Minority concerns discussed

By Miguel Camillo

Although the number of under-represented minority students in the freshmen class has risen this year, a lack of minority students still need to be studied. At the committee's afternoon session, the relationship between the Campus Police and minorities, minority faculty attrition, and performance of minority students were discussed.

The committee also discussed how the changing demographics of the MIT student body has affected the housing situation on campus.

Patricia Kauroma, head of the Office for Minority Education, told the committee — which meets periodically to review student issues and the work of the Dean's Office — that there has been a substantial improvement in the minority environment on campus in recent years. Sources for minority recruitment have been increased and some more minority faculty have been added. Kauroma noted. Also, brochures and films on racism have been included, and the number of minority students active in the IIG program has increased.

By Irene C. Kuo

The International Issues Group has called on MIT to do a better job of supporting its international graduate students. General recommendations include development of strategies to overcome language barriers, increased attendance with housing, continuation of orientation throughout the year, creation of a more hospitable environment, and examination of the formal support structure. The recommendations — included in an interim report of the IIG to the MIT Corporation Visiting Committee on Student Affairs — were based on a series of interviews with department representatives and a questionnaire distributed to a sample of international and American graduate students last February. IIG has not analyzed the results of a similar survey it gave to undergraduate students.

Forty-four percent of the international graduate students surveyed expressed difficulties with English. These difficulties hindered their academic work and placed barriers between themselves and American students, some claimed. Forty percent of the students with language problems felt that the English as a Second Language classes they had taken had not been suitable for large class sizes, incorrect placement, lack of opportunity to practice speaking skills, and intense academic workload.

In response to these concerns, IIG recommended that language standards be re-examined, programs to help students with language problems be improved, and performance of students with poor language skills be monitored. "It may be necessary for the minimum Institute requirement [for the Test of English as a Foreign Language] to be raised," IIG recommended that department designate a staff member to assist international students with finding temporary housing and that more on-campus permanent housing be developed.

Approximately three-quarters of the students questioned felt that the information that they received from the Institute before arrival was not useful. Although MIT has made a special effort to recruit minority graduate students, but has not attracted that many. Kauroma attributed this, in part, to a lack of minority students interested in graduate studies, and a lack of follow-up. Assistant Dean for Student Affairs Marilyn Braithwaite said that the ODA met with incoming graduate students 1987 and 1988, and with the Campus Police twice this year. Both groups were interested in ways to improve the racial atmosphere at MIT, Braithwaite said. "In fact, the issue was perceived by these groups as so fundamental that there would be several follow-ups," Braithwaite said.

There is some difference between the minority performance of minority students and that of non-minority students in these studies, according to [Director of Admissions Michael C. Beko]. He noted that 90 percent of the incoming class graduates in a 7-year average, only 75 percent of minorities graduate. Beko explained that the statistics indicate that the Admissions Office uses are not as good a predictor of success as SAT scores.
By Paula Massey

Today, Massachusetts voters will decide whether or not to shut down the Commonwealth’s nuclear power plants.

If the ‘Yes’ side wins on ballot Question 4, Yankee Rowe and Pilgrim nuclear power plants will be shut down permanently on July 4, 1989 — pending possible legal challenges from the utility owners.

Proponents of Question 4 claim that the two nuclear power plants are unsafe, too expensive to operate, and easy to replace in terms of the amount of power they generate. In addition, there is no safe long-term disposal method for nuclear waste, which remains radioactive for thousands of years, supporters of the referendum claim.

Opponents argue that the shutdowns would cause electricity shortages in New England, increase the state’s dependence on foreign oil, and hurt the “green" tax benefit, and cost taxpayers anywhere from $2 billion to $34 billion to make up for the shutdowns. Opponents of Question 4 claim nuclear power is a relatively safe and efficient energy source.

The Vote No On Four Campaign, which opposes Question 4, has spent $7.2 million on its campaign against the proposed shutdown. Massachusetts Citizens for Safe Energy, a group that supports the referendum on the ballot, has raised about $275 million — five percent of the pro-nuclear group’s budget — for its campaign to close down the plants, according to a Nov. 2 Boston Globe article.

The Vote No On 4 Campaign committee, which includes MIT President Paul E. Gray, ’54, Provost John M. Denton, ’61, Dean of Humanities Social Science Area A. F. Friedlander PhD ’64, Dean of Science Gene M. Brown, Dean of the Sloan School of Management Lester C. Tower, and many MIT professors, Governor Michael Dukakis also opposes the proposition.

The Pilgrim plant, located 32 miles southeast of Boston in Plymouth, is one of the least-safe and worst-run nuclear power plants in the country, according to Lisa Greber ’87, spokesperson for the Vote No On 4 Campaign. Pilgrim has an outdated and weak containment shell "which has a 90 percent chance of containing a meltdown," according to Greber.

A serious accident could kill 500 people immediately, and another 23,000 residents could die years later of cancer caused by high levels of radiation exposure, according to statistics from Citizens for Safe Energy, which collected over 90,000 signatures to put the referendum on today’s ballot.

Opponents of the referendum claim anti-nuclear activists exaggerate the risks of nuclear power. Professor Kevin K. Kuh, who heads the Department of Nuclear Engineering, says there is "one chance in a billion years" that a nuclear reaction of the magnitude capable of killing 3,000 people near the Pilgrim plant would occur. "What I disagree with is {that} they {Citizens for Safe Energy} pick the worst-case scenario and will talk about nothing saying it’s the worst-case,” said Kuh.

Hansen said in an interview last week.

If a core meltdown happens at a US nuclear power plant in the country, according to Lisa Greber ’87, spokesperson for the Vote No On 4 Campaign, there is only a one in a thousand chance that “enough radiation would be released to harm a human member of the public.” The containment shell would stop the radiation resulting from a meltdown from leaking out, he said. A meltdown is an unexpected, seriously hazardous event that may occur when the reactor becomes so hot it melts.

According to Kuh, Pilgrim’s containment shield would contain a meltdown since the reactor core is covered by graphite and a concrete vault, unlike other reactors in the US that have had meltdowns.

As an accident like the 1979 meltdown in Chernobyl is not likely to happen in the United States, according to Hansen, because "the reactor design was outdated and did not have a viable containment structure," the Chernobyl reactor, made of graphite, burned for 9 days before the core was put out. "It would never have been licensed in the US," Hansen said, explaining that reactors in the US are made of light water, which would not burn.

Many people have been killed from hydroelectric power — from dams bursting — but "no one thinks of hydroelectric power as dangerous." Dam failures kill literally thousands of people worldwide per year, according to Hansen.

Serious nuclear accidents happen, Citizens for Safe Energy claim that accidental radiation from nuclear plants pose a risk to workers and nearby residents. Radiation leaks from the mid-1970’s from Pilgrim may have caused a higher rate of leukemia near the Pilgrim reactor. The Massachusetts Department of Public Health has found 76 percent higher rates of leukemia in men living near the Pilgrim plant in the areas including Plymouth, Duxbury and Marshfield, Greber said.

Green Building

Hansen also disputed this statistic, stating that the DPH found higher rates of leukemia near Plymouth in the late 1960s and early 1970s, before the reactor was shut down. "We have only 1000 people worldwide per year, according to Hansen.

Furthermore, Hansen said that serious nuclear accidents do happen, Citizens for Safe Energy claim that accidental radiation from nuclear plants pose a risk to workers and nearby residents. Radiation leaks from the mid-1970’s from Pilgrim may have caused a higher rate of leukemia near the Pilgrim reactor. The Massachusetts Department of Public Health has found 76 percent higher rates of leukemia in men living near the Pilgrim plant in the areas including Plymouth, Duxbury and Marshfield, Greber said.

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However, these renovations were done as "singular events, not part of a strategy of an aging project," MacVicar said. She would like to see a permanent commitment on the part of MIT to up-grading its classrooms.

One unique aspect of the 6-120 renovations is that it was done with a lot of input of MIT faculty according to MacVicar. The final design and equipment selection, better blackboard style, and a better arrangement of seating in classrooms were discussed in-depth between faculty and administration. So, "both sides of MIT" participated in this process, MacVicar said.

MacVicar has received infor-
Solidarity threatens strike
Solidarity leaders are threatening broad protests if the Polish government makes good on its promise to shut down the Lenin shipyard. The labor federation's executive commission said it might have to call for strikes if the shipyard in Gdansk, where Solidarity was born, is shut down. The government said it will close the yard next month because it is not making money.

600 reportedly die in China quake
Two Chinese radio stations reported yesterday that an earthquake near the Burunei border has killed about 600 people. Telephones service to the remote and mountainous region have been cut off, so the death toll could not be confirmed independently. Roads to the region are impassable, but the government has ordered an airlift of food.

US vote won't affect Sandinistas, officials say
No matter which candidate wins today's US presidential election, the Sandinista government of Nicaragua does not plan to change its policies. That is according to Nicaragua's former ambassador to the United States, Carlos Tunnerman. In an article published in the Sandinista's official newspaper, Tunnerman said Bush could be susceptible to conservative lobbying for more aid to the contras. He said Dukakis would not be able to immediately reverse Reagan Administration policies.

