Design process for the old TRW site to begin

By Adams H. Lawai

The design stage for a new Institute building to be constructed at 31 Ames Street, behind Building 66, is now in progress, according to Director of Planning Robert Simha MCT '77. The old building at the site was demolished in the fall of 1987 following MIT's purchase of the site in June 1986.

According to Simha, the architectural firm of Moody and Clancy has been contracted to prepare the design for the new building. The firm is presently carrying out preliminary tests at the site. The design is expected to be completed in another year. Construction will take at least another one and a half years, Simha said.

The School of Science intends to move the biology department to the new building. This would bring the department closer to the Center for Cancer Research in the Slessey G. Mudd Building (E17) and to the Whitehead Institute for Biomedical Research on Main Street.

The Institute at present does not have complete funds for the construction of the new building and more funding is expected, Simha said. He was uncertain exactly where the funds would come from.

The project is expected to cost around $300 million, according to Senior Vice President William R. Dickson '56.

According to Thomas E. Sheppard, assistant director of the Physical Plant, the new building "is yet in the conceptual design. The schematic design phase will begin as soon as tests on the site, which include soil tests, are complete, he said.

The TRW Corporation building which stood on the site before MIT purchased the property was vacated in the summer of 1986. TRW had been using the building for manufacturing hardware and home appliances. The building was demolished under contract by an outside firm, Vapco & Company.

The part of the biology department which will be moving to the new building takes up £2,000 square feet, much less than the available space at the new site, said Gene M. Brown, dean of science. MIT is unsure how the additional space will be used, he said.

Context subject seeks increased AIDS awareness

By Lisa Havran

AIDS: Scientific Challenge and Human Challenge 17.0456 is being offered for the second time in an attempt to educate the MIT community about dangers and problems of the AIDS virus. The one-lecture course, which is part of the Institute's Context program, is taught by Professor J. Michael Baltimore 70, a Nobel laureate, and Special Assistant to the President. Mary Rowe, who was last year.

It will bring to campus several guest lecturers who daily face the dilemmas posed by AIDS — epidemiologists, public policy specialists, and HIV carriers. The class's primary objective is AIDS education and awareness, according to the course managers, Rowe and Assistant Dean Leslie C. Perelman.

Rowe said she is especially interested in informing heterosexual women about the risk the AIDS virus poses to them. She expressed concern over the finding by a recent study of college-age women that nearly 30 percent of them have practiced intercourse without protection.

By practicing anal intercourse, women are "putting their technical virginity at risk," said Rowe.

Another reporter asked if Cech's lecture would change his mind. Cech replied, "I hope not."

When asked by a reporter if the Nobel Prize would change his life, Cech replied, "I hope not."

Another reporter asked if Cech had expected to win the prize. Cech answered, "I'd be home in Colorado if I knew I was going to get the call."

Because of the announcement, Cech was forced to reschedule his lecture for BUSA from 4 pm to 2 pm. According to Biology Professor Graham C. Walker, "A lot of people might have cancelled the talk, but Tom just isn't like that."

Cech delivered an hour-long lecture on "RNA Enzymes and the Origin of Life" to an overflowing 10250 hall, full of undergraduates and graduate students and members of the faculty. Directly after the lecture, Walker boarded a plane to return to Colorado to share his happiness with his family and the University of Colorado.

BUSA member Eric Wickstrom 90 introduced Cech as a man who had faith in himself and in science, investigating what other scientists had put off to be the results of impurities or errors.

"I always enjoy talking here," he said with a laugh as he opened the lecture. The lanky Cech spoke about three topics, opening with a discussion of ribonucleic acid (RNA), which acts as a messenger within the cell. He also addressed the molecular origins of life and the structure of chromosomes, which contain the cell's hereditary information in the form of deoxyribonucleic acid (DNA).

Cech won the prize for his observation that RNA could function as an enzyme and therefore speed up, or catalyze, chemical reactions. This had major implications for evolutionary theory, as it had previously been thought that RNA proteins were the only catalysts of chemical reactions.

Cech's lecture was the second annual lecture supported by MIT BUSA. More than a year ago, the Howard Hughes Medical Institute awarded $1 million to MIT to stimulate undergraduate research (please turn to page 2).

Cray supercomputer ready for use

By Michael Schlaup

After much anticipation, the MIT CRAY-2 Supercomputer Facility (MITSF) opened its doors on July 15. All members of the MIT community can now use the machine, which is located in Building W9.

Equipped with four central processors and 256 million 64-bit words (more than 3 gigabytes) of memory, the CRAY-2/256 system is valued at over $7.5 million. The machine is presently leased to MIT as part of a five-year research agreement with Cray Research.

Cech's lecture was the second annual lecture supported by MIT BUSA. More than a year ago, the Howard Hughes Medical Institute awarded $1 million to MIT to stimulate undergraduate research (please turn to page 2).
AIDS context course offered this semester

(Continued from page 1) They are putting themselves at high risk for HIV infection," Rowe said. Rowe hoped the AIDS class may save lives by informing people of these types of risks.

Comments received on last year's course evaluation forms prompted organizers to alter this semester's AIDS class, Rowe said. For example, Baltimore will give three lectures this year instead of two as he did last year. Students also asked for more emphasis on how AIDS affects women and minorities. As a result, Mary Bassett, a doctor who works with AIDS patients in Zimbabwe, will discuss the AIDS situation in Africa on Monday. And Harlon Dalton will address the question of "Is AIDS genetic?" on Oct. 23.

Perelman said that this year the course is focusing more on people with personal encounters with AIDS. Thomas C. Mills '77, a psychiatrist who is HIV positive, spoke at a recent lecture. Both Rowe and Perelman said they are happy with the MIT community's response to the class. While the class is under

Cech, Altman win Nobel Prize

(Continued from page 1) education in biology. The BUSA annual lecture is one of the activities financed by the Hughes grant. Last year, Nobel laureate Mike Brown spoke about his research. (Editor's note: Tech staff writer David Boshstein contributed to this report.)

Listings

Student activities, administrative offices, academic departments and other groups -- both on and off the MIT campus -- can list meetings, activities, and other announcements in "The Tech's" "Listings" section. To place a listing, complete a "MIT Events" announcement and MIT student activity form and reserve space in the "Listings" section. For more information call 452-3600.

