MIT Cambridge Massachusetts

Friday, October 12, 1984

Ferraro and Bush debate the issues

By Daniel Crean

Volume 104, Number 44

Vice presidential candidates George Bush and Geraldine Ferraro went head-to-head in last night's televised debate in Philadelphia, clashing over issues of civil rights, foreign policy, and military policy.

The two candidates followed their running mates, President Ronald W. Reagan and former Vice President Walter F. Mondale, who debated last Sunday.

The Reagan administration has not been active in civil rights, Ferraro asserted. She and Mondale "both have extremely strong civil rights records. [The Reagan] administration does not."

Bush disagreed: "I think our record on civil rights is a good one." He said the Justice Department has prosecuted many civil rights cases in the past four years, but Ferraro pointed out that the federal law requires these prosecutions.

The two candidates agreed religion should be separated from government, but ministers should be allowed to speak out on social issues.

"We favor pluralism," Bush said. "I feel [clergymen] have not only a right, but a responsibility

to speak up," Ferraro said.

He said religion is not a factor in his position against abortion. "I don't consider abortion a religious issue. I consider it a moral

"I accept the teachings of the church, but I cannot impose

them on others," Ferraro said. She explained that elected officials must represent all their constituents. "If there comes a time when I cannot practice my religion and do my job, I will resign my job."

Bush defended use of covert operations in Central America. "I believe we ought to strengthen [the Central Intelligence Agencyl," he said. Bush is a former director of the CIA. "We believe in democracy in this hemisphere," he said. The Nicaraguan government "doesn't believe in all the values we believe in."

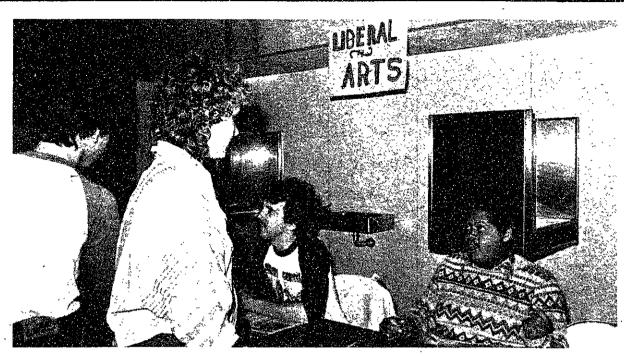
Nicaragua is working with other Central American countries on a regional peace plan, called the Contadora. The Reagan administration believes the plan requires more verification of its implementation. (Editor's note: see Ortega story, p.2.)

Ferraro countered Bush, describing the CIA's mining of the Nicaraguan bay: "I did not support the mining of Nicaragua. It was a violation of international law. Congress did not support it."

Ferraro said the CIA exists to "protect our government, not to subvert other governments," as it has been attempting in Nicara-

Ferraro attacked Reagan as "the first president in forty years that hasn't met with Soviet leaders." She expressed "concern that we are not doing anything to stop the arms race."

(Please turn to page 2)



Tech photo by Diana ben-Aaron

Miguel Mitchell '82 signs up a student for his class in exobiology during MIT High School Studies Program registration last weekend. Over 100 high school sutdents registered for the Saturday enrichment courses.

Bush said. "And sure, they're

willing to work for less. That's

He added later that he thought

he had paid too much in income

taxes. "I'd like to get some mon-

News Analysis

Ferraro strong in debate

great.'

By Diana ben-Aaron

Democratic vice presidential candidate Geraldine Ferraro made a strong showing in her debate against Vice President George Bush last night. Both candidates were well-prepared for the contest, but in the rebuttals Ferraro many times pointed out flaws in the facts Bush presented to the audience.

Ferraro criticized the Reagan administration for misplaced optimism, while Bush extolled new programs. "We supported [wage laws] that encouraged employers to hire young black teenagers,"

ey back," he said. Ferraro stuck to her assertion that, although she did not consider abortion a viable choice for

herself, she would not impose her religious beliefs on others. She demonstrated the strength of this conviction when she said that if her inner conflicts ever overpowered this resolution, she would resign from public office. Bush's remarks contradicted

his stated belief in the separation of church and state: "[Nicaraguan leader Daniel] Ortega is a Marxist, and they don't believe in the church, they don't believe in free voting, they don't believe in any of the things we believe in." He appears to consider atheism or agnosticism grounds for aggression.