Philippines reels from storm
The Philippines are reeling under the 100-plus mile-an-hour winds of typhoon Bopha. The storm is considered one of the worst in this region since the 1978 floods that killed 2,000 people. Bopha killed at least 40 people and 27,000 were made homeless.

Soviets mark revolution anniversary
A procession of tanks and surface-to-surface missiles rolled through Red Square yesterday as the Soviet Union celebrated the 71st anniversary of the Bolshevik Revolution. But other events -- such as the public executions of Politburo members, and slogans warning the public to beware of capitalist aggression. One float even portrayed the United States as a plaguebearing gangster. One flow even portrayed the United States as a plague-bearing gangster. One float even portrayed the United States as a plaguebearing gangster. One float even portrayed the United States as a plague-bearing gangster. One float even portrayed the United States as a plague-bearing gangster. One float even portrayed the United States as a plague-bearing gangster.

Rebels attack Kabul
The official Soviet news agency Tass said rebels fired three rockets into Kabul, the capital of Afghanistan, on Sunday. The rebels were reported to have killed at least 60 people, including women and children.

Campaign

Israel strikes in south Lebanon
Lebanese police said Israeli helicopter gunships rocker-
shop in southern Lebanon suspected of to PLO guerrillas.
The Israeli military said the targets was a Palestinian missile site used to launch att-
tacks on Israeli. Authorites in Sidon said five people were wounded in the attack.

India quashes Maldives attack
Indian authorities said three have captured 60 crewmen-
ates at sea who tried to overthrow the government of the Maldives. But officials said four of the 27 hostages have been held for two days after being captured in clashes across the occupied territories. Meanwhile, an Israeli newspaper reported that Prime Minister Yitzhak Shamir's conservative Likud bloc has a plan to end the Palestinian revolt by breaking up the refugee camps that have been at the center of the violence.

One more dies on West Bank
Israel troops fired on stone-throwing Arabs during a raid of a West Bank village Sunday. Authorities said a Palestinian was killed and 12 other people were wounded in clashes across the occupied territories. Meanwhile, an Israeli newspaper reported that Prime Minister Yitzhak Shamir's conservative Likud bloc has a plan to end the Palestinian revolt by breaking up the refugee camps that have been at the center of the violence.

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Concert about Hirohito increases
Emperor Hirohito's grandson has been summoned to the palace Sunday to control his intensified hemorrhaging. The 87-year-old emperor has been ill for more than a month.

South Africa official battles reporters
South African Foreign Minister Pik Botha never made it to dinner at Saturday night's Foreign Correspondent's Association dinner in Johannesburg. Following his speech, Botha engaged in a hostile question-and-answer session with reporters. He accused them of being superfi-
cial and not knowing anything about Africa. Botha walked out after saying African blacks do not want de-
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mocracy.
Do not vote for George Bush

If, when you go to the polls today, you're thinking of voting for George Bush, think again. The last time we had twelve years straight of laissez-faire Republican administrations, the country was in the back door, leaving him and the rest of us party-poopers with an unpaid bill of nearly two trillion dollars. Michael Dukakis, on the other hand, has his eyes wide open. Although he and his Massachusetts miracle have been knocking down a good portion of Reagan's expensive champagne in the form of huge DOD contracts, Mike appears to be able to handle his drink a bit better than Mr. Bush. Dukakis and Bentsen have repeatedly stated that "sweeping the cause" can only lead to disastrous and dangerous results. They advocate a major shift in spending priorities and a sacrifice of Reagan's monster debt.

In 1928 the American people had few indicators of an economic depression looming in their future when they voted in Herbert Hoover; they voted be- fore the devastating stock-market crash of October 1929. This time around, on the other hand, the indicators are flashing red: we've already been hit by the crash of '87, the deficit has doubled, the unemployment rate is soaring, and Loans and family farms are dropping like flies, steel-workers are flipping burgers, three mil- lion Americans live in the street and eat out of garbage cans, and economists everywhere (except George Bush's) are yelling "The sky is falling!"

A Bush victory today can only mean that there are quite a few party-poopers out there who will grudgingly clutch their champagne glasses and hope for just one more round, even though the band has long since departed. Or perhaps Americans have bought the Bush/Quayle message: "We're busy, we're happy." We believe they can live forever on a credit card and our creditors won't ever come knocking. The problem is that both Bush and Quayle are enslaved to the capitalist system. Just like recessions, unemployment, and inflation, depressions, minor and great, are part of the business cycle. Economists all know another major depression will come, it's just not pin- point exactly when or how great it will be.

Perhaps instead Americans have simply lost hope, and don't believe either candidate will make a difference, much of depression or growth, but that whoever gets elected will lead the country to no- where.

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Pro-choice tactics foolish

To the Editor:

America is a "free country" in the classic sense that citizens have the right to publicly express their opinions. It is unfortunate that at times some of us choose to exercise this right in a completely foolish and irresponsible manner. This was well represented by the collection of individuals brandishing coat hangers in Lobby 16 on Oct. 28.

This rag-tag, unorganized clan, whom one could hardly have missed during an infinite corridor stroll between 11 am and 1 pm, seems to have decided that if the pro-life group was going to the "white," then they were darned well going to say "black."

On Wednesday, Thursday, and Friday of last week, MIT Pro-Life was holding a Haloween Pumpkin sale in order to raise funds for its participation in the national Right-to-Life March on the Capitol in January. We at Pro-Life see this as a very constructive and civilized approach to communicating our conviction that life is sacred, and that a human being represents a life regardless of its stage of development.

In contrast, consider our dear friends who would probably refer to themselves as the pro-choice "activists." For those who missed it, they arrived on the scene with a group of "activists." For those who missed it, they arrived on the scene with a group of "white," then they were darned well going to say "black."

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To the Editor:

Following Demas Ahudum’s letter ("MIT should offer areas designated for smokers." Nov. 4) probing smoking areas for employees at MIT who choose to smoke, may I make an equally absurd suggestion, that the Institute provide drinking areas for employees who choose to drink on the job. Alcohol addiction and nicotine addiction are at or near the top of the list of public health problems. Alcoholism may or may not be a disease, but it is surely a life-threatening behavior disorder. Smoking is perhaps slightly less life-threatening than heavy drinking, but it is instantly annoying to nonsmokers. I wholeheartedly support MIT’s anti-smoking policy. Perhaps the cold weather will encourage more of our students and fellow workers who smoke to reconsider their self-destructive personal choice and stop smoking.

Eve Sullivan
Senior Editorial Assistant
Physics/Communications Office

MIT’s smoking policy protects non-smokers

To the Editor:

We are writing to express our concern over the recent public smoking displays by the group containing political statements opposing the Bush-Quayle Campaign. There are several things that MIT Pro-Life is not: 1) Abortion clinic bombers; 2) Exclusively Catholic; or 3) Associated with any political group or candidate. MIT Pro-Life is not tantamount to Pro-Bush (or Pro-Dukakis), and if these demonstrators had made any effort to find out about us, they would have known this.

Suggestion (from the heart): Why doesn’t the pro-choice constituency at MIT form an organized group, register with Campus Activities, and plan constructive, responsible means of educating people of your views? Is this too "conformist" a thing to ask? It would certainly be a step up from assembling a gang of terrors in a city, emptying all your closets of hangers, scribbling signs on the back of ISC schedules, and creating a scene for its own sake. Though our views are diametrically opposed to yours, we at Pro-Life fully respect your right to disagree with us as mature adults. This means to distribute literature and sponsor debates, not to make public fools of ourselves.

The pro-choice cause at MIT was not done any service by this display. Rather, it brought MIT Pro-Life, a legitimate and active organization (key word) some needed exposure. We thank you (again, from the heart). In addition, you have managed to throw your cause in the best possible light by the contrast of our methods, much obliged.

Chris R. Papineau ’90
Assistant Vice President
MIT Pro-Life

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MIT with a KENNEDY SCHOOL REPRESENTATIVE

DATE: NOVEMBER 17

TIME: 10:00 A.M. - 11:00 A.M.

PLACE: MIT, KENNEDY SCHOOL, BRICKMAN ROOM B-16, Room 101

For more information, contact:

Dr. Laurence Rosenzweig
The Director of the Office of Academic Affairs and External Relations
The Official Representative of...

The Hebrew University of Jerusalem

WILL BE ON CAMPUS

THURSDAY, NOV. 10

12:00 PM - 1:00 PM

IN Room 115

All interested students are invited to come to meet alumni and learn about study abroad

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All interested students are invited to come to meet alumni and learn about study abroad
Distinguished Lecturer

William Gates
Microsoft Corporation

"The Future Goals and Directions of Microsoft"

Tuesday, November 8, 1988
4:30 - 5:30 p.m.
Sloan School of Management
Bowen Hall, E51-329
Gov. Dukakis presenting a dishonest self-image

To the Editor:

We are writing in response to the letter submitted by Susan Bellam and Anu Vedantham ("Bush campaign tries to hide the truth," Nov. 4), in which it is Michael Dukakis, not George Bush, who has tried to hide the truth.