October 13, 1989

A program of celebrations entitled Community: The Howard Thurman Legacy will begin at 7:30 pm at the Tsai Performance Center, 100 Memorial Drive. For more information call 253-8070.

November 21, 1989

"Goose and Grimm" cartoonists Mike Peters and Mike de Wijn. Northeastern University Blackman Auditorium, 7 pm. For more information call 497-3285.

October 15, 1989

Ford Hall Forum presents "Mother Goose and Grimm" cartoons Mike Peters and Mike de Wijn. Northeastern University Blackman Auditorium, 7 pm. For more information call 497-3285.

October 16, 1989

Free lecture on dealing with aging parents at 7:30 pm by Riverside Family Institute. For more information call 964-6093.

October 17, 1989

Boston University's African Studies Center will sponsor a lecture on Trade Liberalization and African Communities. 12-1 pm at 270 Bay State Road. Also being sponsored by a workshop on Principles and Practice in Health Care, 12-1 pm at 270 Bay State Road. For more information call 353-3673.

October 23, 1989

Free lecture on being an effective couple at 7:30 pm by Riverside Family Institute. For more information call 964-6093.

October 24, 1989

Professor Shiho Kanda will give a talk entitled "Looking for the Right Side -- Planning for Total Life." 7-8 pm at the MIT Student Center Private Dining Room, sponsored by the MIT Japan Program.

ATTENTION ALL GRADUATE STUDENTS

MIT is seeking the participation of graduate students in the following institute committees;

Comm. on Assessment of Biohazards
Athletic Board (a female student is needed)
Commencement Comm.
Community Service Fund Board
Comm. on Discipline
Medical Advisory Board
Prelaw Advisory Council
Committee on Safety

Serving on an institute committee offers an excellent opportunity for you to get involved in the administrative decision making process at MIT. If you want more information or are interested in serving on any of these committees, please pick up a description of the committee and application form at the Graduate Student Council office (50-222) during the hours of 1:30 to 5:00 pm. Mon - Fri. Interviews will be conducted on Wednesday, October 18 starting at 5:30. If you have any questions, please call the GSC office at 253-2195.

After the cooling system sprung a leak, MIT was forced to make extensive repairs on the ice skating rink.
Continued Soviet arms transfers to Nicaragua alleged

Even though the Soviet Union has promised to stop shipping weapons to Nicaragua—President Gorbachev officially said they may still be arranging the delivery of weapons through Cuba. A Pentagon report says Soviet bloc military shipments to the Sandinista government this year could actually be larger than last year's. Soviet leader Mikhail Gorbachev said President Bush in May that his government had stopped sending weapons to the Managua government.

Drug lords kill two newspaper employees

Two Colombian newspapers, which have joined forces in the fight against drug traffickers, are denouncing the idea of government talks with drug traffickers. This after the killings of two newspaper workers by assassins working for drug lords. The fear of violence has caused some newspaper stands not to sell the newspapers—and at some stands, the papers are kept hidden, and slipped to customers like contraband.

Noriega said to profit from US steroid market

Mexican authorities say Panamanian leader Manuel Noriega made millions of dollars from a laboratory that supplied steroids on the US black market. The Tijuana lab was shut down by police in April. Officials said Noriega invested $800,000 two years ago and saw a return of about $3 million.

Argentinian criticizes Noriega

Another Latin American leader is denouncing the Panamanian regime of military leader Manuel Noriega. The president of Argentina, Carlos Menem, said Panama will not be allowed back into the group of eight leading Latin American democracies until it becomes a democracy again. Menem's comments came the same day towards the end of a regional summit.

Nobel Prize winners announced

Four Americans were among the proud recipients of Nobel Prize announced yesterday. The physics award went to two Americans and one from Austria. The chemistry award went to two other Americans for their work showing the ability of genetic RNA to trigger chemical reactions (see story on page 12).

On Wednesday, a Norwegian professor was awarded the Nobel Memorial Prize in economic science. And last week, the Dalai Lama, spiritual leader of Tibetan Buddhists, won the 1989 Nobel Peace Prize. The winner of the prize in literature has yet to be announced.

South African president criticizes US flag burning

Another Latin American leader is denouncing the US tradition of flag burning. President Bush said he hopes a drug summit that he is calling on Ralph Abernathy to repudiate his account of the July crash of a United Airlines DC-10. Federal investigators have said leftists protested at the site the previous night, set firebombs, threw tear gas grenades, and steel bars made of dishing firebombs, tear gas grenades, and steel bars made of steel bars made of steel bars made of steel bars made of steel bars made of...
The life of a columnist is fraught with peril. People I hardly know call me in the Institute and ask me to write about a subject X. People I know well bang on my door in the middle of the night and ask me to write about a subject Y. I don't have time enough to make a go at it.

But unless my editor tells me to cover it, I will not be able to do it on this unlikable Friday the thirteenth, to mention the most substantive flab I append. Here they are: a baker's dozen of changes, as suggested by you, the budding malcontents. Install dormitory phones in the Institute. A student who needs to call his dormitory from the main complex of MIT buildings is out of luck, unless he's in the lobby. If there are a few dormitory-halls of residence left, the Institute, but most of these are dead. We shouldn't have to tie up our own secretaries' hand lanyards every time we need to call the home office.

In this room we're housed in this machiavelli-drunken school of ours. Many a female student has made the above request. Besides, guys, we don't even need bathrooms. Just you and rooftops.

Change the student center elevators could be adjusted to go just ten times faster, the world would be a better place.

Friday the Thirteenth, Part XXI
Column by Adam Braff

The Tech
FRIDAY, OCTOBER 13, 1989

Volume 109, Number 42

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MANILA BAGGAGE

"I DUNNO, MRS. MALLOY it was just a pair of PARENT-SHOWER PUMPS"

Next House. Not a bad idea. The Coop should either start taking a shuttle or give us an extra five percent in our rebate checks as reimbursement for our efforts.

Place receptacles for glass recycling outside Lobbolt. One of the few non-paper containers you can still get at Lobbolt is the glass bottle. To the disastification of the environment, however, nearly all of this glass is thrown out with the paper and unused food. A few short boxes, emptied often, would reduce a small fraction of the waste.