The differences between media questions on foreign affairs were much more marked than for domestic affairs. The press quizzed

Bush on his positions on defense spending and military intervention, while it asked Ferraro why she thought she could command the armed forces.

She drew applause when she asked if the question were whether one must have been involved in war to embrace peace.

Louis Menand III, special assistant to the provost, in an MIT forum after the debate, criticized the factual and historical basis of Bush's remarks, but said. "The vice president came on as a more vigorous debater than I expected him to be."

Menand characterized Ferraro's performance as "strong," noting that on the domestic side, she acknowledged the presence of women's and minority issues without specifically going into them.

On foreign affairs, he said her statement that the quality of the position the United States takes will determine the amount of response it gets "seemed a strong response to a sexist question [of whether the Soviet Union would treat a woman president differently]."

Pentagon .etter reach By David P. Hamilton The three institutions declared

A letter sent to the Department of Defense by MIT and two other universities last March is partially responsible for the Pentagon's relaxation of restrictions on unclassified research, according to Louis Menand III, special assistant to the provost.

The presidents of MIT, Stanford University, and the California Institute of Technology signed the letter and sent it to the Department of Defense. The letter has resulted in a "return to sanity," Menand said.

Walter L. Milne, assistant to President Paul E. Gray '54, said the letter expressed the schools' opposition to restrictions on unclassified research with possible security ramifications.

they would rather forego unclassified Department of Defense contracts than face possible restrictions later.

The letter provoked no direct response and was not answered,

Earlier this year, a Department of Defense committee approved a proposal to restrict unclassified but militarily sensitive research, known as "gray area" research, and introduced it to several university representatives on March 22, according to the April 13, 1984 issue of Science.

MIT does not participate in any classified research, Milne said.

Colonel Donald Carter, acting deputy undersecretary of the Advanced Research and Technology Department said the letter was only one of several pressures put on the Department of Defense at the time.

Many other universities, such as Harvard, followed suit, making declarations similar to the letter from MIT, Stanford, and Cal-Tech within a month.

The Department of Defense has decided to eliminate restrictions on "gray area" research because of the impracticality of enforcing them, Carter said.

A further development in restriction of unclassified research concerns the renewal of the Export Control Act, Menand said. The act gives the federal government the legal right to limit ex-(Please turn to page 12)

Screen applicants after they are here

By Amy S. Gorin

The Undergraduate Association Council discussed Course VI enrollment in its first meeting of the semester last night. The meeting took place a week before the MIT faculty will vote on the proposal to limit enrollment in the Department of Electrical Engineering and Computer Science (EECS).

UA President David M. Libby '85 announced that the faculty meeting on EECS enrollment is scheduled for Wednesday at 3:15 pm in 10-250.

Student Committee on Educational Policy (SCEP) Chairman Dan O'Day '87 said the faculty will choose either to limit enrollment during the initial application process or through an examination at the end of the freshman year. SCEP will be represented at the meeting, and is currently deciding which position to support.

Other students may attend the faculty meeting as observers, Libby said.

Libby opened the UA meeting with an announcement from MIT/Wellesley Joint IAP Com-

mittee director Mary Z. Enterline, who said the deadline for submitting IAP event announcements to the IAP Guide will be Nov. 1. There will be only one guide this year, in order to conserve funds.

Libby then announced the UA is considering sponsoring a postdebate forum for the final presidential debate, similar to the forum which was held last night following the vice presidential de-

Libby also announced the resignation of ASA President Ken Weems '85. The ASA will elect a new president Oct. 22.

The meeting ended with the election of O'Day, Michael A. Vidaurri '85, Michael Franklin '88, and Kathleen M. O'Connell '87 to the UA Executive Committee.

(Please turn to page 12)

It's Berlioz, Mozart and Tchaikovsky as the BSO opens their season this week. Page 10.



