McHugh Guilty, Sentenced to 20 Years
Teen Convicted of Murder, Robbery in Raustein Murder Case

By Sarah Y. Kelghley

McHugh, then 15. Donovan, then 17, Velez, then 18, and McHugh, then 15, Donovan, apparently without provocation, allegedly punched Raustein, knocking him to the ground. Donovan then robbed Raustein while Velez robbed Fredheim. When Raustein started to get up, McHugh allegedly stabbed him between the seventh and eighth ribs.

During McHugh's trial, Middle-
Spending Bills Altered to Pave Way For Cuts In Federal Work Force

By John M. Broder

President Clinton Thursday cut $4.3 billion from immense spending bills to pave the way for substantial reductions in the size of the federal work force.

In a speech at the Library of Congress, the president attributed the cuts to the president's Congress, administrations, the people of America, and the Congress of the United States.

In his first public explanation of why American workers were in that lawless land when and why they would be getting out, Clinton said he had rejected calls from Congress and elsewhere for a "fast" troop withdrawal from Somalia because he believed that both Somalis and Americans had a "crude" job to do.

"We face a choice," the president said. "We leave when the job gets tough or when the job is done. We are not in the business of exonerating or renouncing the matter. We are trying to do what's right." Clinton said that the United States would try to complete a humanitarian effort begun 10 months ago. "We started this effort with a moral obligation to the world and we're going to finish it in the right way," he said.

He also said he would not withdraw now with American soldiers in Somalia handle or link us.

The administration hopes to eliminate 100,000 of the 250,000 targeted positions by fiscal 1999.

FD A Takes Action to Cut Number of Birth Defects

By Keith B. Richburg

At two more American soldiers died from figs, the 20th senior U.S. and U.N. officials in Mogadishu. One died Sunday morning, and the other died Thursday in a mortar attack against the Rangers' encampment at Mogadishu's airport Wednesday. The officials said Thursday, and 12 other U.S. soldiers were wounded, four of whom seriously enough to require evacuation to Germany. Two mortar rounds were fired from the airport from a bit outside a mile, officials said.

Meanwhile, an American soldier wounded in Sunday's force battle between Aidid and the Somali government died Thursday at a hospital in Germany, raising the American death toll to at least 13. Five other soldiers were wounded, and one soldier was being held prisoner.

The site and time of the latest U.S. and U.N. casualties were not yet known. The size of Aidid's force, the depth of his support among the civilian population and the city's infrastructure, and the number of weapons in the arsenal are.

"It has not yet been confirmed that the civilians may have been low," retired U.S. Army Maj. Jonathan T. Howe, the chief U.N. spokesman in Mogadishu, said in a telephone interview Thursday. "I think I have been hearing about more people. He certainly has brought more guards and heavy weapons and make one's way into Mogadishu Sunday night, and one of the U.S. soldiers was killed in a mortar attack near the Mogadishu airport.

A grenade attack on U.S. personnel south of Mogadishu has become the most deadly attack on American troops in the past few months, but Thursday's incident was the first to result in Casualties.

A U.N. civilian spokesman in Mogadishu said that non-emergency U.S. staff were being flown out of Mogadishu to Nairobi in neighboring Kenya earlier did not know how many people were being evac-uated.

Clinton said he was ordering the 1,700 combat troops to reinforce the Operation Licorice force that is now on the ground in Somalia. But he also ordered an aircraft carrier to take up position in the Indian Ocean to guard against any increased air cover for military operations.

Clinton said it made clear that even as we prepare to withdraw from Somalia, we need to maintain a strong commitment to the people of that country.

"We need more armor, more air- craft and more training of our people are safe and that we can do our job," he stressed that they would all be under U.S. — not U.N. — command.

U. N. Officials Misjudged Size of Aidid Militia, Armaments

By Michael B. Rosen

The U.N. and U.S. officials also said they have been surprised by Aidid's ability and willingness to commit large numbers of troops to the battle and by the tenacity of his guerrillas, who have been able to hold out even when facing the technological superiority of the U.S. forces.

A U.S. African American AC-130 Spectre gunships first demolished Aidid's command headquarters in Mogadishu and sent the warring underground to a freedom, and then an initial attempt to eliminate the possibility that Aidid's support was minimal. Those U.S. gunships were also supposed to have destroyed all of Aidid's weapons depots in the city, stripping him of his heavy weapons.

Official spokesmen said that Aidid had been beheaded by a group of Somali people. They said that Aidid had been using more armor, more aircraft and more ammunition to hit back at the armor, more air- craft and more training of our people are safe and that we can do our job," he stressed that they would all be under U.S. — not U.N. — command.

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President Boris Yeltsin suspended Russia's Constitutional Court, saying it had pushed the country toward civil war and his campaign to win more direct control of the region's parliaments was now under way. At least as key regional councils began demanding that they be dissolved.

Yeltsin’s decree said that the central government was going to push for his political, which was especially dangerous for the state.

Interior Minister Viktor Yerins said that the measures were taken in response to the rebellion, which he said was led by one of the country's largest intellectual and political groups.

Yeltsin said that he had ordered his prime minister to help the central government in its fight against the rebellion.

Thursday was observed as the official day of mourning for victims of the uprising — the death toll was raised to a provisional 193 — and soldiers and police vowed to continue their fight against the rebels.

The Constitutional Court, chafed until Wednesday by Valery Zorkin, a leading member of the opposition, had been suspended Wednesday night that the regional authorities had not been allowed to hold the election.

Observers speculated that Zorkin’s semi-secret meeting might be an attempt to win support for the government’s decree to dissolve the Constitutional Court.

The government’s decree to dissolve the court does not affect the election of the majority of the 193 members of the new assembly — and the opposition demanded a complete housecleaning. But the opposition did not want to comply with Yeltsin’s decree.

The Constitutional Court did not have the power to enforce its decisions but it attempted to do so.

The tension continued to increase confusion within the government’s supporting base.

By William J. Eaton

SHOWDOWN OVER FUTURE OF HONG KONG

A showdown between the island’s pro-democracy leaders and the British government over the future of Hong Kong was under way.

The pro-democracy leaders, including Roy Tam, the former opposition leader, and the pro-China grouping, were locked in a battle over the future of the special administrative region.