Equip Lavatories and Toilets with female machines. These are, after all, three great institutions with Italian names. Imagine how convenient it would be to buy your weekly foodstock and dessert using that horrid little piece of plastic with your picture on it. If ARA objects, we ditch ARA. It doesn't last much longer any way.

Speed up the elevators. With all the technology bewitching at this place, you'd think one single elevator would be enjoyable to use. Well, there's one, but it's in building 37 and I don't go there often.

If the Student Center elevators could be adjusted to go just ten times faster, the world would be a better place.

Change the graduation requirements back. Many of you screamed when you read the sheltered with the di- sorry sorority a month ago. Yes, MIT has changed the requirements for all undergraduates, even seniors. Instead of a drop-out of about a year or two, we need to complete 180 to 195 units in addition to the other requirements. If this were to happen, the life of a columnist is fraught with peril. People I hardly know call me in the Institute and ask me to write about a subject X. People I know well bang on my door in the middle of the night and ask me to write about a subject Y. I don't have time enough to make a go at it.

But unless my editor tells me to cover it, I will not be able to do it on this unlikable Friday the thirteenth, to mention the most substantive flab I append. Here they are: a baker's dozen of changes, as suggested by you, the budding malcontents. Install dormitory phones in the Institute. A student who needs to call his dormitory from the main complex of MIT buildings is out of luck, unless he's in the lobby. If there are a few dormitory-halls of residence left, the Institute, but most of these are dead. We shouldn't have to tie up our own secretaries' hand lanyards every time we need to call the home office.

In this room we're housed in this machiavelli-drunken school of ours. Many a female student has made the above request. Besides, guys, we don't even need bathrooms. Just you and rooftops.

Change the student center elevators could be adjusted to go just ten times faster, the world would be a better place.

The Tech is a member of the Associated Press. Passed by Charles Rice Publishing, Inc.
Poster attack was act of hatred

I have some good news and some bad news, with regard to human rights for MIT students. The good news is that Wednesday, after 17 years of effort, the Massachusetts Senate approved the lesbian and gay civil rights bill. The bad news is that MIT students seem to be backing in bi-

social human compassion. Yesterday morning, right after the National Coming Out Day, there were anonymous posters placed in the Infinite Corridor which said, "Okay guys. The party's over. Get back in the closet." Such a blatant act of hatred, cruelty, and fear would be appalling any-

where, but it is even more disillu-

sioning at this institute of higher learning.

I wonder what could possibly have elicited the hatred and ter-

ror that would motivate an anon-

ymous, crude attack on a group of fellow students. The purpose of National Coming Out Day was to make people realize that there are gay 

and lesbian and bisexual students on campus, and that all people have the right to safely exist here. Several students had personal coming out experiences posted in the Infinite Corridor display pan-

el. The " dealers " of this attack are pictures on the panel. These stu-

dents courageously put theirselves on the line in order to furi-

ther a cause they believe in. All the Guys, Lesbians, Bisexuals, and Lesbians in MIT posters had a čause they believe in. All 

students courageously put them-

selves on the line in order to furi-

ther a cause they believe in. All 

the Guys, Lesbians, Bisexuals, and 

Lesbians in MIT material, they co-

uld easily have contacted us to 

discuss their feelings.

Not only were the anonymous posts an act of cowardice and ignorance, they also go directly against MIT policy which forbids discrimination on the basis of sexual orientation.

The response posters showed ignorance and fear. Why is it that these people feel so threatened by the existence of gay people? Are you really so uncomfortable in your sexuality that you find di-

versity threatening? If these peo-

ple truly believe in what they printed, why was there no name, phone number, or any identifica-

tion on the posters? Why would anyone feel the need to urge oth-

ers to hide who they are or hide their identity? I am willing to hear criticism of GMAM, or of my own views, if it is presented directly and intelligently.

If anyone has questions about coming out or wants to discuss any of the related issues, they can call me.

In the meantime, I have been out of the closet for over two years, and I am not going back in. I will continue to proudly work for acceptance of people's diversity.

Rebecca Kaplan '92

Housing Office plans for dorms threatens graduate community

The Tech's recent report on graduate student housing ("Plan gives first-year grade priority," Oct. 3) prompts us to commend you for airing an important issue.

To arrive in Cambridge at the end of the summer, perhaps from a faraway country, only to be confronted with the dreadful housing market in Cambridge or Boston is a disheartening and disillu-

sioning experience. As well as when it is presented directly and intelligently. We are feel-

ing the need to urge others to hide who they are or hide their identity? I am willing to hear criticism of GMAM, or of my own views, if it is presented directly and intelligently.

If anyone has questions about coming out or wants to discuss any of the related issues, they can call me.

In the meantime, I have been out of the closet for over two years, and I am not going back in. I will continue to proudly work for acceptance of people's diversity.

Rebecca Kaplan '92

We want YOU to give a lecture!

The MIT Educational Studies Program is running a one-weekend program of short courses and lectures for high school students this December. We're looking for both students and faculty to give lectures to these students on any topic which interests you. These lectures can be as short as an hour or as long as a ten hour intensive survey of a topic. The program is designed to give you the MIT community, a chance to teach even if you have no experience.

ESP wants to get in touch with you! Come to our last-chance meeting on Friday, October 13th at 5:00 pm at our office in room w20-467 on the fourth floor of the Student Center, or give us a call anytime at 253-4827.

LAST CHANCE SIGNUP!

"We're getting lectures from EVERYWHERE!"

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Room w20-467 in the Student Center
BE THERE!!

Science Smarts

an MIT Colloquium on the scandal of scientific illiteracy

Monday, October 16, 1989

- 3:15 -- Reception in Kresge Lobby
- 4:00 -- Presentations in Kresge Auditorium
- 5:45 -- Dinner at Student Living Groups by invitation

Speakers:

Paul E. Gray
President, MIT

F. James Rutherford
Chief Education Officer
American Association for the
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Sandra Spooner
Assistant Superintendent of Schools,
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GET SCARED!!
Opinion

Letters to the Editor

ARA cook disregarded food freshness labeling

(Editor's note: The Tech received a copy of the following letter, addressed to Ken Miller, the general manager of Food Services.)