Dukakis would like us to believe that he is somehow responsible for the "Massachusetts Miracle." However, those of us who are residents of this state recall that Dukakis had nothing to do with it. In fact, the state's economic boom occurred in spite of Dukakis.

There were three causes of the "Massachusetts Miracle": 1) the strong national economy and the economic policies of President Reagan, specifically the Reagan tax cut; 2) Proposition 2 1/2; and 3) the surge in high-tech industry of Massachusetts. It is important to realize that Governor Dukakis opposed the first two and had nothing to do with the third. It was former Governor Ed King who limited spending and reduced the capital gains tax by 50 percent, thereby drawing the industry back into the state.

The claim that Dukakis has made 10 balance budgets is misleading, to say the least:
- The Dukakis operating deficit closed at $450 million for the fiscal year ending June 30.
- To mask the current deficit, Dukakis has attempted a fictitious cover-up, in one case attempting to drain $27 million from the state pension fund only to be stopped by his own party in a House vote of 166-33. And this occurred after his administration underfunded the state pensions by $1 billion to ease the deficit. Democratic State Representative Keve Blanchette accused Dukakis of "highway robbery" and "immorality."

Dukakis would like us to believe that he is a supporter of strong educational programs and child welfare. However:
- Dukakis drastically cut funds for the Metropolitan Council for Educational Opportunity, a program which brings 3500 inner-city black students to schools in the suburbs.
- Dukakis denied funds to a program which forces lead-paint removal from low-income homes, a program aimed at protecting small children from lead poisoning.
- And, of course, Dukakis is such a "humble" man, such a friend to the poor and oppressed. So how come:
- Dukakis has $2 million in trust funds from his "humble" parents?
- As late as 1986, a Dukakis trust fund invested $150,000 in companies doing business in South Africa. In 1983, he urged others to divest through signing legislation directing state pension funds. Does this sound slightly hypocritical to you?
- The number of homeless people in this state has increased by 80 percent, thanks to the Governor's "compulsory" closing of state mental hospitals as part of his attempt to balance the state budget.
- And of course there is the Dukakis forlorn program. But we must remember that the tragic Willie Horton case is not the exception: between 1972 and 1985, 11 first-degree murderers escaped while on furlough. These are just some of the many lies Dukakis has tried to cover up.

And now let us close by stating a few more facts. Reagan has drastically reduced unemployment and our taxes, thereby increasing the standard of living for the majority of Americans. Not the rich. The majority. In fact, Reagan has angered many wealthy people by passing legislation which greatly restricted the tax write-offs traditionally employed by the rich. Those of us who come from working-class families know that by lifting the burden of high taxes from the middle class, Reagan saved millions of struggling lower and middle-class families.

Furthermore, an lifetime residents of Massachusetts, we know when a President Dukakis would mean disaster. One has to wonder why the race is so close in this own state. Could it be that we are not the only ones who remember, and who know that a President Dukakis would mean disaster?

Lisa J. Porter '89
Lisa M. Robinson '89

"I wasn't rubbing it in-I just wanted Eddie to know the score of last night's game!"

Alex Sum-University of Washington-Class of 1990

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Based at our corporate headquarters on the San Francisco Peninsula, our newly formed General Systems Group (GSG) harnesses the R&D potential of the entire company, and will be instrumental in developing technology radical enough to push the computer industry into the next century.

Our GSG hiring managers are coming to M.I.T. on November 14th interviewing BS/MS/PhD-EE/CS candidates with the interest in the following areas. They will also be conducting interviews in the Boston area November 15th & 16th. To schedule an off-campus interview only, call either Lisa Bios or Sharron Buus no later than November 11th during business hours.

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We are looking forward to meeting you, but in the event that we don’t have the opportunity this time, please send a cover letter with resume to: University Relations, Department M.I.T., Mail Stop 46-65, Sun Microsystems, Inc., 2550 Garcia Avenue, Mountain View, CA 94043. An equal opportunity employer.*UNIX is a trademark of AT&T. The Sun Microsystems logo is a registered trademark of Sun Microsystems, Inc.

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"The Arrival of the Queen of Sheba" from Handel's Solomon is a work where brilliance of tone and clarity of execution are essential to give the piece drive. Neither were present in the Chamber Orchestra's performance, which was an essay in middle and confusion.

Things got worse, though, for the Siegfried Idyll by Wagner, given a very slugy, disjointed performance, which seemed to drag on interminably. The strings — thin and scratchy-sounding — seemed to be coordinated in any way.

There was, nevertheless, some good work from the wind section — flutes, oboes, clarinets and bassoons each shone like structure that almost saved it. Although the third movement, Einleitung und Allegro, offered hope of rescue with its short, quick notes recalling Mussorgsky's 'Ballet of the Chickens in Eggs'. The music relaxed suddenly, then tensed once again with nervous viola and cello. Yet the same cinematic quality of the first movement persisted, and the pizzicato ending seemed closer to the point of precariousness.

The Kreisler began innocently enough, with a low, striking cello line and bright, clear and flighty — was most welcome. Woolley's fluency was attractive and splendid; and, although the piece came from the angle of a Papageno rather than a Tamino, several passages of the Adagio non troppo were probably played with and in echoes of beauty.

The concert ended with a sharper account of Beethoven's Symphony No. 2. Tempi were on the fast side, but uneven, and the ensemble sound came across as both boomy and strained. The strings had particular trouble keeping up, and did not seem to be coordinated in any way.

Next night, Saturday night, didn't come anywhere near Vazquez' level of attainment. The Chamber Orchestra could have an important part to play in filling the gap that Vazquez left behind, allowing students who are not in the Symphony Orchestra to play together. But serious questions need to be asked about whether the agenda of the new ensemble should be: about what they should play and how they should prepare to do it, and, given tomorrow night's inevitable showing, about which conductor should lead them in this endeavor.

By DEBBY LEVINSON

From the soporific to the atonal Muir Quartet concert was painful

MUR STRING QUARTET

By DEBBY LEVINSON

We were slightly strained and the over-emoting strains of Kreisler's were pointed. It was not that the musicians were incompetent (far from it — all four members of the quartet are clearly accomplished technicians) so much as the pieces were truly abysmal. From the superfluous strains of Kreisler's Quartet in A Minor to the grating stenobatic strains of Bartok's Quartet No. 4, it became almost impossible to squeeze any enjoyment out of this painful performance.

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The MIT Chamber Orchestra

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Monday, November 14, 1988
Main Building, Room 4-149
7:00 p.m.
Muir & Thompson’s Mozart was
terrific, but too little, too late
(Continued from page 9)

the finale: Allegro moderato rolled
around, its continuous cello unison and
good chromatic scales were mere
teasers of what was to come in an otherwise
boring piece of inexcusable length (nearly
45 minutes). At a bow of the violin in Bar-
tok’s No. 4, unfortunately, the first move-
ment’s dark, atonal music was entirely too
gloomy and too quiet to be even remotely
effective. Over a sickly cello and viola, the
final movement, Allegro di moto con
delicacy of form and tone the Bar-
tok could not dream of approaching.

Prestissimo con sordino, with a
repeat of the second theme was
incredibly layered, with many
new ideas around, its ominous
cello- rumbles and
with repeating and repeating
from Thompson’s viola and
descending staccato scales that mimicked laughter, the
Andante was pleasantly relaxing. Min-
cetto was a standard minuet, but the
final movement, Allegro, was inventive
and challenging. Violinist Peter Zazofsky
should be complimented for his flawless
execution of some hellishly difficult
scales at breakneck speed.

Sadly, the terrific Mozart was far too lit-
tle too late. It was the only worthwhile

With MIT’s favorite son Marcus
Thompson assisting on viola on Mozart’s
Quartet in E flat, K. 464, the Muir String
Quartet found a chance to redeem them-
selves. They recovered with grace, deliver-
ing the first movement, Allegro di moto
with a delicacy of form and tone the Bar-
tok could not dream of approaching. Gen-
ter and balanced, this movement soared
above the overhanging first half of the pro-
gram. Allegro di moto was followed by
Andante, a musical love poem that was at
once controlled yet passionate, structured
yet still emotionally accessible. Layered
with repeating and overlaying refrains
from Thompson’s viola and descending
staccato scales that mimicked laughter, the
Andante was pleasantly relaxing. Min-
cetto was a standard minuet, but the final
movement, Allegro, was inventive and
challenging. Violinist Peter Zazofsky
should be complimented for his flawless
execution of some hellishly difficult
glos-
several of them without
falling into the traps of excess laid by the

Prestissimo con sordino, with a
time.

Some of the quieter spots were a little out
of tune. The

Bartok. Odd

No. 4.

some of the quieter spots were a little out
of tune. The

Bartok. Odd

No. 4.

steps forward the
good chromatic

No. 4.

steps forward the
good chromatic

No. 4.

steps forward the
good chromatic

No. 4.

steps forward the
good chromatic

No. 4.

steps forward the
good chromatic

No. 4.
Talk Radio is replete with bad acting and bungled cues

TALK RADIO
By Eric Bogosian.
Directed by Paul Dervis.
Alley Theatre, Cambridge.
Thursdays-Sundays, October 27-December 10.