The election is 14 months away and the government said that it would choose a new leader for Hong Kong in June 1996. The election was won by the pro-China grouping.

The election was a major victory for the pro-China grouping and a major setback for the pro-democracy leaders.

The election was seen as a test of the will of the pro-China grouping and the pro-democracy leaders.

But after a protracted review process, associate dean Carol Scott said, the faculty decided the value of Milken’s experience outweighed any potential controversy. When the course was first held, it quickly became the toughest ticket on campus.

The faculty at the John E. Hay Program at Brown University, a second-year student, was a model of any sort,” said Scott, who also is a faculty chairwoman. “What Milken did in the whole junk bond period has really changed the face of corporate America, and I don’t think there’s any more dramatic way of learn-
Letters To The Editor

Dear Editor,

I am writing this letter in response to two articles that appeared on the front page of the Oct. 6 Tech Talk. In a remarkably insipid example of page layout, "Two Schools: Facilities to Get Laptops," was paired adjacent to "1993 Deficit Tops Projection."

In a time of tight moments, in which MIT is running a deficit and people with long years of service are being laid off, it can be possible, and possibly justified giving laptops to faculty to members who are in all likelihood paid in excess of $30,000 a year? If those people teetering on the edge need for a computer to facilitate their work, they certainly have the resources with which to purchase one. If they feel so much, why waste MIT funds on a useless gift?

After talking with a number of people, I've compiled a short list of arguments for the computers. None are particularly convincing to me. In the interest of space I'll keep my objections brief.

Faculty members' time is very expensive, so anything MIT can give them to enhance their productivity is a potential money-saver.

Why don't we apply this standard to all members of the MIT community? For example, a particular person makes three times as much as I do (not a bad estimate) and his or her productivity will double with a computer, but my productivity will be enhanced by a factor of seven if I'm given a computer. So isn't it in MIT's interest to give me one?

2. These faculty members have the "unique" need to use a computer in libraries and at conferences. I can get much more work done at home or in the library than I can in my overcrowded, petty, dirty, windowless office with a raccoon sticking about in the drop-down ceiling (Tech Talk). Yet, I'm not paid enough to buy an adequate laptop. Should MIT buy me a computer, given my "unique" need to work away from my office? Are my needs different than the faculty member who wants to take notes in the library or at a conference?

Science/engineering/business faculty bring in research funds, and can afford to buy their own computers. Humanities faculty generally don't have this ability, so why not give them computers?

This means that not only do the first three groups pay the bulk of monies received under the "overhead" fee structure, but they must also pay for their own computers (or their own pockets, in many cases). This is perhaps why the objections are so few and so weak.

As for the arguments about electronic newspapers, I ask those who can offer these few key strokes on them. These people are just as capable of going to an Athena screen as any faculty member.

In short, I feel that this whole idea is ill-conceived. To lower tuition, to reduce the budget deficit, to save a few thousand - all of these is better uses for the thousands of dollars spent on this "idea."

I hope the objections will be considered. For this reason, I oppose the waste of MIT funds on a useless gift.

Dale R. Worley

Opinion Policy

Editorials, printed in a distinctive format, are the official opinion of The Tech. They are written by the editorial board, which consists of the managing editor, editor in chief, managing editor, executive editor, news editor, and opinion editors.

Editorials, marked with a "typemark" in a distinctive format, are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

Letters to the editor, marked with a "typemark" by individuals and not representative of the opinion of the author, not necessarily that of the news editor.

Letters to the editor are welcome. They must be typed, double-spaced and addressed to The Tech, P.O. Box 29, MIT Branch, Cambridge, Mass. 02139, 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 p.m. two days before the date of publication.

Please include 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 student. The Tech reserves the right to edit or condense letters; shorter letters will be given higher priority. Once printed, all letters become property of The Tech, and will not be returned. We regret we cannot publish all letters we receive.

To Reach Us

Electronic mail is the easiest way to reach any member of our staff. Mail to specific departmental managers may be sent to the following addresses on the Internet: ads@tech.mit.edu, news@tech.mit.edu, sports@tech.mit.edu, arts@tech.mit.edu, photo@tech.mit.edu, circ@tech.mit.edu (circulation department). For other matters, send mail to general@tech.mit.edu, and it will be directed to the appropriate person.

Clarification of Electronic Newspapers

I appreciate the thoroughness of the article you ran about our project/experiment discussing personal newspapers via electronic mail. [Tech Student Development Group, "Electronic Newspapers," Oct. 5]. As a result of your article, I have received inquiries on how to use our service. I would like to offer some clarifications:

Although the project is called the Freshman Newsweek, it is open to all members of the Athens.

To access the system on a Athens X workstation, you need to type "add sip" and then you can run the xmosaic program via type xmosaic and log in as the "Freshman Fishhook" towards the end of SIPB's main Xmosaic page near the Tech listing.

We will be offering some news service features that are not offered anywhere else on line at Athens while we are constructing the server and the service. We hope readers will find them informative and interesting.

We will not be collecting any information from individuals unless they have explicitly consented to part of this experiment.

At present we are experiencing some technical difficulties. This means that portions of the system are coming online later than we expected. Status of the system message will be visible to all users of our Athena system.

If anyone has problems with the system they can send mail to fishhook@tech.mit.edu directly to me, at lacsap@media.mit.edu.

Pascal Cremers

Opinion Policy

Letters to the Editor

Dear Editor,

R/O Ite of Passage Should Not Be Changed

Again, this year brings forth calls to change the current residence selection process. I wish to argue that the present system is very well, but this is not clear until you examine what the real purpose of Residence and Orientation Week is.

R/O Week is a "rite of passage." It marks the transition in the new student's life from one status to another. And like many other rites of passage, it contains, in miniature, performances of the essential acts of his new status. These miniature acts are both symbolic of the person's new status, and a first lesson of how to perform in his new status, clear in symbolic areas where the adverse consequences of real failure are eliminated.

The control feature of residence selection is that the student is required to select his new living situation very, in the face of a flood of information that is nevertheless inadequate for accurate judgment, under intense pressure, with the assistance of dubious advice from many sources. The choice of residence is treated as very important, but really isn't nearly as important as its made out to be.