Throughout three years of mandatory meal plans at MIT, I have not filed a formal complaint. I have been unhappy with the food service provided by ARA many times, but have let my frustration pass, assuming I could not change the system. Finally, I must speak. ARA blatantly disregards the health of people it serves and this should be stopped.

Last week at dinner at Next House, I noticed the yogurt had passed its freshness date by several days. As a worker at the Student Center coffeehouse, I know that it is not a good idea to sell yogurt past its date, especially since the Next House dining hall keeps yogurt out unrefrigerated through the dinner hours until it sells. I mentioned that the yogurt was past its date to a student worker, who was standing next to one of the Next House cooks. The student said he would alert the manager. I suggested that the yogurt be removed, as it is possibly illegal to sell yogurt past its date. The cook responded, "Nothing's illegal until we are sued; if someone dies and we are sued, it is illegal." Having a worker tell me that he does not care unless a student dies is evidence of ARA's gross policies.

I realize that, as a student, I have little control over whether or not ARA will be allowed to continue "serving" the MIT community. Still, if MIT is planning to continue to allow this service, they should be more respectful of students' health. Forcing hundreds of students to eat ARA food through the mandatory meal plan allows ARA to continue their poor policies with no risk or income loss. This is disgusting.

Joanne Spetz '90

WEBa's pro-life stance not hidden

In his recent column Adam Braff states that Men Exploited by Masturbation's use of off-color humor ("MEM pulls a fast one in the Infinite Corridor," Oct. 6) to expose Women Exploited by Abortion's "unnamed agenda" and "surreptitious intentions" is as "noble a purpose as you'll find." This statement is ridiculous, even for something that is supposed to be funny. It relies on MEM's absurd allegations about WEBA, allegations that Braff states as facts. There is nothing funny about characterizing an underground evil as an organization dedicated to helping women avoid what its own members have found devastating.

Even strong supporters of abortion at MIT admit their admiration for WEBA and its members.

For the record, WEBa does not attempt to hide its espousal of the pro-life position. All rational persons can determine that WEBa is pro-life from the full name of their organization: Women Exploited by Abortion. However, for the benefit of Braff and the members of MEM, I provide this quote from a WEBa pamphlet: "Our goal is to educate all women about the effects of abortion with the hope they would seek an alternative."

Joseph Reel '91

The MIT Coop Announces 7% Rebate.

On behalf of The Harvard Cooperative Society's Board of Directors, James A. Argeros, President of The Coop announced that the annual patronage rebate for the year which ended June, 1989 is 7%.

The 7% rebate is effective on all purchases made by Coop members between July 1, 1988 and June 30, 1989. Rebate checks will be available to members on the 1st Floor at the MIT Coop at Kendall Square beginning October 11, 1989.

The Harvard Cooperative Society, the nation's oldest bookstore cooperative, was established in 1882. The MIT community joined The Coop in 1916. The Coop now serves the MIT academic community with stores in Kendall Square and at the Stratton Center.
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YOU ARE INVITED TO PARTICIPATE IN MIT'S REACCREDITATION REVIEW

On October 16 - 19 the New England Association of Schools and Colleges will undertake a reaccreditation review of MIT. The visiting accreditation team will attend sessions on Project Athena, the undergraduate program review, student life, enrollment, research, the libraries and much more.

THE ACCREDITATION TEAM CORDially invites you to schedule a 15 minute appointment for October 18, 2:30 - 5:00 PM to discuss educational aspects of MIT.

CALL LAURA MERSKY, X3-1706, by 3:00 PM October 16 to sign up.
Michel Camilo gives fiery performance at Kresge concert

MICHEL CAMILO IN TRIO
Michel Bowie, bass, Joel Rosenblatt, drums, and Michel Camilo, keyboards, At Kresge Auditorium, Friday, October 6.

MICHEL CAMILO TOOK TO THE keyboard of the Kresge Bösendorfer last Friday evening on his first American concert date and set the stage "on fire." He opened with upbeat "Island Stomp" from his appropriately entitled second album, On Fire, just released last week, and continued with more pieces from this and his first album, Michel Camilo. Bassist Michael Bowie and drummer Joel Rosenblatt took their first extensive solos in the closer of the first set, "Caribe," after which a standing Kresge audience demanded an encore.

The second set as well had fiery moments, such as the title track from his new album with which he closed, which also received a standing ovation from the packed house. The vigorous encore again featured the flying finesse of Camilo's pianos and driving Latin-flavored rhythm by Bowie and Rosenblatt.

Friday's performance was Camilo's first concert on his first American tour. It was also the first concert sponsored by the Marvin Asnes Performing Arts Fund, established in 1987 by Norma Asnes in memory of her late husband, a man very active in the MIT cultural community. In addition to the concert appearance, Camilo taught a master class on jazz improvisation at Killian Hall at noon on Friday. At that session Camilo revealed some provisional composition. His classical background, bebop influences, and Caribbean heritage combine to form a unique jazz style, one with virtuomatic flair that at the same time swings with the drive of Latin-flavored rhythms.

Camilo's classical influence shows most when he does more lyrical ballads or blues, which he did only seldomly Friday. But, although Camilo can move and captivate with his rich, lush ballads, his real strength lies in rapidly executed jazz lines played above the jumping left hand Latin rhythm lines. Camilo's music projects the joyful attitude he holds; he really likes playing music and he exudes his pleasure to his listeners.

Camilo is quite technically proficient, but is one of the few players who, while he plays very rapidly, also has the improvisational ability to choose the right notes, and makes them swing too.

The trio worked extremely well together, highlighting a main point of Camilo's afternoon seminar: that the art of jazz greatly depends on musicians playing together, rather than just being together playing. Camilo urged the class to listen to jazz groups to see whether they communicated and played dynamically as a group. I listened; and they did.

Rosenblatt laid down the Caribbean style rhythms with clarity and sensitivity to Camilo's style, and used a colorful variety of cymbals and toms to enhance the rhythms. Bowie also played expertly, being an excellent example of how a trio bassist must play.

