT

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Short Takes, from Page 10

According to Duffy, the "investigation remains our police department's top priority.

The Middlesex County District Attorney's Office and the Civil Rights Division of the State Attorney General's Office have been requested to assist campus technology specialists and BC detectives in the search.

At this time, it has been confirmed that the messages were sent from a specific workstation in the Student Learning and Support Center at 11:38 p.m. on Sept. 30.

It appears that another student's name was fraudulently entered when the e-mail was sent.

At the town meeting held on Oct. 1, student leaders from both the AHCNA Leadership Council (ALC) and UGBC presented the administration with a list of demands. Duffy addressed many of these issues.

According to Duffy, there is counseling available to all students who are victims of discrimination, and has been offered to all those who received the e-mail message last week.

Duffy also cited other organizations that provide resources, such as the University Harassment Ombudsman, UGBC, the Discriminatory Harassment Network and the Office of the Dean for Student Development.

Duffy also stated that the Campus Police Department has added additional patrols to ensure the physical safety of community members.

Responding to other demands, Duffy said the University "has promulgated and strictly enforces anti-discrimination policies that protect the rights of all gay, lesbian, and bisexual members of the community.

He said support systems are run through the Office of the Dean for Student Development.

Diversity training, an issue raised at the meeting, "is an important part of orientation for faculty," Duffy said. "Expanded student input into this programming would be welcomed."

The Freshman Orientation Program includes three segments on hate crimes and racial issues. According to Duffy, diversity is also an important part of the curriculum in the Freshman Cornerstone Courses.

Duffy cited University President William P. Leahy's desire for diversity and racial relations to be among his top priorities for the academic year, with the ultimate goal of making BC a more welcoming community.

Duffy stressed the need to not allow this "cowardly attack on each and every member of the community" to "create division amongst us" and stop us from our goal of building a community in which every member is respected and treated justly." Duffy said, "in this we will not fail."

Also this past week, the Anti-Defamation League released a statement in response to the Oct. 1 incident.

"The Anti-Defamation League wants to commend Boston College for their prompt response to this situation," the statement read.

(\The Heights, Oct. 14, 1998)\n
BC Official Vows to Punish Hate Crimes

Q: What do Michael Jordan, Harrison Ford, and Cindy Crawford have in common?

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Tickets will be handed out in the main lobby of Building E15 at 1:00pm on October 24
Proposed Curricular Changes
May Focus on Teamwork Skills

Curriculum, from Page 1

responsibility of making recommen-
dations about curricular changes to
the full faculty must approve all
changes.

Ideas may not be implemented
Many ideas have come to the fore
in meetings of the new subcommit-
tee. However, with a final deadline
three years into the future, few propo-
sitions have been set in stone as of yet.

"There is a lot of details to work
out in coming months," Hodges said.

The main objective of the fresh-
man "curricular evolution," is to
determine if the current General
Institutional Requirements are the best
to way to educate students, Hodges said.
He feels that the core classes
need to include a higher proportion
of teamwork because "students
learn by doing."

In addition, Hodges said that
freshmen should be involved more
in research, which might require an
extension of the Undergraduate
Research Opportunities Program, or
"even a completely different way of
doing research."

Yet another suggestion to
improve the freshman curriculum is
through the use of electronic tech-
ology instead of the blackboard,
Hodges said, essentially eliminating
the lecture style of teaching.

However, the prospect of restruc-
turing the freshman curriculum remains
a "complicated process," Hodges said.
We are trying to get input from as many students as possible.
We don't want any closed doors.

Hodges said. "Freshmen are making
decisions without knowing what
they're getting into."

Another concern about the pres-
ent freshman year program is that
students do not make informed deci-
sions about choosing a major,
Hodges said. "Freshmen are making
decisions without knowing what
they're getting into."

One prime example is Physics I
(8.01), Hodges said. The introducto-
ry physics class, which a majority of
freshmen take first semester, covers
only the basics of mechanics.

Consequently, freshmen may not get
a good idea of the field of physics and how exactly practicing
physicists work by the time they
choose their majors.