BY MICHELLE PERRY

Talk Radio is a witty, contemporary play about the staff of WTLK, an all-talk radio station in Cleveland, Ohio. Unfortunately, the Alley Theatre’s production is burdened with bad acting and bungled cues, which detract from a strong lead performance by Charlie Broderick.

Most of the performance plays from center stage, where Barry Champlain (Broderick) occupies the broadcast booth. Champlain is host of “Night Talk,” a show where listeners call in to express views on whatever they feel like discussing. As this evening’s show progresses, Broderick gives the best performance of the evening. The obnoxious, ex-hippie-turned-conservative facade his character presents often cracks to reveal a man who is concerned about his listeners and the mixed-up world he shares with them. Coupled with a strong directional decision that allows to play directly to the audience during his monologues, Broderick saves an otherwise doomed production.

The supporting characters, who function as foils for Broderick’s character, give underdeveloped, nervous performances, with the exception of Patricia Madden as Linda MacArthur and George Saulnier III as Kent. Saulnier is particularly funny as a heavy metal worshiper who idolizes Champlain’s radio persona.

The Alley Theatre is an intimate house that does not lend itself to elaborately staged productions. The set for Talk Radio is accordingly simple: a center stage table and chair equipped with a microphone to represent a broadcast booth, a second, glassed in booth to the side from which listeners call in, and a second glass partition on the other side which set does not offer much to the play other than a table and chair in front for an engineering booth, and a table and chair on the other side which serve as an entry/exit point. Various objects (coffee machine, dart board, plastic plant, random tables and chairs) decorate the set, and a neon sign announces the call letters of the radio station — WTLK. The set does not offer much to the play other than places for actors to stand or sit while performing.

Do not expect much from the documentary portion of Rattle and Hum. The interviews, filmed in pebbly textured black and white, are too few and usually too brief to gain any real insight into the members of the most popular and successful band of the late eighties. Do, however, expect a lot from the concert footage. With up to eight cameras covering each concert, the film almost duplicates the energy and intensity of a live U2 performance seen from the best seat imaginable.

The next couple of performances will allow the cast to work on their lines and improve their cues. Unfortunately, it will take a monumental effort to improve the acting quality so that it warrants a $12 admission.

Movie duplicates the energy of a live U2 performance

U2: RATTLE AND HUM
Directed by Phil Joanou.
Starring U2.
At the Assembly Square and Sack Oleri.

BY MICHELLE P. PERRY

U2 did U2 decide to make a concert film/documentary to follow the phenomenal success of their 1987 album The Joshua Tree? Bassist Adam Clayton: “We just wanted to capture this period of the band.” What conceptual point of view did the band hope to achieve? Lead guitarist The Edge: “It’s a musical.”

At the Assembly Square and Sack Oleri.

The Investment Banking Division
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Wednesday, November 9, 1988
Room 4-163
7:30 p.m.

Refreshments will be served
Friends’ Doctor is riotously funny, musically inspired

THE DOCTOR OF ALCANTARA
By Julius Eichberg
Performed by The Friends of Dr. Burney, Charlotte Kaufman, Director.
Stage direction by Dennis Krauskopf.

By JONATHAN RICHMOND

Charlotte Kaufman is known as a careful researcher of the origins of English language musical theater, and her productions, — performed by the Friends of Dr. Burney — show a keen devotion to recreating the original performance, while telling the audience about the social climate at the time of composition. But make no mistake: the works she stages may be obscure, but they are invariably entertaining. The latest on offer, Julius Eichberg’s The Doctor of Alcantara, performed on Sunday afternoon at the Museum of Fine Arts, was, above all, riotously funny, while musically inspired as well as informed.

Eichberg was an immigrant violinist who arrived in America in 1857 at the age of 33. Only a few years later he settled in Boston, and worked on bringing musical theater to the city. The Doctor of Alcantara opened in 1862. Clearly the product of European operatic traditions, it is nonetheless something particularly American about the Doctor’s sentimental ballads, parler songs and melodrama.

The story concerns Isabella’s attempt to avoid the arranged marriage her mother has set up for her to a man she has never met. The mother has a keen hidden up her sleeves who she wishes to wed instead. Unknown to one and all, the object of her desires is an Italian who suddenly meets on a sandy landscape with her. Isabella turns out to be the same man her mother intended her to take, providing plenty of exasperation, laughter and guaranteed happy ending.

Kaufman’s production shines and teases, entertains and pleases, and works because of her appreciation of the need to emphasize something particularly American about a story that began in Europe. As it is, the Doctor of Alcantara, who is doing a riotously funny musical inspired as well as informed.

The Friends of Dr. Burney perform The Doctor of Alcantara.

Passion carries ‘60s debates into the 1980s

THE PASSION OF REMEMBRANCE

PLAYS FRIDAY, NOVEMBER 17 at 8 pm, BARTOS THEATER, WINNER BUILDING.
Sponsored by the Program in Women’s Studies.
Free admission.

By MANAVENDRA K. THAKUR

N EARLY A DECADE OF Thatcher rule in England has created a wave of well-known angry films by noted British film directors like Stephen Frears, Alex Cox, and Ken Loach. But another form of expression that has shown itself to be a keen hidden up her sleeves is that of women who wish to wed instead. Unknown to one and all, the object of her desires is an Italian who suddenly meets on a sandy landscape without knowing how they got there.

The Male Speaker reverts to the rhetoric of the 1960s to justify the Black Power movement and its accomplishments, but as forcefully, the Female Speaker points to the mistreatment of black women in that movement. Alternatively combative and sarcastic, the Female Speaker pulls no punches in showing that for women the 1960s struggle in many ways replaced the dominion of whites with the control of black men.

The imaginary Speakers’ verbal battle takes place as Maggie Baptiste (Antonia Thomas), a young black woman, tries to come to an understanding about the passions that drive her.

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Crime Wave fails as contemplation of personal crises

By MANAVENDRA K. THAKUR

Crime Wave, written and directed by John Paizs, tells the story of a young man named Steven Penny, who has taken over his landlord's garage to avoid the draft. Penny is a loner, a misfit, and a recluse, and his life is characterized by a sense of isolation and alienation.

The film opens with a scene of Penny's home life, where we see him surrounded by junk, including a TV set and various other oddities. The scene is shot in a dark, gloomy atmosphere, and we sense the character's inner turmoil.

The story takes place during World War II, and the film follows Penny's descent into madness. His life is fraught with conflict, as he struggles with his own identity and the world around him.

Penny is a character who is easy to dislike, but also easy to empathize with. He is a man who is torn between two worlds, one of war and destruction, and another of solitude and isolation.

The film is shot in black and white, which adds to its overall mood. The music is also a key element of the film, and it is used to create a sense of tension and unease.

While Crime Wave is not a film that will appeal to everyone, it is a thought-provoking work that explores the complexities of the human condition. It is a film that is not afraid to tackle difficult subjects, and it is a film that is not afraid to challenge its audience.

In the end, Crime Wave is a film that is not easy to forget. It is a film that will make you think, and it is a film that will stay with you long after you have left the theater.

Noi Vivi

Noi Vivi, directed by Goffredo Alessandrini, is a 1942 Italian film based on the novel by Ayn Rand, written and directed by John Paizs.

The film follows the story of Kira Voss (Alida Valli), a young woman who is forced to choose between love and duty. Kira's life is one of conflict and struggle, as she tries to make sense of the world around her.

The film is shot in black and white, and it is a film that is not afraid to tackle difficult subjects. The music is also a key element of the film, and it is used to create a sense of tension and unease.

Noi Vivi is a film that is not easy to forget. It is a film that will make you think, and it is a film that will stay with you long after you have left the theater.

Bain & Company, Inc.
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The Massachusetts Institute of Technology Classes of 1989 & 1990
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Corporate Strategy Consulting

Thursday, November 17, 1988
Room 4-270
7:00 PM
Welcome to the MIT Libraries!

As you can see from the enclosed guide to the Libraries, there is not just one, but a variety of libraries to meet your study needs. The MIT Library System includes five major subject libraries: Engineering, Science, Dewey (social sciences and management), Rotch (architecture and urban studies), and Humanities. To find the library which covers the subject in which you are interested, please consult the subject guide enclosed. There are also several branch libraries specializing in areas such as aeronautics and astronautics, medical and neurosciences (Schering-Plough), earth, atmospheric and planetary sciences (Lindgren), visual collections in architecture and urban studies, industrial relations, music, and the history of MIT (the Institute Archives and the MIT Museum).

Library staff members are ready to assist you with a full range of services: information and reference, interlibrary borrowing, computerized literature searching, photocopying, and, of course, instruction in library research methods. Please ask in any library about library tours and seminars.