If you get the opportunity to hear Camilo, you will certainly find much to enjoy about his music. The only downfall is that his distinctive Caribbean sound, which sounds so fresh at first, begins to sound cliched near the end. He plays little contrast but he cannot seem to hold back his cheerful energy, which comes through in his playing vigor and the grin on his face. And he always finds his way back to some spicy rhythm to get your feet tapping and your blood pumping.

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Date: October 18, 1989
Time: 7:00 PM — 9:00 PM
Place: Room 4-163

INTERVIEWING October 19-20, 1989

*All candidates must attend Information Meeting

Schlumberger
Punk not dead ten years later; PiL’s Lydon brash as ever

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Sinfonova Chamber Orchestra
$48 Subscriptions for Only $12!

January’s program is highlighted by a performance of the Haydn Cello Concerto by Soviet cellist Suren Bagradouni, who made a big impact during the Soviet-US Exchange Festival held in Boston last year. His tone is fabulous, his interpretation subtle. In another Soviet virtuoso — Vladimir Krainev — will be in town to play works by Schnittke and Schnittke.

Sinfonova won two awards last season, so we hope you’ll subscribe for a new season which will be at least equally enthralling. The MIT subscription price is only $12 for a subscription normally priced at $48. For orders of 10 subscriptions or more on one form, the price is $11 per subscription — ideal for living groups.

Please send your subscription form and check made payable to “Sinfonova” for $12 per subscription ($11 each for 10 or more subscriptions) to Jonathan Richmond at MIT Room 1-090, indicating your MIT affiliation (undergraduate student, graduate student, faculty or staff).

Subscription forms are available at The Tech and Technology Community Association and the first floor information desk in the Student Center, in the Music Library, and from the Wiesner Building, Room E15-205.

On Campus

Time — 10am - 3pm
Place — Lobby 13
Date — Thursday, October 26, 1989

INFORMAL MEETING WITH IBM RECRUITERS.
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Senior Communications Engineer

This individual will be responsible for developing and/or integrating all communications software and interface mechanisms to foreign systems into the retail product line. Will work with TCP/IP networks, token ring networks, IBM SNA interfaces, 3270 communications, as well as other asynchronous communications protocols. Will also be responsible for all SUNLink product integration. Will determine requirements, specify functionality, architectural design, implementation, testing, and release. Some travel is required.

Our requirements are: BS or MS in Computer Science, Math, or other engineering discipline. 6-7 years experience in software development and design 3-4 years communications experience. Knowledge of SUNLink, SNA, TCP/IP, 802.3, 802.5 required. Knowledge of C and Unix required. Must be able to work as part of a team.

Software Engineer

This individual will be responsible for functional and design specification, implementation and maintenance of parts of the internal software of our Breeze display-ad composition workstation. Will master the imaging portion of the workstation and will add features to the user interface and page model data structure. Will also participate in a design team designing technologies in our SuperSetter pre-press layout and proofing system.

We require 2-5 years of related experience, strong skills in data structure analysis and design, excellent documentation and communication skills. Knowledge of C language is necessary and UNIX or SUN workstation experience is desirable. Experience in graphics or imaging applications is preferred.

Engineer Tester

Under the supervision of the Release Engineering Manager, you will write and execute test plans in all aspects of newspaper publishing software. Platforms include Sun and proprietary hardware. Additional duties will include analysis and reporting of bugs, loading new software, and configuring input and output devices. This person will also serve as an Alpha Site Coordinator and will travel about 20% of the time to our customer sites.

A minimum of 1-2 years of software quality assurance experience is required. Knowledge of UNIX, C and either the graphic arts or publishing industry is preferred. A bachelor's degree or the equivalent is necessary.

If you are interested in applying for one of these positions, please mail your resume to:

Carolyn White-Krueger
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**ARTS**

**ON THE TOWN**

**Compiled by Peter Dunn**

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**CONTEMPORARY MUSIC**

Tickets and information are for shows and can be ordered by phone at 939-1999.

**The God Bows and Warholes perform at 7:30 at Bowdoin Hall, Old South Church, South Street, Boston, Massachusetts. Performance may be repeated at 9:30. Telephone: 872-7214.**

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**ONGOING THEATER**

**Of Gods and Teams**

A play about the politics of the modern world. Scheduled for performances at 8 pm. Performances are Thursdays at 8 pm and Saturdays at 2 pm.

**The Institute of Contemporary Art continues its series Tuesday-Saturday at 8 pm with matinees Thursday and Saturday at 2 pm. Tickets: $20 to $45. Telephone: 262-3105.**

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**Friday, October 13**

1. **The Brattle Theatre continues its Tuesday series with the double feature of "Kamikaze Hearts" (1986) and "Midnight Run." Performances are Thursday at 8 pm and Saturday at 3 pm. Tickets: $25 to $35. Telephone: 969-9500.

2. **The Institute of Contemporary Art continues its Tuesday series with the double feature of "Kamikaze Hearts" (1986) and "Midnight Run." Performances are Thursday at 8 pm and Saturday at 3 pm. Tickets: $25 to $35. Telephone: 969-9500.

3. **The Institute of Contemporary Art continues its Tuesday series with the double feature of "Kamikaze Hearts" (1986) and "Midnight Run." Performances are Thursday at 8 pm and Saturday at 3 pm. Tickets: $25 to $35. Telephone: 969-9500.

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**Rivals, Steak and Motels**

A play about the history of the United States. Performances are Tuesday at 8 pm and Saturday at 3 pm. Tickets: $16 and $19. Telephone: 423-4509.

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**The Night of the Iguana**

A play about the life of a man in a small Mexican town. Performances are Thursday at 8 pm and Saturday at 5:30 pm. Tickets: $25 to $35. Telephone: 762-8600.

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**Steel Magnolias**

A play about the lives of several women in a small Louisiana town. Performances are Tuesday at 8 pm and Thursday at 8:00 pm; Saturday at 5:00 pm and Sunday at 2:00 pm. Tickets: $20 to $25. Telephone: 762-8600.

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**Ongoing Exhibits**

**ON CAMPUS**

**To the Limit through Computers**

The Department of Art and the College of Fine Arts continue their series of exhibitions through November 10 at the MIT Visual Arts Center, 200 Massachusetts Avenue. Performances are on Tuesdays at 10 am, Wednesdays at 11 am, Thursdays at 12 pm, Fridays at 1 pm, and Saturdays at 10 am. Tickets: $5 to $10.