The essential skills for surviving R/O Week are careful allocation of time and effort, filtering the essential information from a mountain of noise, comparing sources of advice, and making adequate choices in the face of uncertainty. In short, it is a microcosm of what the student will have to do for his entire MIT career, and most likely, long beyond it.

R/O Week is a rite of passage for entering MIT students. It provides a valuable introduction to what MIT is like. For this reason, I oppose changing the current residence selection process.

Dale R. Worley

Laptops for Faculty is Egregious Waste

The Tech received a copy of this letter addressed to Professors Mark S. Wrighton. I am writing this letter in response to two articles that appeared on the front page of the Oct. 6 Tech Talk. In a remarkably insipid example of page layout, "Two Schools: Facilities to Get Laptops," was paired adjacent to "1993 Deficit Tops Projection."

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The Tech received a copy of this letter addressed to Pro

Column by Daniel Stevenson

When the divergent worlds of commerce and science met, the outcome can be a stunning success or a miserable sham. Examples of the former include the Media Laboratory, where the corporate world provides funding for a state-of-the-art research lab, and industrial laboratories like the Xerox Palo Alto Research Center or AT&T Bell Laboratories. But sometimes the corporate environment's molding proves to be disastrous and counterproductive to the advancement of science, as in the much publicized Biosphere II project. In this period of rethinking the role of science in society, we must take care to ensure the survival of the scientific process amid commercially driven politics.

The Biosphere II project involved the creation of a self-sustaining environment for eight humans in a self-contained large scale ecosystem. Even if the experiment had failed it still would have provided valuable data. The project's noble image began to sour when allegations arose over tampering with the ecosystem. Project managers initially refused to comment, and later admitted to smuggling in supplies and oxygen. One human subject had to receive medical treatment outside of the project. With controversy growing about the program's scientific validity, the panel of scientists monitoring the program resigned as a group last January.

After the project was re-routed for corporate gains, with sales of T-shirts and guided tours, it became increasingly obvious that the scientific process was being re-routed for corporate gains. The ecological and environmental goals of the project, potentially invaluable to the scientific enterprise, were pushed to the back burner as corporate interventions took precedent.

Now that the experiment is officially over, corporate America has always been ready to fund scientific development, but special care should be taken to avoid fiascoes like Biosphere II. To promote the healthy interaction of the realms of business and science, the media should provide impartial scientific process.

Commercial Intervention Imperils Scientific Process

Oct 8, 1993

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Brown Bag Lunch
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Building E51/Room 329
Key players from: Asia, Real Estate,
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and Technology
will be present.
*** Excellent
*** Good
** Average
* Poor

*** The Age of Innocence
The film version of Edward孽ithdraw's novel homes in on one of the conflicts felt by Newland Archer (Daniel Day-Lewis), who must balance the rigid social code of 1870s New York and his passion for Ellen Olenska (Michelle Pfeiffer), his fianc馥's independent and intellectual sister. Despite the Victorian setting, this is obviously the work of director Martin Scorsese, who specializes in movies about people's struggles to make decisions. Directing is meticulous and the sense of authenticity is impressive. The chemistry between Day-Lewis and Pfeiffer is a room-dancing marvel, but the camera focuses on the internal struggles of the two and thankfully avoids the torrid sex scene typical of Hollywood movies.

-Craig K. Chang, Loews Nickleodeon

*** Cool Running
Based on the true story of 1988 Jamaican Bobbied Team, the film is actually quite enjoyable despite its tweenes. Starring Leon (remember Madam's "Like a Prayer" video?), Doug E. Doug, and John Candy, the film follows four Jamaican athletes and their coach on an adventure from a sunny island to the Calgary Winter Olympics. The underlying story has its own unique scenario, and it manages to pass as a sweet mixture of comedy and heart.

--CKC. Loews Coplay

*** Jurassic Park
Michael Crichton's dinosaur epic translates well to the big screen (not surprising given that the book read like a screenplay), and Steven Spielberg does a good job in meta-morphizing the dinosaurs from harmless cuties to malevolent predators. Despite fine acting from Sam Neill and Laura Dern as an archeologist and his paleobotanist girlfriend, the dinosaurs, both animatronic and computer-generated, are clearly meant to be the stars of the film. Most realistic of the menagerie is the sick triceratops lolling on her side; least, the herd of grazers that stampede across a field as Neil and two children run for cover. It's good to see Neill, a well-timed actor and star of many British and Australian films (including My Brilliant Career) and Dern, who finally started to get phen rooms after her success in Rambling Rose, get the exposure they so richly deserve. Jurassic Park isn't stellar filmmaking, but its individual elements add up to make it a whirlwind, entertaining ride.

-DAL. Loews Chairs

*** Malice
A clever, but underdeveloped plot dooms Malice to mediocrity. The movie centers around an eccentric, young doctor with a God complex (Alex Baldwin). The doctor saves the life of a college student who is raped; then he rents a room from one of the college's deans (Bill Pullman) and his wife (Nicole Kidman). But what starts out as a thriller about a killer on a college campus, ends up as a confusing story with a plot line that has more twists than a bag of pretzels. Kidman and Baldwin act well, but Pullman is both dull and boring. Malice also suffers from the Hollywood syndrome of unnecessary violence and pointless sex. Neither help the plot any, and often they are completely out of character. As a thriller, this movie fails miserably. As a mystery, it fails too. I don't think anyone can be expected to come close to figuring this movie out.

--Patrick Mahoney, Loews Cheri

*** Manhattan Murder Mystery
Woody Allen's latest tone of angst-ridden New York intellectuals tells the story of a mild-mannered book editor (Allen) and his energetic but bored wife (Diane Keaton) as they become involved in solving an alleged murder case. As in any Allen film, sexual tensions compliment the action, with old friend Ted (Alf Alda) coming on to Keaton's character, and sexpot author Marcia (Anjelica Huston) writing her sights on Allen. The result is $6.75 worth of stakeouts, soultful looks, sexual stress, and silliness. Manhattan Murder Mystery may center upon a rather bland murder plot, but it also provides a tight script, savagely satirical Allen performances, and the excellent supporting cast audiences have come to expect from an Allen film.