Freshmen have mixed reactions
However, despite efforts being
made to change the freshman cur-
rriculum, many students seem satis-
fied with their first-year experience.

"It's a good year to get adjusted
on pass/fail," said Dhruv Puri '02.

"There's no stress whatsoever." "It's a
good year to get adjusted on pass/fail," said Dhruv Puri '02.

"I like the way the whole thing
comes together with lectures, recita-
tions, office hours, and other tutorial
help," Puri said. "It's much easier to
find help here than it was in high
school."

Program will have wide scope
The history of education at MIT
has been "tinkered with attempts to
change the freshman year program,
with such groups as Concourse, [Experimental Study Group], and
[Integrated Studies Program],"
Hodges said, "but these groups can
only serve a small number of fresh-
men. We want a program that can
serve the rest of the freshmen."

However, Hodges admits that
the design committee has many
ideas but has not taken much action.

"We are long on "we hope to" and
short on things we've actually
done."

We're in a world where what
you learn now is in part obsolete
within ten years," Hodges said. "There is no way for the curriculum
to adapt quickly enough because
things just change too fast. Since we
can't teach students everything, we
need to teach them how to learn for
the rest of their life, and this is the
core of education."

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THE TECH  Page 25
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October 16, 1998
Fall Sports Review

Swedish '01
New Prospects: Christina Almlof '02, Barb Schulte '02, Patricia Habibi '02, Amy Muk '02, Beth Dowell '02 and Milena Yamakina '02
Performance: The women's volleyball team started off this season strongly beating rival Springfield College for the first time since 1989. They are currently ranked fourth in New England and have a record of 6-6 in conference and 18-6 overall. The team looks to continue to build on last season's success of going to the Division III NCAA National Championship Tournament.

Coach's Comments: It never ceases to amaze me how this team can consistently come together and put up teams that are much taller than we are. Our defensive play is amazing. We just seem to wear teams down.

Water Polo
Head Coaches: Jeff Ma and Ed Viallere
Assistant Coach: Brett Craden
Key returnees: Captain Ryan Adams '00, Matt Hausmann '01 and Stefan Bewley '01
Outlook: The water polo team is 4-11 so far this year, including an away win against Harvard. The season looks to be a rebuilding year as they have lost 5 players from last season. The team is looking to win Division III Easterns again and to knock off Division I schools like UMass and Harvard.

Coach's Comments: We are a very young team and will need to play smart to win. The season has been difficult so far as we have dealt with much adversity. But that will only make us stronger in the future.

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Over the past week, the field hockey team compiled a 3-0 record and improved their overall record to 8-4-1 in conference games.

Last Thursday the Engineers traveled to UMass Dartmouth and came away with a 3-0 victory. MIT came away with a key 3-0 win by scoring three goals at the beginning of the game and dominating play throughout the game. The team continued this win against a strong Marwood Bravard '99, Amy Lin '02, Sarah Mohamed '02, Michele Verticchio '02 and Rebekah Walba '02.

Fall Sports Review

With the fall sports season half over, the coaches of the team took a look back at their performance and looked forward to the remainder of the year.

Women's Cross Country:
Coach: Halton W. Taylor and Debbie Pace
Key returnees: Debbie Won '00, Robie, while the Mohawks battled out in the soggy conditions. The Engineers scored first when Marwood Bravard '02 combined on a play from the right side of the goal to beat the Smith goalie, and scored two goals in the first half. After a time out, Smith came back to tie it with a goal on a corner kick. With five minutes to go in the half, Tracy Sadowski scored unassisted after a long pass away, taking it into the right corner. Connie Sadowski added a third goal by breaking in a cross pass from Stout, the team leader in assists. Just when the game seemed destined to be ready, an unassisted goal scored two goals in the last four minutes of the game to tie the score and send the game into overtime.

The Engineers came out fired up for the overtime period. MIT had the ball and passed and proceeded to march up the field through the Mohawks scoring another goal at the 2:42 into the period. After several shots and saves, Connie Sadowski fired a cross pass to the corner where wide open left wing Williams knocked in her seventh goal of the season. The team continued it's winning ways Tuesday night, defeating Wheaton College 3-1 at home. Line scored two early goals assisted by Stout. The game remained 2-0 until about half way through the second half when Wheaton converted on a penalty corner during one of the rare times they made it down to MIT's circle. Tracy Sadowski's goalie secured the victory with just over a minute left to play in the game.