The Libraries’ online catalogue, called “Barton,” is available through workstations in each library. That means that current material (catalogued since 1974) can be searched online in all libraries. Earlier material can be searched in our manual catalogues; just ask a reference librarian for assistance. Please come in and try out Barton — and get your “stripes,” your barcoded library borrowing card. You can get your card at any of the libraries, any time.

We hope you enjoy the rest of your year at MIT!

Jay K. Lucker
Director of Libraries

NEW THIS FALL:
INFORMATION ON CD-ROM

This fall the Libraries will add a new tool to its information gathering toolbox. Joining the already familiar Barton, our online catalogue, and quick reference database searches are several CD-ROM products. CD-ROM is the acronym for Compact-Disk Read Only Memory. Although it looks like the familiar musical compact disks, it is designed for high density text storage and retrieval. Its capacity allows us to offer to the MIT community direct computerized access to indexes.

The Humanities Library is the first library to offer the new databases. Already installed and running are: Academic Index, and Books in Print. The former allows you to do the same research that you did in the Reader’s Guide to Periodical Literature. Use it to find recent citations to newspaper and magazine articles and to movie and book reviews. The actual articles will be in publications which are on the Libraries’ shelves.

The Engineering and Science Libraries will soon have more technical databases available. The Science Library will have Science Citation Index, while the Engineering Library will have an index to National Technical Information Service documents.

The Dewey Library has acquired the most unusual of the CD-ROM products. Called CD-Corporate, a section of LotusOneSource, it provides not only citations to articles on all aspects of business, but also includes full-text 10K reports, marketing analyses, and business directories. The ability to search full-text databases allows the creation of spread sheets, charts and graphs from the data contained on the CD-Corporate disk. Additionally, the PAIS, Public Affairs Information Service, database will be available in Dewey later in the semester.

Rotch Library will soon have two new databases related to its subject areas: art, architecture, and urban planning. Art Index replicates the print form of the index, providing citations to articles in art, architecture, and art history journals. Though the same articles are available in the print and CD-ROM indices, searching is made easier by the ability to combine search terms and search articles from multiple years at the same time. The other database, Supermap, contains the 1980 U.S. Census data.

The Libraries are no longer only structures which house books. Instead, we are a gateway to a world of information inside and outside our walls. The next step will be to give you access to this world from your offices and dorms. We are working on a plan to offer our own database, Barton, through the campus network. Later, bibliographic databases, just like the ones we offer at the reference desks, will be available. The future holds many changes. Come and see what the Libraries can do for you now and tomorrow.
THE LIBRARIES

The MIT Libraries contain more than 2 million volumes, more than 21,000 current subscriptions, and extensive collections of microforms, maps, slides, scores, sound recordings, motion pictures, and videotapes.

The MIT Libraries consist of five divisional libraries: Barker Engineering, Dewey, Humanities, Rotch, and Science; several branch libraries; the Institute Archives and Special Collections, and the MIT Museum. A brief description of each follows:

Aeronautics and Astronautics Library
Room 33-316
253-5665
Collections: mechanics and physics of fluids: instrumentation, guidance, and control; energy conversion and propulsion: materials; structure and aerelasticity: aero-and astro-nautical systems, including flight transportation.
Special Collections: NACA/NASA technical reports; AIAA Society papers; AIAA audio-cassette courses with circulating cassette players.

Barker Engineering Library
Room 10-500
Information: 253-5663
Circulation: 253-5661
Collections: biomedical, civil, electrical, environmental, materials, mechanical and ocean engineering; computer science; energy resources and utilization; applied mathematics and mechanics; manufacturing and machinery; mineral resources; and transportation.
Special areas: industrial standards, professional society papers, and technical reports. A part of the collection is in microform, with facilities in the Media Services Area. Videocassettes, films, and film loops on engineering subjects, with playback equipment, are in the Media Services Area.

Dewey Library
Room E53-100
Reference 253-5677
Circulation 253-5676
Reserves 253-7133
Industrial Relations 253-7133
Collections: social sciences and management emphasizing economics, political science, sociology, statistics, organizational psychology, law (especially legislative research material), U.S. government documents, corporate financial reports, United Nations official documents, and Rand Corporation reports.
Dewey Library's Industrial Relations Collection, Room E53-238, is one of the oldest and largest collections of its type in the United States, with extensive holdings covering the broad areas of labor management relations, labor law, personnel administration, and public policy.

Humanities Library
Room 14S-200
Information 253-5681
Reference 253-5671
Circulation 253-5671
Reserves 253-5671
Collections: literature, linguistics, history, anthropology, archaeology, history of science and technology, philosophy, psychology, religion, education, library and information sciences and women's and men's studies.
Special collections of current college catalogues and telephone books, national bibliographies, and recreational and general magazines and newspapers.

Institute Archives and Special Collections
Room 14N-110
253-5136
Central depository of materials documenting MIT's history, including official records of MIT, record copies of MIT publications, personal papers of MIT faculty, administrators and alumni, and information about staff, alumni, and student groups.
Special collections include oral history collections, rare books and MIT theses from 1868 to date.

Lindgren Library
Room 54-200
253-5679
Collections: earth and planetary sciences, meteorology, and oceanography. Includes a large number of atlases and maps, major holdings of the U.S. Geological Survey publications, and major U.S. Environmental and Information Data Service materials.
PROTECTING THE MATERIALS YOU USE

Many of the books and serials in libraries, including this one, are deteriorating due to the acidic content of the paper and the exposure to environmental conditions such as heat, humidity or air pollution. This damage is greatly compounded when materials are handled carelessly. Damage also results from contact with food and drink. Please take care when you handle materials, especially when you are photocopying them. Even slight damage adds up, and repairs or replacements are expensive. Help maintain the collections for your use, and for the future, by handling materials carefully.

CIRCULATION

Part of the Barton system, the online circulation system provides you with a fast way to check out library materials. Books are assigned barcodes, and you can return your own "slipstick" at any circulation desk. The system allows you to determine the status of an item and to place holds on circulating materials. You may request that an item be delivered to another library for more convenient pick-up. The standard loan period is 28 days. Other borrowing information, including the circulation periods for specific categories of materials and details of fine policies, is available at the circulation desks of individual libraries.

MIT Museum
Building N52-2nd floor
Reference (by appointment) 253-4440
Hart Nautical Collections (by appointment)
253-5942
Exhibit information 253-4429
Holdings include collections of scientific instruments, photographs, slides, tapes, films, and paintings related to MIT history and nineteenth and twentieth century science and technology. A special collection of architectural drawings includes student thesis drawings from 1870 to 1989. The Hart Nautical Collections document the history of naval architecture and shipbuilding.

Special functions: educational programs for schools and community groups; changing exhibits related to the history of MIT and science and technology, the Computer Gallery (10-200) and the Hart Nautical Galeries (Building 5, first floor).

Music Library
Room 146-169
Information, Circulation, Reserves 253-5689
Reference 253-5636
Circulating collections: books and periodicals covering music history and theory, and printed music. Non-circulating collections include sound recordings and such audio playback facilities as compact disk players, open-reel tape decks, stereo cassette decks, phonographs for individual or group listening. The Music Library maintains the reserve materials for music courses. This collection is not duplicated in the Reserve Book Room.

Retrospective Collection (RSC)
The RSC is an off-site storage facility for the MIT Libraries. It is used to hold new acquisitions in the campus libraries, less frequently used materials stored here. Library materials housed here are identified in each of the M.I.T. Libraries. RSC material may be delivered to any MIT library upon submission of a LIDS (Library Institute Delivery Service) form.

Rotch Library
Room 7-238
Reference 253-7054
Collections: architecture and building technology; art and architectural history; fine, applied, and media arts; photography; film, and video; environmental design; urban studies and planning; regional and Third World planning; and real estate development.

Special collections: Boston-related materials, including local agency documents, maps, clipping files, U.S. Bureau of the Census population and housing reports; annual reports of Massachusetts cities and towns; microfiche collection of technical reports on urban and building technology; Historic American Buildings Survey on microfiches and microfilm; materials on Islamic architecture and urbanism, and including national development plans of Islamic countries; materials related to MIT campus architecture.

Rotch Library Visual Collections
Room 7-304
253-7098
Slides, study photographs, and photographic microfiches of architecture, urbanism, and art; photography, films and videotapes; and Aga Khan Program visual archives.

In-house facilities: light tables, 1/2" and 3/4" videocassette playback equipment, video cassette projectors, photographic copystand, and light table in corridor for after-hours use.

Scherer-Plough Library
Room 125-131
253-6996
Collections: major medical reference books; books and journals on the neurosciences, and medical instrumentation. The principal collection on these topics is in the Science Library, but many unique materials are located here.

Science Library
Room 145-134
Reference 253-5685
Circulation 253-5671
Reserves 253-5675
Collections: astronomy, biology, biotechnology, chemical engineering, chemistry, applied biological sciences, materials science, medical sciences, nuclear engineering, and physics.

Special collections include a complete file of Department of Energy technical reports, the Palomar Sky survey, and topographical maps.