--Matthew H. Hirsch, Loews Cheri

**** In the Line of Fire
Clint Eastwood follows up Unforgiven with this gripping thriller about a Secret Service agent tracking a psycho-stalking the president. Eastwood, as ever, plays Frank Horrigan, ostensibly the last active agent present at the assassination. Ted (Robert De Niro), Junior Bivie (Dwane D. Lewis), aids Derice Bannock (Lear), set out to compete in the Olympics and wind up international heroes in Cool Runnings.

**** The Fugitive
The ultimate chase movie begins with the ultimate special effect—a train and bus wreck staged not with miniatures, but with the real thing. The wreck frees Dr. Richard Kimble (Harrison Ford), wrongfully convicted of murder, from the bus transporting him to prison, setting up a two-hour chase between Ford and his pursuer, the dedicated federal marshal Sam Gerard (Tommy Lee Jones). Ford is the big name star, and though he gives a great performance, Jones gets all the good lines. His single-minded devotion to upholding the law makes him, in a strange way, a more interesting character than intelligent nice guy Kimble. "I didn't kill my wife," insists Kimble, trapped in a drainage pipe, "I don't care," replies Gerard, and attempts to bring in his suspect. The Fugitive is an exciting movie, and a well-paced one, too. As Kimble's escape grows ever more narrow and improbable, eventually leading up to a fast climax and a fast ending. For once, the hope was worth the wait.

--Deborah A. Levinson, Loews Cheri

****: Excellent
***: Good
**: Average
*: Poor

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**when:** Saturday, October 23, 1993,
11:00am-4:00pm

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Indicate your top 3 industry preferences on the back of your resume. Be as specific as possible (e.g., investment banking/Corporate Finance).

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For more information contact

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Family Weekend

5th Annual
McHugh, from Page 1

sex Assistant District Attorney John W. McVoy Jr. detailed this series of events and added that McHugh stabbed Raustein with a 7.5-inch switchblade, which cut two ribs and plunged 4 inches into his heart.

Campus Police officers unsuccess-
fully tried to resuscitate Raustein using CPR. He was pro-
nounced dead at the Massachusetts General Hospital at 10:05 p.m.

The assailants fled across the Harvard Bridge to Kenmore Square, where they were arrested by Boston University Police around 10:15 p.m.

The youths were later indicted for murder and armed robbery.

Fredheim and Velez testify

Fredheim testified in court on
Tuesday, describing how he and
Raustein were approached by
McHugh and the two others, accord-
ing to The Boston Globe. He said
that he did not see who stabbed
Raustein. Fredheim said Donovan
punched Raustein, bringing him to
his knees. He then heard a click
come from McHugh and saw him
holding a knife. Velez took Fred-
heim’s wallet before the three of
them ran away, Fredheim said. He
then saw his friend on his knees,
bleeding from Raustein’s chest, he
said.

Velez testified on Wednesday that
after McHugh stabbed Raustein,
he wiped his 7.5-inch switchblade
on Raustein’s back as the victim was on his hands and knees, as reported in The Boston
Globe. During the testimony, Velez
did not see McHugh stab Raustein but that McHugh admitted to doing it.

“I asked Shon if he stabbed that
guy and he said, ‘Yeah. It came out
of his back.’” Velez said when
examined by McEvoy.

Velez said that all three of them
were drinking alcohol or smok-
ning marijuana that night. They want-
ed to get more money for beer.

The prosecution’s strategy was
to prove premeditated murder and
felony murder. Judge John Brandt
did not find McHugh guilty of pre-
meditated murder beyond a reason-
able doubt, but found grounds to
consider him of felony murder.

McHugh: ‘It was an accident’

The defense presented its case
yesterday, putting McHugh on the
stand. During his testimony,
McHugh did not deny holding the
knife, but he said that Raustein, who
was on his hands and knees, lunged
onto his blade.

“I didn’t stab him,” McHugh
said, adding that he took out the
knife because Donovan told him to.
“I was an accident. I was pointing it
at him so he could see it and stay
down.”

McEvey called McHugh’s state-
ments insulting, according to the
Globe.

During Wednesday’s proced-
ings, McHugh’s attorney Robert A.
George tried to prove that the crime
was not premeditated. He suggested
the three intended to steal money
from the MIT campus, not to kill.
He also tried to emphasize the dis-
capacities in Velez’s testimony, con-
trasting Velez’ statements when
questioned with his statements on
the stand.

George moved to have
McHugh’s first-degree murder
charge dismissed because the stab-
ing occurred after Donovan had
first confronted Raustein and Fred-
heim. Judge Brandt declined the
motion after McVoy reasoned that
premeditated murder exists even if
an individual decides to commit the
crime seconds before the event, according to the Globe.

Before this week’s trial could
take place, McHugh had a transfer
hearing to determine whether he
should be tried as a juvenile or an
adult. In early June, a Cambridge
Juvenile Court judge ordered that
McHugh be tried as a juvenile.
McHugh was several days shy of
his 16th birthday when he committed
the crime, and Massachusetts law
states that 16-year-olds can be tried
as adults. A juvenile convicted of
murder faces a maximum sentence
of 15 to 20 years, while an adult
convicted of murder faces life in
prison.

McHugh will remain in custody
of the Department of Youth Ser-
vices until he turns 21, then he will
go to Massachusetts Correctional
Institute at Cedar Junction. He will
be eligible for parole after 15 years.
Donovan and Velez are awaiting
trial.
The largest sperm bank in the United States is looking for donors.

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Indirect Research Costs Major Factor in Deficit

From Page 1

The deficit was applied to the deficit, and the remaining $7 million came from a series of funds, earned income on research and recognition of the research reserve, according to Culliton. It was the first time since 1982 that money from the endowment was used to cover operating expenses.

Continuing reliance on the endowment to cover expenses has serious long-term effects for the Institute, Culliton said. “Whatever sin in the endowment collects interest. If you spend the principal, it’s not sitting there collecting interest,” he said.

In fiscal year 1992, the operating gap was $13.1 million and $6.8 million of unrestricted gifts were used to reduce the deficit to $6.2 million.

The deficit threatened to much more than escalate, according to Culliton.

“Decline in indirect cost recovery is a problem for MIT and the government,” Culliton said.