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**UPCOMING EVENTS**

**The Museum of Fine Arts, Boston, continues its series of exhibitions through November 10 at the Museum of Fine Arts, 950 Commonwealth Avenue, Boston. Performances are on Tuesdays at 10 am, Wednesdays at 11 am, Thursdays at 12 pm, Fridays at 1 pm, and Saturdays at 10 am. Tickets: $5 to $10.**

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**February 1st, '89 20**

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You should consider employment at MIL 3, Inc., a pioneer in computer-aided engineering systems for the telecommunications industry. We are currently seeking software engineers and technical communications specialists who are graduating in December. Sign up for interviews at the MIT Career Office.
Microsoft Technical Presentation

Don MacLaren
Lead Software Design Engineer,
Advanced Compiler Development
“Compiler Architecture and Optimization Technology for RISC Microprocessors”

Thursday, October 19
Room 4-270
4:30 pm
Refreshments following.
classified advertising

Classified Advertising in The Tech: $15.00 per insertion for each 35 words or less. Must be prepaid, with complete name, address, and phone number. The Tech, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

Sexually Transmitted Disease
Confidential testing and treatment of STD's and AIDS. Also general medical care. Private office. Robert Taylor, M.D., 1755 Beacon Street, Brookline, 233-1439.

Car for Sale
Chevy Malibu '76, automatic transmission, power steering, a/c. 125K miles. REMOTE STARTER, new tires. Selling for $450. Call 547-2245 and leave message.

Campus Reps Needed
Earn big commissions and free trips by selling Nassau/Paradise Island, Cancun, Mexico, Jamaica & Ski trips to Vermont & Colorado. For more information call toll free 1-800-344-8360 or in CT 203-967-3330.

Is It True You Can Buy Jeeps for $44 through the US Government? Get the facts today! Call 1-312-742-7142, Ext. 5895.

Hatchback for Sale
Renault Encore Hatchback '84, automatic, good condition, 1 owner, new brakes, muffler/radio/tape, Chapman, front wheel drive, fuel injected, catalytic converter shot, all records intact, $11000 o.b. Call Bonnie x3-7838, 646-4670.

Campus Representatives needed for 'Spring Break 90' programs to Mexico/Bahamas/Florida & S. Padre Island - Earn Free Vacation Plus $$$.

Guitar Lessons
Play better, learn faster, understand music. Experienced professional musician and former Berklee tutor offering instruction in Blues, Jazz, Folk, Rock, and other styles. Focus on musical and technical skills. Call Brian-Goog at 661-8764.

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Kimberly-Clark will be holding on campus interviews WEDNESDAY, OCTOBER 25, 1989 at the Career Placement Office. Discover your future at Kimberly-Clark.

Notice: The Tech is an equal opportunity employer.
Attention Juniors and Seniors!

Mobay representatives will be on campus:

- Presentation (10/23) 4:30-6:30 p.m., Room 8-105
- Interview (10/24) in Careers Office
- Opportunities for Engineers and Chemists in:
  - Process/Project Engineering
  - Process Control
  - Application/Development
  - Technical Marketing/Sales
  - 1990 Summer Jobs in West Germany (includes travel, housing and salary)

Monday, October 16
11:00 am - 5:00 pm
Sala de Puerto Rico

Company representatives will be present to answer questions, distribute literature, and discuss interview scheduling information. All are invited.

BOOZ·ALLEN & HAMILTON INC.

Invites You To An Overview Presentation

“The Research Associate’s Role In Management Consulting”

Monday, October 16, 1989
4:30 p.m.
Room 4-159

Reception to follow
Do you have what it takes to do something great?

If you do, you belong at Visix Software.

We offer you the chance of a lifetime. We’re a young, well-funded company that builds advanced application software for high-performance workstations.

We place tremendous value on your overall desire to learn and ability to adapt. Our work combines an advanced approach to software design with some of the best engineering talent. As a result, we build applications that are sophisticated, intuitive and blindingly fast.

We’re looking for software engineers with drive, determination, and skill. The kind of engineers who would like to take part in building the next-generation software company.

If you have experience in some of these areas, we’d like to talk to you:

- High-performance graphics algorithms
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- Distributed software

Knowledge of the following is very helpful:

- C
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- UNIX workstations
- NeXT
- Macintosh
- MACH
- UNIX
- The X Window System
- PostScript
- TCP/IP

If you think you have what it takes, we invite you to sign up on our recruiting schedule—we’ll be at MIT on Monday, October 23, 1989.

For immediate consideration, contact:

Sheri Winter
Visix Software Inc.
P.O. Box 12547
Arlington, VA 22209
Fax: 703.276.3297
visix!sheri@uunet.uu.net
You worked hard to get into the right college.

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Come talk with our technical leads — that is, if you’re interested in advanced computer technology, multimedia, developing sophisticated operating systems and networks, powerful applications, state-of-the-art programming languages and more.

Saturday, October 21
12:00 pm - 5:00 pm
La Sala de Puerto Rico,
MIT Student Union

Positions available include Software Design Engineers and Program Managers. We will be interviewing on-campus November 3. See your Career Center for more details.

Bachelor’s, Master’s and PhD candidates welcome.
**FedEx**

So, how are the Claudelit dinner's working out, Monsieur? Puf?

Oh, they're okay, but the wax keeps dripping in the food.

...What?

Hey, what's this weird cheese, sauce in my ow!

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**Classified Advertising**

Classified Advertising in The Tech: $5.00 per insertion for 36 words or less. Must be prepaid with complete name, address and phone number. The Tech, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

New and Used Sofas, $50-250; Desks $25-150; Bedroom sets $25-399; Bureau $10-89; Kitchen tables $15-175; Chairs $10-60; Bookcases $10-85; Refrigerators, washers & dryers $90-150. Call 524-1000.

National Marketing Firm seeks mature student to manage on-campus promotions for top companies this school year. Flexible hours with earnings potential to $2,500 per semester. Must be organized, hard-working, and money motivated. Call Elizabeth or Myra at (800) 592-2121.