M.I.T. The Libraries • Page 3

Subject
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Chemistry
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Civil Engineering
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Climate
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Communications and Information Systems
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Community and Regional Development
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Dewey

History
Humanities

History of Science and Technology
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Law (General)
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Library and Information Sciences
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Humanities

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Management
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Materials Engineering
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Planetary Science
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Psychology
Humanities

Real Estate Development
Rotch

Robotics
Barker

Sea Technology
Dewey

Social Theory and Issues
Dewey

Structural Engineering
Barker

Systems Dynamics
Barker

and Control Engineering
Barker

Thermal Engineering
Barker

Toxicology
Science

Transportation
Barker

Urban Planning
Rotch

Urban Studies
Rotch

Water Resources
Barker

Women's and Men's
Studies
Humanities

Ginny Such
Where to go when you need... . .

Research Help
In the course of your research you may need anything from a single piece of information, such as the diffusion coefficient of carbon dioxide in water, or the author of The Wasteland, to a list of sources useful for completing a paper on topics such as Michelangelo, the stock market crash, or the structure of the Polaris sub. Reference librarians trained in the science of information retrieval are available in every library, by phone or in person, from 9 a.m. to 5 p.m. Monday through Friday. (See the individual library descriptions for telephone numbers.) The Humanities Library provides evening reference services Sunday through Thursday. In addition, subject specialists in fields listed in the Subject Guide are available in each library for specialized questions. Call the reference desks for their names and telephone numbers.

Database Searching
Customized subject bibliographies are available, for a fee, from the Computerized Literature Search Service. Computerized versions of almost any print index or abstract are usually more up to date and can be searched quickly and efficiently. Call x3-7746 for more information and an appointment. Free, limited, quick searches are available at any reference desk.

Books or Journals
Three catalogues are necessary to describe the two million items which the MIT Libraries own. Barton, the online catalogue, contains materials since 1976 as well as selected older materials, including most of the Libraries' 21,000 journal subscriptions. For material dated 1963-1976, you should consult Barton first and then look at the library card catalog. For pre-1963 material check the Dewey Decimal Catalogue (DDC) on microfiche. A copy of the DDC is in every library. Always consult a librarian before you decide that we do not own what you need.

A Book from Storage
Due to space limitations in the Libraries, some materials are kept in storage in the RetroSpective Collection (RSC). Material can be recalled within 24 hours by filling out a request at any Reference or Information desk.

Special Materials
The Libraries own many materials that are not listed in the catalogues. Special materials include annual reports, archival materials, architectural drawings, contracts, maps, photographs, reprints, society papers, technical reports, and U.S. government documents. These materials are best accessed by consulting a reference librarian in any library.

Newspapers
The largest collections of newspapers can be found in the Humanities and Dewey Libraries, though many of the other libraries do keep a small number for a short time only. (The Student Center also houses a collection of foreign and domestic newspapers.)

Items MIT Does Not Own
You may have searched the library catalogues above and consulted a reference librarian and still have found that MIT does not own the material you need. In order to borrow books and other materials from another library consult the Interlibrary Borrowing Service located in the Humanities Library. Fill out a request at the Humanities reference desk and ILB will locate what you need. The Libraries are also happy to receive suggestions for purchase of materials.

Copies
Coin- and card-operated copy machines are in almost every library. Copy cards can be purchased by account number, cash, or check at the Microreproduction Laboratory in 14-0551, the basement of Hayden Library, in person Monday through Friday 9-5 or by mail.

Special Help
The Libraries staff will make every effort to facilitate use of the collections for handicapped users. Special services include a Braille typewriter, a Visualtek machine and a Kurzweil reading machine. For more information, call the Office of the Director, 14S-216, 253-9651.

MIT LIBRARIES FALL AND SPRING TERM HOURS 1988-89
September 12 - December 22, 1988 and February 6 - May 24, 1989

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REMARKS: All MIT libraries are closed on the following days: New Year's Day, Presidents' Day, Memorial Day, Labor Day, Columbus Day, Veteran's Day, Thanksgiving, Christmas Day, and New Year's Eve. All libraries are open on Saturday at 8 am and Sunday at 8 am except for the Rotch Library, Kattamis Library, and the Technical Reference Library which are open on Sunday only. Please consult theSpecial Schedules listed below for holidays.

Special Schedules are Posted for Holidays

1 Open midnight - 8 am, Monday - Friday, Friday 8 pm - Saturday 8 am, and Sunday 8 pm - Sunday noon for members of MIT community only (MIT ID required).
Durian Durian's Boston concert shortchanges audience

The "Clinten USA" tour opened in Boston last week with a sold-out show during which Simon Le Bon professed a dislike for the bubble gum pop that the band still em- 

1988 has been the metamorphosis of Durian Durian from teen-idol pop to a group with a double identity. Lead singer Bono and Adam Clayton, who share a deep political commitment, have been forcing the band to make music that is more abundant to fully take advantage of their exciting live shows. Durian Durian has several live performances that should have been placed on the album, most notably "Sunday Bloody Sunday," "With Or Without You," and "Into the Night/Surrender." It also has some great footage of the band charting it up with B. B. King before performing to a packed house in Boston. When the crowd started to tire of the stage almost an hour later, trying in vain to grab a reference to the band. Is it a shame that Durian Durian couldn't have given the crowd more to remember them. Fans of their music and those who saw their exciting live shows in the past can only hope that this club tour is just a dress rehearsal for something better, perhaps an arena tour in the near future. Unfortunately, the fans may be reluctant to give the band another chance.

Black-and-white filming makes for sharp, clear images

(Continued from page 12)

While coloring wins may be scored off, the result is remarkably sharp, clear images that bypass the faddish, muddy coloring of most concert footage. The mood is transformed into the spectacu- lar: faces glow against black clothing, spotlights shine like beacons from heaven, and cigarette lighter twinkle like stars in the audience.

Occasionally a really spectacular image is presented, such as bass player Adam Clayton huddle by brilliant streams of white light. Such effects should have been more abundant to fully take advantage of the unique visual opportunities presented by black and white film.

The pace of the concert footage leans towards the fast and furious, with short shots cut in rapid succession. When the pace eases up for a slower tune like "Into the Night," where slow motion shots fade into and out of one another, it is a notice- able and welcome change of tempo.

For anyone not familiar with U2's politi- cal inclinations, Adam Clayton makes it clear: "There are people who say you shouldn't mix music and politics. I think that's BS." It should therefore come as a

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EMILE BUSTANI MIDDLE EAST SEMINAR
"AMERICA, IRAN, AND THE PERSIAN GULF"
by
GARY SICK
— Former Member, National Security Council
— Professor, Columbia University
— Author: All Fall Down: America and the Iranian Revolution

Tues., November 15
4:30 p.m.
E51-332 open to public
Sponsored by the Center for International Studies, MIT
Passion of Remembrance succeeds as a work of cinema

(Continued from page 13)

bility of blacks, and black women in particu
lar, in Britain today.
The film also deals with overt hostility
towards homosexuals in the black commu
nity. Of course, whites are no less prejud
diced; in one scene, Gary (Carlton
Chance), who is a gay friend of Maggie's,
finds himself and his lover being accused
and threatened by a group of three white
men. The hobby on patrol lets the three
men go, saying, "They're only kids."
Although the film is overtly poetic at
moments such as these, it does succeed as
a work of cinema, and the dramatic style
does present moments of interest in its
own right. For example, the camerawoman
during the Female and Male Speakers' con
frontation is particularly effective; the
camera never stops panning around the two
speakers as it dramatically counterposes
them against each other. In their final
scene, the two are not even shown together
in the same shot for a long time — with
the camera highlighting the sharp split
that marks their eventual separation.

Characterful singing, and Kaufman's 1894
Steinway Grand was a character actor, too

(Continued from page 13)

With adrenal energy, he sassily sold
the audience on his licentious craft (I bet
The Friends could raise money by telling
his potiche in the MFA gift shop). But it was
not only his frantic darting about which
was funny; his singing was bursting full
of life, a captivating elixir, indeed.

Rockland Ogust was cast as the differ
ent lover, Carlos, and his singing was im
pressive, too; every syllable intoned
was as crisp and clear as to bring out maximum
wit. Carlos arrives "gill-wrapped" in a big
box, and the entire — and catalog of fa
dional expressions — of this overgrown Cher
ubino (did Eichberg steal from Figaro the
idea of "being" Carlos under the very
crowd where his father is to sleep) were on
the level of high farce.

Lynn Torgove, in the role of Isabella,
put in much fine, melifluous singing, par
pecially in the florid "Ah, woe is me." Her
voice and acting were simultaneously ani
mated.

Sue Ellen Kuzma donned a host of suit
ably-exaggerated airs and graces as she
swooned her way through the role of a
concerned matronish, Lorelai, who really
wouldn't mind a little bit of romance on
the side. Her "The Knight of Almatana"
was beautifully sung and, accompanied by
the rhythm of Kaufman's piano, was
affectionate, too. As for Pamela Dettal —
playing the maid, Inez — pure maudliness
was her domain.