“Indirect research costs include library and similar services, administrative costs, and costs to support facilities that are not directly related to a particular research project. These costs are billed as a percentage of indirect research costs in sponsored research. The amount of research was less than expected, less of the support costs could be paid for it.”

“If your volume does not grow as fast as you projected, loss of that indirect cost can be converted through research. The money has to be paid somehow,” Culliton explained.

Culliton expects that indirect cost recovery will be a problem in the future.

The political climate and increased government scrutiny of research universities have forced increasing government scrutiny of research universities like MIT, Culliton said.

“Indirect research cost recovery was caused by a slowdown in the growth of sponsored research. Because the amount of research was less than expected, less of the support costs could be paid for it.”

“A further $17 million loss in indirect cost recovery was caused by a slowdown in the growth of sponsored research. Because the amount of research was less than expected, less of the support costs could be paid for it.”

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Culliton said that the Institute can specifically recognize the donor and can maintain budget discipline.

“For the deficit in the endowment even though it was designated unrestricted funds so that the Institute can specifically recognize the donor and can maintain budget discipline.”

Placing the bequest in the endowment would benefit the Institute.

“The money used to supplement the endowment has been placed in the endowment collects interest.”

William A. Coolidge gave $8.4 million to MIT in his will. All of the money used to supplement the endowment has been placed in the endowment collects interest.

The increase in the deficit from last year to this year and is projected for 21 percent of tuition in 1994.

In 1985 a task force on under-graduate financial aid recommended that self-help levels increase at a rate two to three percent above tuition increases. The task force also recommended that if the unrestricted funds used for aid reached more than 15 percent of tuition income, it should be a sign of caution and the financial aid policy should be reviewed.

The total amount of gifts to MIT declined to $89.2 million this year, from $98.9 million last year.

The total number of students at MIT exceeded 15 percent of tuition income, it should be a sign of caution and the financial aid policy should be reviewed.

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The Computing Support Services group of Information Systems is looking for new frontline consultants for the following services: Athena Consulting, the Access Technology for Information and Computing Lab (ATIC), and the Microcomputing Help Line. A minimum commitment of 7 scheduled hours per week is required. Experience teaching technical ideas is a plus. We seek people who communicate well and can explain ideas clearly at various levels.

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We're looking for experienced Athena users who enjoy helping people. Additional qualifications:

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- Knowledge of LaTeX, ez, or troff
- C or elisp programming a plus

Athena consultants must be available for weekly meetings on Wednesdays, 5-7PM.

ATIC LAB

Consultants plan access technology solutions and provide training and on-going support for individuals with disabilities or injuries.

Qualifications include good one-on-one people skills, as well as familiarity with at least two of the following platforms: Macintosh, DOS, Athena.

Experience working with voice recognition, voice synthesis, or other adaptive computing technologies is a plus.

ATIC consultants must be available for biweekly meetings on Mondays, 5-6PM.

MICRO

Consultants provide telephone, walk-in, and some on-line support for users of DOS/Windows and Macintosh computers.

Qualifications include familiarity with some of the following:

- DOS and/or Windows
- Macintosh Operating System
- electronic mail
- word processing applications
- spreadsheet applications
- database applications
- utilities (backup, data recovery, virus protection)

Microcomputing consultants must be available for weekly meetings on Tuesdays, 5:15-6:45PM.

If you are interested in a position in one of the areas above, send Email by October 15 to fawyn@mit.edu with the following information:

1.) Your name and contact information (phone numbers, address, etc.)
2.) Which service(s) you are interested in, and why
3.) Your expected date of graduation
4.) Any relevant qualifications you wish to highlight
5.) Your up-to-date resume (or indicate how to contact you for resume)

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Salad Garden .......................... 11am-8pm
Sweet Things ......................... 7:30am-8pm
Calfe Features ......................... 11am-2pm
(Traditional Entrées) ......... 5pm-8pm

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Tortillas .................................. 5pm-8pm
Burger King ............................ 9am-8pm
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Sweet Things ......................... 9am-6pm
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Physics Majors - a "Nobel" experiment
Historically the direct measurement of electron velocity in an electron beam has presented problems for experimental physicists. J.J. Thomson's inability to conduct this measurement led to his alternate experiment for measuring a charge to mass ratio. More recently, electron time of flight experiments using low energy electron guns have been strongly influenced by preconceived expectations. Early arriving electrons (those arriving before current theory allows) must be ignored; whereas those arriving within acceptable times can be alternatively interpreted through secondary absorption and emission.

But suppose a low energy electron beam were fired in space at a target that approached rapidly at constant velocity. Now if the energy of electrons in this beam were low enough (so that under contemporary theory they were calculated to be traveling substantially below the speed of light), then the energy of this beam, according to accepted theory, would adhere closely to our kinetic energy equation. In this case, the velocity of the target would be additive with the presumed electron velocity, and recorded energies at the target would allow the beam electron velocities to be accurately determined by subtracting the energy contribution of the target's motion.

The experiment would be difficult to carry out and possibly could only be conducted reliably in space between approaching and receding satellites. But why might this experiment be of "Nobel" stature? Because today the debate over particle or wave is still very much alive. Although physicists still treat the electron and other subatomic entities as particles possessing wave properties, there are increasing reasons to consider these phenomena as concentrated fields or wave pulses, as Einstein, Schrodinger and others suggested. However, waves and field disturbances travel at the speed of light and this has traditionally posed a barrier to a pure wave or field model.

The experiment settles the issue in a more satisfactory manner than previous experiments that have relied on interpretation. For if low energy electron beams traveled at the speed of light their energy would be only marginally affected (due to a minimal frequency adjustment) by the approach or recession of the target. Therefore, they would be subject to Planck's equation in a manner similar to electromagnetic radiation. The experiment either validates current theory, via an additive velocity, or it becomes the Achilles heel for some interpretations. Preeminent among these would be our Newtonian concept of mass.

Unlike time and displacement, masses are never directly measured. As with electron velocities, masses are merely implied from other measurements, principally forces, displacements and energies. Thus, if in the foregoing experiment results supported the unusual conclusion that electrons traveled at the speed of light, our view of the mass concept would require adjustment. Here, a change in energy of an electron would always require a proportionate change in its equivalent mass. This condition would not be confirmed to beam electrons. It would follow that electrons in different energy levels in the atom would have different equivalent mass values. And it could be shown that protons would possess similar characteristics. The predominantly particle view of matter would collapse.