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Eating Right is highly logical.

- Recommendations: Eat higher-fiber foods, such as fruits, vegetables, and whole grain products. Eat fewer high-fat foods. Maintain normal body weight. And live long and prosper.

Call The American Cancer Society at 1-800-ACS-2345 for free information.

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Sept. 1, 1989

What does it take to create a 40 GHz oscilloscope? People dedicated to customers and a company dedicated to people. The 11800 Series of products is just one example of how Tektronix enables talented people to deliver solutions that give our customers a visible edge.

On October 17th and 18th, Tek engineers will be on campus interviewing for Electrical Engineers who are interested in becoming a part of the team that is producing the best in Test and Measurement products. Come and talk to us at the Career Planning and Placement Office, and we can show you how Tek can give your career a visible edge, too.

We are an equal opportunity employer m/f/h.
A Golden Opportunity To Save!

Jostens' Ring Days
At The MIT Coop
Oct. 16-18, 11AM-4PM

$75 off 18k
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What a great way to realize substantial savings on your class ring. Just order it during our special Ring Days. MIT school rings are available for undergraduate students, graduate students and alumni.

Lifetime Golden Warranty

- Resize your ring at any time FREE
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Casual dining and fresh seafood at its best.

Nightly student specials make this a favorite spot.

Tuesday Night  Student Night
Full meal deal-get a complete meal including beverage for $9.95

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Choice of pastas and sauces plus garlic bread and Italian ice for $5.95

Friday Night  T.G.I.F
Order any three appetizers, get the fourth free from 3pm 'til 11 pm

Choose from a wide selection of appetizers, salads, and special Student Selections each evening.

Service Hours
11:30-9:00 Mon-Thurs
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WE WANT IT ALL!!!

World Development And The Environment.

DR. MOSTAFA TOLBA  Executive Director
United Nations Environmental Program.
Tuesday, October 17   4:30 PM
Room 9–150

Sponsored by The Technology and Culture Seminar at MIT.
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Meet All The Right Types With Smith Corona!

SAVE $20
A. Smith Corona XL 1500 Typewriter.
Its compact and lightweight. Comes with WordEraser®, full line correction, auto return and auto center.
Reg. $159.95 SALE $139.95

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Among its many advantages are Spell-Right® 50,000 Word Electronic Dictionary, 16 character display, battery back-up and bidirectional print. Reg. $199.95 SALE $179.95

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C. Smith Corona PW87000 LT Laptop Word Processor.
With 16 line by 80 character display, 50,000 character internal memory, built-in disk drive, Grammar-Right System™, Spell-Right® 90,000 word dictionary, and many other features. Reg. $749.95 SALE $669.95

The Last Word In Computers From Toshiba!

D. Toshiba T1200 HB Portable Personal Computer.
Lightweight and compact, this battery powered PC includes MS-DOS® 3.3. It features 1MB memory, one built-in 20MB hard disk and one 720KB 3 1/2" diskette drive and backlit supertwist LCD. It runs on a removable, rechargeable battery pack or AC adapter. $1899

E. Toshiba T1600 Portable Personal Computer.
Meet Toshiba's most powerful battery-powered PC. It delivers desktop capabilities in a versatile go-anywhere computer. With 12MHz 80C286 microprocessor, 1.44MB 3 1/2" diskette drive, 1MB memory expandable to 5MB and backlit supertwist EGA LCD display. Includes MS-DOS® 3.3.$3175
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Work Smarter With Lotus Software!

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A disaster like Hurricane Hugo isn't over when the emergency teams leave. Families struck by disaster need food, clothing, and shelter. Tomorrow they'll start rebuilding their lives. And that takes months. The good news is that the Red Cross will help those families every step of the way. No matter how long it takes. If you ever need the Red Cross, you can bet we'll be there.

Please send a contribution and the attached coupon to the American Red Cross. Do it today.

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Hurricane Hugo Relief Fund

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When you help us, you help everyone!

American Red Cross

The Investment Banking Division of

Goldman, Sachs & Co.

cordially invites the students of the Massachusetts Institute of Technology to an information session on careers in investment banking.

Thursday, October 26, 1989

Room 4-159
7:00 p.m.

Refreshments will be served

Goldman Sachs
O'CONNOR & ASSOCIATES
LEADER IN THE OPTIONS AND FUTURES MARKETPLACE

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EXPLORE OUR OPTIONS!

O'Connor & Associates is a private international risk management trading firm. Our intense, fast-paced and innovative securities trading environment gives talented individuals the opportunity to assume early responsibility and to shape their own future. We seek exceptional people with quantitative, analytical and problem-solving abilities to join our team.

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MONDAY
OCTOBER 23, 1989
5:00-7:00 PM
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To be continued...
I'm Jim.

This is the journal of my day-to-day life.

Today I went to class. It was okay.

I came home and watched TV even though I didn't feel like it.

Then I ordered a pizza and it really hit the spot.

Last night my roommate Tony stumbled in at about 2 am.

He threw up and then passed out.

This morning he got up and told me this is what Hell would be like.

He also said he had a pretty good time.

My other roommate Steve was watching Good Morning America and eating Fruit Loops right out of the box.

I got up early again today.

I was about to leave for class when Tony woke up.

Steve was watching Good Morning America and eating Fruit Loops right out of the box.

"How can you eat those without milk?" Tony asked.
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Announcing the opening of the new UPS Facility in Watertown!

UPS now has immediate openings in our newly-created 4am package handling shift (approx.) in Somerville. You'll receive phenomenal pay and benefits:

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- 8-9 PER HOUR TO START!
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**Meet and socialize with AIChE Student Chapter**

**Evening of October 17**

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Major Locations: Michigan, Texas, Louisiana, California, Ohio

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**What are English, Poli Sci and Chem majors doing on Wall Street?**

They’re being challenged as never before. And they’re making a real contribution as analysts at Prudential-Bache Capital Funding, where academic achievers from many disciplines find rewarding roles in global investment and merchant banking.

Join us for a discussion of our 1989 Analyst program, Thursday, October 19th, 6:30 PM

Room 4-370

Reception to follow.