Donald Wilkinson and Herman Hilde
brand together generated some of the
greatest mirth as porters as well as in other
roles. Wilkinson's "I'm Don Hypocrite Lo
er Pomposo," was a confection of the
best elements of Renzi and Gilbert & Sul
ivan combined.

Shannon Snapp Natale's cello playing
was always warm and characteristic; Judith
Shapolsky's viola alert and flowing. Kauf
man's piano playing was crisp and perenni
ally compensatorial. Her 1894 Steinway
Grand displayed less resonant tones than
Steinways of the 1980s. The sharper focus
of its sonorities, when under the influence
of the all-knowing hands of Charlotte
Kaufman, made it more of a character ac
tor. Bravo!
Aldida Valli as Kira in Ann Rand's Noi Vivi.

**Noi Vivi retains a power and value of its own**

(Continued from page 14)

the Fascist censors. The film closed with a thirty-second montage of素材 that obscured the political intent of Kira's thoughts in the novel as she tried to escape across the Soviet border.

Happily, these defects are gone from today's version. From the time in 1968 when the original negative was discovered until her death in 1982, Ann Rand intermittent-ly worked at correcting the mess. For An- dro's inquisition scene a new script - in line with Rand's original intentions - was dubbed onto the original. The English subtitles were also redone to better reflect Rand's meaning. Finally, the thirty-second scene that originally preceded it is now the last scene of the film.

Running time is now about three hours (the two original films ran for four hours), the story is tighter, the narrative flow bet-ter; the scene that originally preceded it is now the last scene of the film.

It's unfortunate, though, that nowhere in the story is tighter, the narrative flow bet-ter; the scene that originally preceded it is now the last scene of the film.

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We plan to hire 50% of the nation's top technical graduates this winter. If you're graduating this winter, please drop your resume in the Oracle box located in the Office of Career Services. We are also recruiting for opportunities in Marketing, Con-sulting, Development, Finance, International, and other areas within Oracle. On-campus interviews will be held Wednesday & Thursday, November 9 & 10. For more information please con-tact the Career Services office. If you are unable to meet with us please call or write:

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Short Paizs works are minor masterpieces in themselves

(Continued from page 14)

THE FINISHING TOUCHES

The visitor's last glimpse of Alida Valli as Kira in Ann Rand's Noi Vivi.
Our Tax Dollars Pay For Israeli Violence Against Palestinians

THIS IS WRONG.

WE CAN AND MUST STOP IT.

Question 5 calls on our government to:

"Demand that Israel end its violation of Palestinian human rights and its occupation of the West Bank and Gaza;"

"Stop all expenditure of U.S. taxpayers' money for Israel's occupation of the West Bank and Gaza;"

"Favor the establishment of an independent Palestinian state in the West Bank and Gaza, with peace for all the states in the region including Israel."

(Actual wording of resolution.)

VOTE YES ON QUESTION 5

Today

Coalition For Palestinian Rights: 681-8167

(Paid Advertisement)

The Brattle Theatre presents a musical tribute to Max Ophuls, 1902-1957, 8:30 pm at the Charles Playhouse, 74 Warrenton Street, Cambridge, $4.50 general, $3.50 seniors and students.

The Brattle Theatre celebrates the 75th anniversary of Koko Taylor and her Blues Machine, who open the 1998-99 season, 8:30 pm at the Charles Playhouse, 74 Warrenton Street, Cambridge, $4.50 general, $3.50 seniors and students.

The Brattle Theatre presents "Cecilia," featuring Ms. Patricia Hazzard, 8:30 pm at the Charles Playhouse, 74 Warrenton Street, Cambridge, $4.50 general, $3.50 seniors and students.

Monday, Nov. 14

DANCE

The Boston State College of Arts performs a program of the Boston State College Dance Ensemble, 7:30 pm at the Charles Playhouse, 74 Warrenton Street, Cambridge, $4.50 general, $3.50 seniors and students.

Monday, Nov. 21

DANCE

The Boston State College of Arts performs "Facts of Life," 7:30 pm at the Charles Playhouse, 74 Warrenton Street, Cambridge, $4.50 general, $3.50 seniors and students.

Wednesday, Nov. 23

DANCE

The Boston State College of Arts performs a program of the Boston State College Dance Ensemble, 7:30 pm at the Charles Playhouse, 74 Warrenton Street, Cambridge, $4.50 general, $3.50 seniors and students.

Sunday, Nov. 29

DANCE

The Boston State College of Arts performs "Facts of Life," 7:30 pm at the Charles Playhouse, 74 Warrenton Street, Cambridge, $4.50 general, $3.50 seniors and students.

Tuesday, Nov. 17

PARKING AT THE ICA CANNOT BE ACCESSED FROM THE CHARLES STREET ENTRANCE. THE CHARLES PLAYHOUSE IS ACCESSIBLE FROM THE NEWTON STREET ENTRANCE. CALL 253-4444 OR 965-2555 FOR FURTHER INFORMATION.

John Forbes Nash, Jr., a professor at MIT, will present "A RATIONAL MIND: THE SEARCH FOR AN UNDERLYING ORDER IN THE WORLD AND IN THE MIND," 8:00 pm at the MIT Museum, 110 Oxford Street, Cambridge, $10 general, $7 seniors and students.

Busch Gardens in Williamsburg, Virginia, continues through November 15, $49 adults, $44 seniors and students, children under 4 free.

Tickets: $4.75 general, $3 seniors and students. Phone: 547-6789.

The Changing Landscape of India, 8:00 pm at the Museum of Science, Boston. Details at: 423-4421.

The Week's Events

The Brattle Theatre presents "Cecilia," featuring Ms. Patricia Hazzard, 8:30 pm at the Charles Playhouse, 74 Warrenton Street, Cambridge, $4.50 general, $3.50 seniors and students.

The Brattle Theatre presents "Facts of Life," 7:30 pm at the Charles Playhouse, 74 Warrenton Street, Cambridge, $4.50 general, $3.50 seniors and students.

The Brattle Theatre presents "Cecilia," featuring Ms. Patricia Hazzard, 8:30 pm at the Charles Playhouse, 74 Warrenton Street, Cambridge, $4.50 general, $3.50 seniors and students.
Would You Like To Add Anything?

We will be interviewing on campus Tuesday, November 15, 1988.

See your Career Planning and Placement Office for more details.

We are an equal opportunity employer.
"One of the great things about working at Microsoft is that it is the center of the microcomputer universe. We get our hands on the latest hardware long before it becomes public; this allows us to define and set future standards in the industry."

— Mike Koss, Software Design Engineer
MIT SM (6-3) 1983

"As a Program Manager I run my own show. I interact with major corporations, design documentation, courses, and actually program to customize our product. I determine the needs of the developers, define the desired product, then work with marketing to distribute the product all over the world. I can't imagine having the freedom and impact I enjoy here being offered at other organizations."

— Bill Johnson, Program Manager
MIT SB (16) 1988

"Life at Microsoft is really relaxed. There is no drug test, no dress code (really, you can come to work in shorts and a tie-dye shirt), and no security badge. Some programmers go barefoot and some dress up. Every intern or employee can meet and talk with everyone, including Bill Gates. The real world doesn't have to be that different from MIT.

"There are many projects which would interest an MIT engineer. You can use your 6.004 knowledge of multi-tasking operating systems and semaphores to develop on OS/2, which will match the power of most mainframe operating systems. Any X Windows programmer would be interested in the OS/2 Presentation Manager, which will give real graphics capabilities to microcomputers. Use your experience of Athena's networks to develop OS/2 LAN Manager, a distributed operating system. Anyone who has taken MIT's 6.035 compiler course can expand their experience and work on one of the best optimizing compilers available. You can help change the future of business computing with applications like Microsoft Excel, Works and Word.

"Microsoft = MIT - exams + pay."

— George Hu, Software Development - Intern
MIT (6-3) 1989

"Summer in Seattle is a lot like late Spring in Boston — it's sunny and warm, but not humid. There aren't too many places in the country where snow-peaked mountains, waterfalls, unpolluted ocean beaches and lakes and undeveloped wilderness are all less than two hours away."

— Eric Berman, Associate Program Manager - Intern
MIT (6-1) SM candidate
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Consider Touche Ross...

Representatives from Touche Ross will be on campus to discuss opportunities as a Research Analyst.
Representative Joseph Kennedy speaks at MIT

By Niraj S. Desai

"This country is not going to change on its own," said US Rep. Joseph Kennedy II. "If it is going to change, it's going to change because you care about their nation and have a chance to tell them what is their responsibility to get involved, Kennedy said.

Kennedy's remarks came before a crowd of about 80 people in 34-100 yesterday in a forum sponsored by the MIT Committee on Central America. Kennedy has represented the 8th Congressional District, which includes MIT, for two years, and is running for re-election against Republican Oren Fiscus today.

People often credit Kennedy with advancing civil rights and other social issues during the 1960s to a few individuals, Kennedy noted. In particular, the achievements of Martin Luther King Jr. and the congressmen's father and uncle, Robert F. Ken- nedy and John F. Kennedy, are often singled out. But regardless of individual accomplishments, it was years of patient struggle by many people that forged the victories of that decade, Rep. Kennedy said.