Although today's technology has reached a point where the experiment outlined briefly above is feasible, those committed to the current model would not endorse it for the purpose of disproving the established theory. Its value would only be seen by a confirmatory experiment as an interesting method of supporting current truths. The idea of electrons traveling at the speed of light is today unthinkable. Yet for the person who is bold enough to undertake it an iconoclastic result is possible that would, amongst other issues, make desirable the purchase of a heavy winter coat, as it can be very cold visiting Stockholm in December.

Physics majors wishing to learn more about a theory supporting electrons traveling at the speed of light with variable masses, a theory that additionally provides a deterministic model of atomic events, can write the author at the following address:
Jed Scherzard
35 Triton Rd.
Huppertville Junction, N.Y. 12531

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We look forward to seeing you there.
Legal System Creates Problems For Victims of Harassment

Harassment, from Page 1

...are all the more terrifying, given that the perpetrator is horny, but because the victim was sexually abused, it is not because they are people who will abuse power," he said.

...was always be people in our society who abuse power," Macleish continued. "The horror of sexual harassment is often transmitted by the harasser and may not be ready to come forward to testify before the time limit is past, Macleish explained. If a victim does file a complaint, there are a host of laws prohibiting sexual harassment, but the grounds for proving the case are slim, Macleish said.

...are two types of sexual harassment, he said. The first is paid quo harassment, in which a supervisor tries to create an employee into dating or sexual relations, with the promise of work-related benefits. When the employee rebuffs the advances, the employee is fired. In these situations, the victim has a clear right to sue both the supervisor and the employer, Macleish said. "You don't even have to show that the employer knew about the harassment going on. You do have to prove you were sexually harassed and that your termination was required because you did not submit to these advances," he said.

...the second kind of harassment was hostile environment harassment. Macleish characterized this case as when the victim need not show tangible economic harms, but only that a pervasive environment of harassment existed.

Harassment must be pervasive

The pervasive test is cumbersome, though, Macleish said. He cited one case where the victim did not suffer serious psychological harm, and for that reason the court ruled in favor of the harasser. The pervasive test as Macleish described it is a catch 22. To be sure of winning a hostile environment case, he said, the victim must be completely destroyed psychologically — destroyed to the point that the victim would hardly be capable of bringing a case in the first place. Macleish also said the tendency "to go along with the boys" can cause a victim to fail the hostile environment test. "Some courts have said you would lose legal rights unless you oppose [haras-]ment from the beginning," he said.

...in one case, a court ruled that sexually explicit posters of women hanging in factories could not be con- sidered to create a hostile environment because they were so common in American factories that women should expect them. Macleish described some measure that industries could take to be more responsive to the victims of harassment. "The people who are listening to these complaints have to have some power. They must be able to move or fire the harasser. They need to be trained to listen empathetically," said. "I don't know the details of MIT's harassment policy, but from everything I've heard, it's pretty lacking," Macleish concluded.

...and the employer, Macleish said. He has said you would lose legal rights unless you oppose [haras-]ment from the beginning," he said.

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Jim's Journal
Steve made a
casserole today
and invited Ruth
and me over to
eat it.
He said he was
worried it might
be too spicy and
asked what we
thought.
I said it maybe
was too spicy,
and Ruth didn't
say anything.
Steve kept saying
"C'mon, Ruth, be
honest!" until
she finally said,
"No, it's not spicy—
but it's good!"

by Jim
**Women Rowers Slic Competitors in Regattas**

By Megan Jasek

"MIT on the paddle... Okay girls, let's go and see that paddle. Number 478, Cornell. Go! Go! Go!" Blame them now, 478. Group of people behind. Put it up... All eight up to three-quarters. Pressure on this one. Brown University! Go! MIT, bring it up... Fall pressure on this one... MIT Go! Goopee... power ten to start it off.

These are the voices of one of the MIT crossers and the starter of the Head of the Ohio Regatta. The MIT rowers head phisiticall to these at the beginning of all their head races in the fall. This weekend, the women's crew was spread out across the country. The varsity boat went to the Head of the Ohio in Pittsburgh and the lightweight and junior varsity boats went to the Textile Regatta in Lowell, Mass.

The Massachusetts-based crew had a good weekend. The junior varsity rowed in the club eight event. From how to row that boat consisted of Heather Back '96, Catherine Cenley '96, Nicole Weymouth '96, Lisaa Rosenband '96, Stacy Murphy '96, Judy Aicano '96, Christine Mazafany '94, Tracy Adams '94, and Pappuda Srisram '96. They placed fourth out of 17 boats with a time of 20 minutes, 22 seconds. Boston College was first with a time of 19:49, but the junior varsity was happy to know that it is ahead the Simmons varsity boat. The lightweight boat was frustrated it when it arrived in Lowell to find out that they were the only boat registered for the lightweight race, so they too rowed in the club eight event. Overcoming all forms of disappointament, they came in eighth with a time of 20:29, only 22 seconds behind the other MIT boat. That boat boat from bow to stern consisted of Giorita Ro '94, Cindy Fang '96, Louise Wells '96, Sarah Vielek '95, Becky Berry '95, Malise Lucas '94, Tina Hamenmantilla '94, Diane Hodges '95, and Carilcne Kng '94. The morning in Pittsburgh start- ed 13:30. This is when the athletes left the station of a 1980 Shang grad- uate. The first race of the day was the open four event at 9:50 a.m. The MIT women raced two fours. The MIT-B boat consisted of, from how to start, Victoria Parwio '94, Sarah Black '96, Megan Jasek '94, Andrea Jensen '94, and Sherry Hoising '95. The MIT-B boat consisted of, from how to row, Bethany Foch G, Sab- rina Borelto '95, Amy Swason '95, Jeanie Olson '96, and Sheni Serka '96. There were 10 boats competing in the race. MIT-A fiinished third with a time of 16:29.3 and MIT-B finished fifth with a time of 17:10.1. The Cornell A and B boats placed first and second.