Goalie Jee Bang '01 had four saves on five shots and MIT out shot Wheaton 26-5.

MIT hosts Mt Holyoke College this Saturday.

Fall Sports Review

Compiled By Robin Evans

With the fall sports season half over, the coaches of the teams took a look back at their performance this far and looked forward to the remainder of the year.

Men's Cross Country:
Coach: Halton W. Taylor and Debbie Pace
Key returnees: Captain Mike Parkers, Tracey McGuire '00 and Mark Strauss '01
New prospects: Dan Feldman '02

Performance: The men's cross country team is currently undefeated with victories over three nationally ranked teams and looks to be one of the four teams that qualify for nationals out of the region.

Coach's comments: If we continue to train and race intelligently and work hard, we should achieve our goals. However, it is a long season and we want to take each meet one at a time.

Field Hockey:
Head Coach: Cheryl Silva
Assistant Coach: Sherry Sebasta
Key returnees: Co-Captains Connie Sadowski '99 and Tracey Stout '99
Key prospects: Kelly Blackburn '02, Maegrey Bravard '02, Maria-Louisa Iamini '02, Jeanyoung Kim '02, Amy Lin '02, Sabin Mohamed '02, Michele Verticchio '02 and Rebekah Walba '02.

Field hockey is currently ranked within the top five of 18 teams in the New England East Regional NCAA Poll.

The women's volleyball team continued their successful season with a third place finish at the Eastern Connecticut State University Invitational this past weekend. They followed this up with a solid conference win against Springfield College this past Tuesday.

The Engineers opened up the weekend against a very strong Middlebury squad. After losing the first game 9-15, the Engineers seemed to have the match in hand winning the next two games 10-15, 15-8. However, Middlebury caught fire and took MIT by surprise, winning the final two games to take the match 9-15, 15-10, 15-8, 11-15. Bettys Sailhamer '01 led the team with 10 kills while Barb Schulte '02 led the defense with 15 digs.

The next match put MIT against Wesleyan College. After losing the first game, the Engineers found their old form and rallied through the next three games to win the match 10-15, 12-15, 15-9. Michelle Fox '99 had 13 kills in the effort while Atlee Huang '00 distributed 35 assists and had 14 digs.

MIT next faced rival Wheaton College for the third time in two weeks. The result was the same as the last two match-ups with MIT victorious. After having control of the match and winning the first two games, Wheaton found new life and won the third game. The Engineers responded and won the fourth game 16-14 in a hard fought battle to take the match. It was Fox again who led the team in kills with 14, while Jennifer Elizondo '99 added 3 and 16 digs.

The loss to Middlebury earlier in the tournament put Tech in second place in their pool. They next faced the Coast Guard Academy for third place in the tournament. The Engineers wanted little time in disposing of them winning the match easily 15-8, 15-10 to secure third place in the tournament.

This strong performance tournament was again one in part to the fine defensive play of the Engineers. Also, the depth of the bench was key in keeping players fresh during the long two day tournament. At the end of the tournament, Fox was rewarded for her outstanding play being named to the All-Tournament team.

The Engineers continued their fine form on Tuesday as the travel to conference rival Springfield College. Again MIT started slowly and lost the first game 8-15, despite their improved playing as the Engineers went on. In the next three games, MIT was able to find their stride. The Engineer's team defense again confounded the opposition as MIT had 74 team digs and 16 team blocks. It was again Sailhamer and Fox who led the way with 19 and 16 kills respectively giving MIT the victory 9-15, 15-7, 15-9, 15-6.

This win over Springfield brings the women's volleyball team to a 6-0 conference record and a 18-1 overall record. They are also currently ranked fourth out of 60 teams in New England East Regional NCAA Poll.

Krettie Tate '03 struggles to gain possession of the ball. The Lady Engineers were among the top five teams in the New England East Regional NCAA Poll.