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Briarcliff Manor, New York

If you’re undecided about what career step you should take—
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**Philips Laboratories** is the research division of North American Philips Corporation. Located less than 1 hour from New York City, we offer qualified Scientists who have a B.S., M.S. or Ph.D. a challenging Engineering and Scientific environment.

We are a part of North American Philips Corporation, a Fortune 100 Company with annual sales of about $6 billion. You may know of us from our extensive product line of consumer electronics, electronic components and scientific and professional equipment, including medical instrumentation and lighting systems. Affiliated with the worldwide Philips family of research laboratories, our Briarcliff Manor Lab works with our European research facilities in London, Paris, Aachen, Hamburg, Brussels and Eindhoven, The Netherlands in bringing the newest technologies to the home, business, classroom and scientific and medical communities.


In addition to the challenge and intellectual stimulation you’ll find with us, we can offer highly competitive salaries, excellent benefits and a truly people-oriented management which enhance your personal and professional growth.

We invite your inquiry. Please direct your resume to: Human Resources, College Recruitment, PHILIPS LABORATORIES, 345 Scarborough Road, Briarcliff Manor, NY 10510.

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**INFO SESSION 10/17 INTERVIEWS 10/18**

Contact Placement Office for details.

North American Philips Corporation
Women's crew team places well at regattas

By Becky Dumas and Laura Opasnick

The women's crew team rowed in two regattas over Columbus Day weekend.

On Saturday the varsity placed second behind host Mount Holyoke in both the morning heat and the afternoon final. The morning race was a 2.5 mile head race. The top four boats would race in the afternoon final. MIT defeated Williams, UMass, and Simmons to easily make the final.

In the afternoon race, a 1500 meter sprint, MIT was quick off the line and led Mount Holyoke by two seats with 500 m gone. Nobody left the field when a UMB field goal fell short and the line and led Mount Holyoke and Williams in the final.

Three novice eights rowed in their first race in mixed boats. The novices finished eighth, 11th, and 12th out of 18 boats.

At the Head of the Connecticut on Sunday, an eight of Sigmund, Damus, Opasnick, Abbott, Beecroft, and Watanabe finished 32nd out of 36 boats. MIT's time for the 3.5 mile course was 20:16.54 compared to a winning Dartmouth time of 19:24.70. MIT had tough time passing two Smith boats midway through the race. In head races, crews being overtaken were supposed to give way to a passing boat. In this case, Smith was acting more like a blocker, not allowing MIT to pass. Finally, MIT squeezed between both boats and quickly moved through. MIT's lightweight four of Yap, Beecroft, Sigmund, Bowen, and Cynthia Holcroft '92 finished tenth out of thirteen boats. Their time was 22:34.59. The largest rowing regatta in the country, the Head of the Charles, is the next big event for the crew team on Oct. 25.

(Continued from page 28)

MIT Beavers play UMass

Beacons to a 14-14 tie

The game officially ended when a UMB field goal fell short of its mark. Nobody left the field for the next five minutes as the bungling officials tried to decide whether overtime was to be played. In UMB's conference, the New England Football Conference, overtime is permitted, in MIT's conference, the Eastern Collegiate Football Conference, there are no rules as to whether an overtime period should or should not take place. Logically, then, the officials said there was to be no overtime, and the game ended as such.

MIT will play at Stonehill this weekend. The Beavers trashed the Chieftans 45-13 in the season opener and have shown signs of improvement since then. Look for MIT to remain undefeated.

Coupun

Two For One

Buy a cup of chowder, get the second one free!

Networks
84 Mass. Ave.

Cannot be combined with other offers
Expires 12/20/89
By Shawn Mastrian

The good news from last Saturday's football game was that MIT extended its unbeaten streak to three games. The bad news was that the Beavers had to do this by settling for a 14-14 tie at University of Massachusetts at Boston, a team they should have beaten.

The game started with MIT winning the coin toss and receiving the opening kickoff. Ominously, Jeff Drbohlav '90 muffed this kick, but Doug Smith '93 was able to recover, allowing the Beavers to have the opening possession. This, however, proved unimportant as the offense gained only one first down and was forced to punt.

The defense, upon yielding a punt that was returned past midfield, stanched the ensuing Boston drive with a fourth down stop. Again the defense was forced to punt.

Shane LaHousse '90 searched for an opening against the UMass-Boston defense. MIT and UMass played to a 14-14 tie.

The offense then put together a small drive of their own, netting 16 yards. This should have been much less, however, as Art Wasch-Boston fumbled the ball on the first two plays, and then Garrett Moose '91 punished several UMB defenders as he charged for even more. With the defense now afraid of the offense, the UMB quarterback threw an interception, giving MIT a 7-0 lead.

After the kickoff, the Beavers returned to the passing attack, and once again failed to move the ball. The next MIT series was exciting, in that one exuberant MIT supporter and the score-keeping referees engaged in a shouting match (which nearly turned physical) over the previous bumpy calls. On the field, the defense held the Beavers to eight yards on three plays, forcing a punt.

The next two MIT and UMB series were both identical to these, except MIT did manage one first down over this span. The offense finally found the correct pass play, and soon the two Moonee runs gave MIT a first down, and a catch by Dan Berkery '91 gave them another. Two chop-shot personal fouls also helped the Beavers to move the ball down the field, along with two LaHousse runs. On first-and-goal from the one, with only 15 seconds left in the half, Moose rammed it home behind a solid offensive line surge. The extra point gave MIT a 14-6 lead, which stood until halftime.

The second half turned out, not surprisingly, to be very much like the first. Whenever MIT ran the ball first and passed second, the Beavers moved the ball well. Whenever passes came first, however, the UMB defenders would sit back, ignore the run, and stop the Beavers. On defense, the trend continued as well. When UMB touched the ball, they were stopped.

The exception to this rule was the scoring drive. The Beacons managed a 40-yard pass on the first play of this drive, and pushed the ball downhill. The key play here was once again made by the UMB players wearing the striped shirts as a personal foul moved the ball downhill only 15 yards when the Beacons seemed stopped. From here, a desperation pass found the arms of a UMB receiver, and the Beavers were within 14-12.

On the two point conversion, the UMB runner fumbled his way across the goal line by the slimmest of margins, resulting in the final score.

(Please turn to page 27)