The day grew drearier and the rain started to fall. The regatta was behind schedule by an hour, but that did not stop the MIT rowers from being psyched for their eights race now postponed to 3:30 p.m. The rowers kept warm and tried to dry their racing clothing in a Suburban with the heat. On the varsity eight race was the last race of the day and the MIT varsity boat was much calmer for this race than it had been in the morning. There were 11 boats in this race. The MIT eight which consisted of the same eight rowers list- ed above and coxswain Sherry Hui- ng placed third behind Cornell and Brown. It was a great rowing weekend for the MIT women. Coach Mayne Earle said this is by far the best crew that she has ever coached. She anticipates great things for the women this year. She said the team is filled with depth and spirit.

**Runners Blaze to Win 2nd in N.Y.**

By Rob Cascadone and David Moyle

TEAM MEMBERS

The men's cross-country team finished a strong second to Williams College in the 13-team LeMoyne Invitational in Syracuse, N.Y. Satur- day. The team was led by a blazing Jesse Darley '95 who set an MIT course record by 21 seconds and remained undefeated against New England runners. Darley and two others broke from the pack after two miles, and Darley finished second behind a runner from St. Lawrence University. He covered the course in a stun- ning 26 minutes, 27 seconds.

In the final scoring Williams captured 29, MIT 44-38, and Oberlin schools were St. Lawrence 59, SUNY-Gene- see 101, and St. John 190. Behind Darley, David Moyle '94 (7:14), Jerry Pratt '94 (7:27), Ray Supavadiro '94 (7:41), and Arnold Soto '94 (7:55) rounded out the top five scorers for the Beavers, placing seventh, 11th, 16th, and 22nd in a field of 85 runners. Tarik Sahil '95 and Dan Hegelson '95 also raced strongly for the varsity, placing 29th and 30th respectively.

The course was hilly and slick because of overnight rain, so MIT started conservatively in the middle of the pack. Then the Tech runners surged with great strength over the final two tortuous miles. MIT runners blew past numerous other com- petitors who folded by the wayside as the Beavers roared past.

In the varsity race, MIT placed second to Williams Col- lege, though the JV harriers had also placed second to Williams Col- lege in the coming weeks, as well as a its 1992 conference championship.

The team now looks ahead to the Head of the Ohio Regatta. October 8, 1993.
Men's Tennis Team Trounces Clark U.

By Dan Wang

The men's tennis team improved its fall record to 2-2 with an 8-0 win over Clark University on Tuesday.

MIT played the match without the services of its top player, Jay Muehlhofer '94, who was on the sidelines recovering from injuries sustained during the Rolex New England Regionals held last weekend. Coach Jeff Hamilton was forced to move everyone to one position higher than usual.

The change did not dramatically affect the outcome of the match. In singles play, Mauricio Lomelin '94, Nick Tsai '94, and Dan Wang '97 all captured their first singles victories of the season.

In his first varsity singles match, Rob Marcero '97 won fairly easily over Chirag Chaman, 6-1, 6-3. Lomelin, Wang, and Jason Weintraub '97 also won their singles matches in straight sets. Tsai and Mark Erickson '94 both struggled early on, but recovered to win in three sets with scores of, respectively, 7-5, 6-7, 6-0, 6-0, and 6-7 (7-4), 6-4, 6-2.

With the outcome of the match already decided after singles play, the doubles teams played abbreviated matches. Tsai, who usually plays with Muehlhofer, was paired this time with Marcero. They were able to win, 8-6, over the Clark team of Chaman and Brad Powers. The third doubles team of Wang and Weintraub improved its record to 2-2, with an 8-3 win over Josh Barrett and Neil Delfacco.

Doubles play had nearly been completed by the time Erickson finished his singles match. For this reason, Erickson and Lomelin, the second-seeded doubles team, did not play their match.

Sailors Make Good Show Around N.E.

By Danielle Ames

It was another busy weekend on the water for the sailing team. On Saturday, at Harvard University, the crews of Adam London '95 and John Feland '94, and Charlie Pan '95 and Eugene '95, battled heavy winds and placed fifth out of twelve teams in the Northern Series.

Meanwhile, Doug DeCouto '97 and Patricia Schmidt '96 sailed together along with Danielle Ames '96 and Elaine Reel '95, at the U.S. Coast Guard Academy in New London, Conn. MIT was among twenty of the best teams in the country represented at this two-day event.

On Sunday, Al Silvan '95 and Weather Campbell '95 won their division in Tech dinghies here at MIT. Together with Dan Nester '96, who sailed in the Laser division, these three placed third overall.

Finally, the newcomers to college sailing had a regatta on Sunday at Harvard. Chris Streiff '97, Robert LaChance '97, Jeff Brook '97 and Alan Al '97 sailed in this event, continuing to make strides toward glory.

Want to talk? Call Nightline: 253-8800

This space donated by The Tech
Rugby Is Victorious Over Schenectady

By Eric Oliver

On Saturday the men’s rugby team battled Schenectady. Despite strong winds and a second half comeback by Schenectady, the Engineers came away with a 35-24 victory.

MIT started the match with the wind at its back, and quickly took advantage. Following a try by Ben Paul G, MIT stormed back down the field. Warren Brown G ran the ball to within 10 yards of the goal, and as he was being tackled flipped the ball to Joe de Patis G who sprinted into the try zone. Strong, aggressive defense play neutralized many of Schenectady’s offensive weapons, and seemed to intimidate their backs.

Meanwhile, MIT capitalized on several opportunities, with Paul scoring again, followed by a try from Guy DeBelle on a pass from Mark Johnson G. The half ended when an attempted Schenectady kick was blocked by Hal Ackler G, who picked up the ball and ran it in for a score. The strong winds seemed to play havoc with Chris Perry’s conversion kicks, as all of them were wide. The half ended with MIT ahead 25-0.

The second half allowed the Schenectady club to play with the wind at its back, and they responded by scoring 24 points. It was not enough, however, as the Engineers scored twice more against the wind (by Johnson and Brown) and came away with the win. The A side is now 2-2, and plays league rival Harvard University in a home match this Saturday.