In the same way, it is up to every citizen to help the United States make progress toward greater society. "It is so important for you to get involved," Kennedy told the group.

A member of the audience asked if the kind of grassroots political action Kennedy espoused was less represented at present by Jesse Jackson's "Rainbow Coalition," said that it would be logical for Kennedy to support Jackson for president in four years. "I have been a tremendous admirer of Jackson," Kennedy replied. And picking a candidate for 1992 on election day would be premature, he added.

Kennedy also questioned how broad-based the Rainbow Coalition's support was, saying that, while it can win against a divided field, it would lose an election "one-on-one.

Nevertheless, Kennedy did defend liberalism. When a Demo- cratic candidate insisted his mes- sage to go after "Reaganism," he knew the heart- and-soul of his campaign, Kenne- ddy said. Kennedy believed that old-fashioned liberalism does still well in this state and in many parts of the country. He thought people did want government to provide a "helping hand" to those who needed it.

Opposes contra aid

On Central America, the con- gressman voiced his opposition to any aid to the Nicaraguan contra rebels. He also claimed co-authorship of an amendment that would cut US aid to countries like El Salvador away from mili- tary aid, and more towards eco- nomic and humanitarian aid. The root cause of the problems in Central America is not Nicaragua's Sandinista government, Kennedy argued, but poverty, illiteracy, and disease.

Kennedy criticized the Reagan Administration policy in the re- gion. "In the past, we were the country that was willing to send doctors and food to impover- ished nations." Now, America's present leaders are more interest- ed in grabbing a few quick votes through "red-baiting" than seriously addressing problems, Kennedy claimed.

Asked if his support for Israel — in light of the current troubles in the occupied territories — was inconsistent with his denuncia- tion of human rights abuses in Central America, Kennedy said it would be presumptuous for peo- ple in the US to criticize in Berlin to see an Israeli "who voted to go" on the US vote. Moreover, he blamed Israeli wavering- ness to recognize Israel and re- sistance violence for the poor prospects for a peace settlement. Kennedy also stressed support for Israel's right to exist.

"In the past, we were the country that was willing to send doctors and food to impoverished nations." Now, America's present leaders are more interested in grabbing a few quick votes through "red-baiting" than really addressing problems, Kennedy claimed.

COUNCIL FOR THE ARTS AT MIT

Grants Program

ARTS FUNDING AVAILABLE

The Grants Program of the Council for the Arts at MIT is now accepting applications for its second deadline of the 1988-89 academic year, on Monday, November 14.

The Grants Program has been established to promote cultural activity at MIT by providing financial and administrative support to cultural projects in all disciplines. The Program welcomes proposals which offer members of the MIT community opportunities to create, participate in, and learn about the arts. Typical projects include the design and production of new work, performances, exhibitions, film/video screenings, and cultural programs. Grants awarded may range from a few hundred to several thousand dollars. Applications submitted by students receive primary consideration in the review process. Experience in the arts is not a requirement for funding. Remaining deadline dates are February 13 and April 10, 1989.

Please stop by the Council officer (E15-205, Wiener Building) for application forms and Grants Guidelines brochures, or call Mark Palmgren for more information (x3-4003).

Class of 1990

Ring Orders in Lobby 10
11am-3pm
on
Wednesday November 9
& Thursday November 10

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For detailed information on career opportunites with Shawmut National in either Hartford or Boston, send your resume or a letter of interest to the College Relations Department, Shawmut National Corporation, 777 Main Street, Hartford, CT 06105, or make an appointment to see us at:

Date: Wednesday, November 16
Location: Sloan Clandace
Time: 12 noon
Representative: James Adams,
Chief Financial Officer

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Visiting committee talks about minority concerns
(Continued from page 1)

minority performance as they are of the overall student body performance.

Some have expressed concerns that many minority faculty members have left during past years. Kauroma said that the ODSS report on faculty recruitment is well behind schedule.

Kauroma noted that only 12 minority freshmen pledged fraternity in 1984. This figure increased to 48 this year. However, even this year's figure is not good enough, Kauroma said. Minority students have also depleted at a higher rate than non-minority students, she noted.

Changing demographics

Associate Dean for Student Affairs James R. Tewhey discussed the change in the demographics of the student body and how this has affected housing at MIT. In 1980, the incoming freshman class had 782 white males; in 1988, that number has dropped to 399. The number of women has jumped from 212 to 396 in those eight years, Tewhey said. The number of underrepresented minority students increased to 169 in 1988.

Tewhey believed that the relationship between men and women at MIT has at times been difficult. Noting that women are a minority in all of the coed dormitories, he said they were denied a voice in some issues. "There are all 47 percent women in the dormitory system, and the ODSS should find a way to make the voice of women and minorities be heard," he said. As an example, he said some women in Senior House objected to the showing of sexually-explicit films earlier this year; but, because they were in the minority, their "voice" did not prevail, he claimed.

Tewhey believed there is a need to educate students about "safe sex" given the "appalling ignorance" that some have on these issues.

The independent living groups are composed of 24 percent white males, 11 percent women, and 5 percent minority students. Tewhey said. "Although more fraternity members are accepting minorities, there are nine fraternities who haven't made any attempt to bid for minority students," he said. "By modifying the present situation, you're really building on crumbs," she argued.

"There is at least one-third of the freshman class that is excluded from the fraternity rush, because they are women," Tewhey said. Janet Brown, one of the committee members, argued that MIT must radically alter its housing program in the face of changing demographics, rather than modifying the present arrangements.

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The purpose of education.

We begin our education believing that the facts we learn and the technologies we master are the foundations for our careers. But changes in careers are common and technologies become obsolete quickly. In fact, alumni records show that it is likely for many of us to work in multiple fields or to change fields entirely. We may also move from engineering and science into non-technical areas such as marketing or general management. The ability to do excellent work in a range of fields and to meet diverse challenges with clear bold thinking and creative solutions is the hallmark of a good education.

However, to work effectively in fields that are new to us cannot rely on facts and technologies that may have become obsolete; we must depend on fundamental thinking and problem solving skills that are effective in any discipline and in working on virtually any type of problem. These skills are analogous to the basic skills, strength and coordination that a superb athlete will learn in preparation for a lifetime of competition, skills that will serve him in a variety of different sports.

For the scientist or engineer the heart of the learning process is finding and solving interesting problems. This is as true if the subject is our profession as it is in managing a company. With proper mentoring, the mental struggle of dealing with a difficult and important problem results in the development of mental skills that cannot be learned in any other way and that are applicable to a wide range of new situations.

The skills we learn are an acute ability to observe all aspects of a problem, to integrate a wide range of knowledge, to analyze in depth, to obtain insight, to find creative solutions, and to rigorously test the solutions. These problem solving skills are taught by a fine teacher no matter what the subject. For maximum benefit the student must realize the importance of these skills to his or her education and must consciously focus on developing them not only in every course in college but over a lifetime of learning.
Women's volleyball team headed to California for NCAA tournament

(Continued from page 28)

on the verge of the title with a 14-9 lead, earned the right to block and unforced errors by MIT. To score another point, then, and they would not do, however.

A tip by Teri Lowenstein '89 brought the back to MIT, which promptly ran off five points to tie the game at 14. Gardner and co-captain Cecilia Warzynski '90 had key hits in that run.

14-14, after a comeback bid by MIT. But Smith would not let the title slip from its grasp.

Smith's coach, Bonnie May, earned Coach of the Year honors. So, disappointed with a tight chill factor.

Smith, on the other hand, will travel to upstate New York to play in the East Regional. MIT is the closest of the seven teams to a major airport and because it was the lowest-ranked team of the seven.

MIT is no stranger to the NCAA tournament, having already played in these tournaments in this decade. In fact, the Engineers finished fourth in the nation in 1983, and second in 1984.

In 1986, MIT travelled to Michigan for the NCAA tournament, but lost in the second round.

Twenty-four teams were chosen for the tournament, which will be played in four regional playoffs. Seven teams from the Northeast received bids for post-season play, but only six could play in the East Regional. MIT is being flown to California to play in the West Regional because it is the closest of the seven teams to a major airport and because it was the lowest-ranked team of the seven.

Smith's coach, Bonnie May, earned Coach of the Year honors. So, disappointed with a tight chill factor.

Smith, on the other hand, will travel to upstate New York to play in the East Regional against the likes of Juniata College of Pennsylvania, which defeated both MIT and Smith at the Eastern Connecticut State Tournament last month.
By David Rothstein

While DEWEY LLEWELNY, whose 102 yards running backs Terry Biafore and Tim Day '89, wide receiver An-

team deserved to win. (17-14) a game which neither

field in Worcester, the MIT foot-

while playing Saturday at the As-

served to win. Unfortunately,

deserved to lose, a team is sup-

ning some games they probably

Problems finally

face Pomona College in San Die-

Coast, courtesy of the NCAA, to

a bid to the National Collegiate

the next day when MIT received

against MIT, but this time engi-

ners from senior setter Karen

Assumption...