The B side match was dominated by defense, as MIT fought to a 12-5 victory. The wind was less of a factor, and the Engineers broke the ice, after several minutes of pounding the ball into the Schenectady “red zone,” with a crushing three yard score by Kent Englebrecht G. The conversion kick by Eric Oliver G gave MIT a 7-0 lead. The ball changed possession several times throughout the half, and MIT earned its second victory. The wind was less of a factor, and the Engineers broke the ice, after several minutes of pounding the ball into the Schenectady “red zone,” with a crushing three yard score by Kent Englebrecht G. The conversion kick by Eric Oliver G gave MIT a 7-0 lead. The ball changed possession several times throughout the half, and MIT earned its second victory.

For the second half, Bruno set the pace with hard hitting and aggressive tackling as Schenectady had trouble penetrating the defense. The team managed one score late in the game and missed the kick, and MIT rallied to a 12-5 win.

UPCOMING HOME EVENTS

Saturday, October 9

Varsity Sailing: New England Singlehanded Championships, 9:30 a.m.

Women’s Varsity Soccer vs. Smith College, 11 a.m.

Sunday, October 10

Varsity Sailing: New England Singlehanded Championships, 9:30 a.m.

Write for The Tech Sports Department! Call us at 253-1541 and ask to speak to Ann or Eric.
Glanville Brings in 11 Elvis Impersonators

Let's Argue, from Page 23

Let's Argue Fan Top 5

This week's listing comes from Houston, Tex., home of Chris Somms

1. Florida State
2. Alabama
3. Miami
4. BYU
5. Baylor

former members of the Big Red

Tony Lockwood (first in buffoonery) leads

Mike Lum, Rawley "Witches of Eastwick, Fred Norman, Dan "Steinmen, Bill Littlefield

Clay "Christmas" Carrol, Doug Flynn, and Pat Darcy.

Globe Gem of the Week

Race for Futility

Pigeons: 0-5

Puny Cats: 9-0

Elvis brings in 11 Elvis impersonators during Atlant's by-

week to scrimmage the Falcons in an attempt to bolster team's con-

dence. Falcon players are no-show, however, as they are too busy

watching CBS and the Houston Oilers. At least the Raiders are

in the U.S. Navy." And we thought abolishing flogging as a form of punish-

ment was a day to celebrate.

You Heard It Here First

Tampa Bay will be awarded Super Bowl XXXI in 1997, edging out San Diego. This will not only allow Bay area fans a chance to see the Super Bowl is supposed to be

played, but also allow your humble scribes to revisit Space Odyssey 2001, a quaint bar down the street from the Big Sombrero.

Mondong's Huso de la Semana

We have two winners this week in our Award Break Down Pick of the Week com-

petition. First, to the unkindred San Diego State player who "fell out of bounds at the half-yard line after receiving a kick off during last Thurs-

day's SDCCU game. And second, to Gary Sheffield "of Dreams" who muffed

two grounders en route to last week's question: Dr. Bobby Brown. Kudos to Jonathan Sigman '94, and Alex Tapa '96 who got it right. They

win the right to dot the "i" in script MIT, performed by the MIT marching band
during halftime of the Oct. 23 homecoming football game, a game that will be broadcast live on

the fans of Buffalo, Cox gets fingers shot off by a marksman nestled comfortably in the Pound. Dawgs go wild, as Fish get munched. Jets 16, Raiders 3. Score is obvious, the age of Any Fisher when Joey Buttafusco was counting her and the number of renders Bob finally admitted to having with her. Last week 5-2. Season to date: 22-11.

Sorry to the MIT hitting public who relies on Vix Picks before calling their bookies for last weekends foot-

ball games, but The Tech was unable to receive our fax transmis-

sion from the lab.

Rumbling's From Round the 'Tute

From David G. Steel '93, our first reader this week: "Chicago
today is a city in shock. In a single night Michael Jordan's retirement

looked out to the media and the White Sox were trampled by the Toronto Blue Jays. But Chicago fans stop optimistic and last night as they choked back the tears over MIT's departure there was already talk of "Frank" Pardur starting

for the Bulls. Across town, at the new Comiskey Park, the Jays

showed they didn't care about the white sox being waved in their faces

and hit the ball all over the park. Ellis Burks captured the spirit of the

night.

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SPORTS

A Let’s Argue Tribute to His Airmess, Michael Jordan

By Mike Duffy
and Andrew Heltner

Before beginning our regularly scheduled column, we pay tribute to his Airmess,arguably the greatest basketball player of all time. Michael Jordan addressed on Wednesday that he would hang up his sneakers and play the role of “normal” Joe Citizen. We can’t begin to list all of his records and accomplishments, but we can say that he will be missed. Of all the superstars throughout the history of basketball, Jordan is the only one who did not have any flaws to his game. The rumors that Spike Lee would help to deliver his first national championship. But thus far, the most heralded of the game has been his ability to inspire. Jordan was the first to deliver a speech to the nation’s schools when he landed a wild left hand to the face. Lewis, the greatest fighter in the heavyweight division, will need to learn better defense if he hopes to survive his March 5 encounter with Tommy “Moon” Morrison. For his part, Lewis fought well enough to warrant a good money fight on USA’s Tuesday Night Fights, lately the haven for old fighters hanging on to dignity by a piece of dental floss. Riddick Bowe may want to sign up for a fight with Lewis now before Lewis falls and they both lose out on a fat payday. This year’s National League West and American League East pennant races should show the Lords of the Diamond that having wild card teams in the playoffs is not the answer to baseball’s woes. Baseball set an all-time record for attendance this season, even if you don’t include the initials from expansion teams Colorado and Florida, you owners continually moan about TV contracts and not making enough profit because of escalating salaries. Yet how exciting would the NL West race have been knowing that both San Francisco and Atlanta already had clinched playoff spots? or how exciting would the AL East race have been knowing in August that five teams within one game of first were duking it out for two spots. In the NFL, with its 16 game schedule, it is one thing to have wild card teams in the playoffs is a World Premiere Screening of Mystery Science Theater 3000 is coming to this campus. On the show, cheesy films are reviewed by a man and two robots made from a lacrosse helmet and a gumball machine. Boy, will your parents ever be happy to hear how you’re spending their money.

THE FIRST 80 PEOPLE TO ARRIVE AT THE SCREENING WILL RECEIVE EITHER A COMEDY CENTRAL T-SHIRT OR AN MST 3000 POSTER.

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