Tech photo by P. Paul Hsu

Sloan School student Kim Ritrievi G (#1603) runs through Memorial Drive in the annual Bonne Belle Road Race. The all-female 10 km race around the Charles River took place last Monday.

Astronaut lectures on space

By Tony Zamparutti

From space, one can see "the pitfalls of overemphasizing patriotism," said former astronaut Scott Carpenter, the second American to orbit the earth.

Over 150 students attended-Carpenter's talk on space, which was sponsored Wednesday night by the Lecture Series Committee and held in Kresge Auditorium.

As he dabbled into the possible futures of the final frontier, Carpenter also provided perspectives on competition with the Soviet Union and the portrayal of the young space pioneers in The Right Stuff.

Viewing the earth from space can give a new sense of perspective: "It gives one a better sense of his own insignificance . . . You

guan proposal: "It's a proposal

presented by the United States'

friends . . . very concrete, very

The Foreign Minister of Costa

Rica, Carlos José Gutiérrez, told

the General Assembly yesterday

that Costa Rica also supports the

peace plan, although the plan

would freeze acquisition of weap-

Nicaragua, which has more

weapons than all the other Cen-

tral American states combined,

(Please turn to page 12)

specific," he said.

Ortega talks at forum

By Greg Makoff

Daniel Ortega Saavedra, head of Nicaragua's ruling junta and Sandinista party candidate for president, spoke at Harvard University's Sanders Theater last Monday. Ortega had come to the United States to address the United Nations General Assembly.

Ortega had earlier criticized the Reagan administration at the General Assembly last week, accusing the administration of aggression against Nicaragua and plotting to invade his country before Nov.4 — the date it will hold its first presidential election since the Sandinista revolution in 1979.

The Reagan administration, on the other hand, has repeatedly responded that Ortega's government is undemocratic and threatens the peace and stability of the region.

"There is now a new moment for peace," despite the perceived threat of invasion. Ortega said at the forum; he reiterated his country's support for the Contadora peace plan presented last Septem-

The plan calls for political amnesty for dissidents, fair judicial systems and guarantees of civil liberties, as well as mutual reductions in arms, troops and foreign adivsers.

Ortega said the treaty also calls for the importation of arms by all Central American nations 29 days after its signing.

Central American countries, in conjunction with Mexico, Panama, Venezuela, and Colombia, worked out the peace plan. The Contadora treaty is not a Nicara-

Candidates spar on TV

(Continued from page 1)

"The Soviets have not been willing to talk," Bush said. He contended the United States has repeatedly sought arms talks. "Our president wants to reduce, not just to stop . . . nuclear weapons."

Both criticized each other's running mate repeatedly. "This administration looks backwards, not forwards," Ferraro said. "Mr. Mondale has one idea - to go out and tax the American people," Bush said.

Both emphasized their leadership. "The president's turned [the country] around, and I've been with him every step of the way," Bush said.

"The people of this country can rely on the fact that I will be a leader," Ferraro said.

The candidates agreed there are large differences between the tickets. "It's the clearest choice in fifty years," Bush said.

Ferraro said, "The future of this country and how strong it will be is what this election is all about."

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begin to question loyalties," Carpenter said.

He had to reevaluate his allegiance to church and country. "Blind allegiance to one's own religion is not right" and has been one of the greatest causes in bloodshed in history, Carpenter

Rather, our allegiances should come first to the family of man and to the planet at large, Carpenter said. "If more people come to see the earth at a distance," more will recognize this, he

He also emphasized the need to compete with the Soviet Union in space efforts. "In the early days [of the space program] we had . . . all hoped to keep weapons out of space," he said. These hopes, Carpenter added, were not realistic.

"Man is a warring animal," he declared. After fighting for mastery first on land, then at sea,

(Please turn to page 15)

MIT DRAMASHOP presents the premiere of

HANDY DANDY

by William Gibson A Staged Reading

Bill Gibson's new play based on an actual courtroom proceeding involving a 70-year-old peace protester and the judge who sends her to prison.

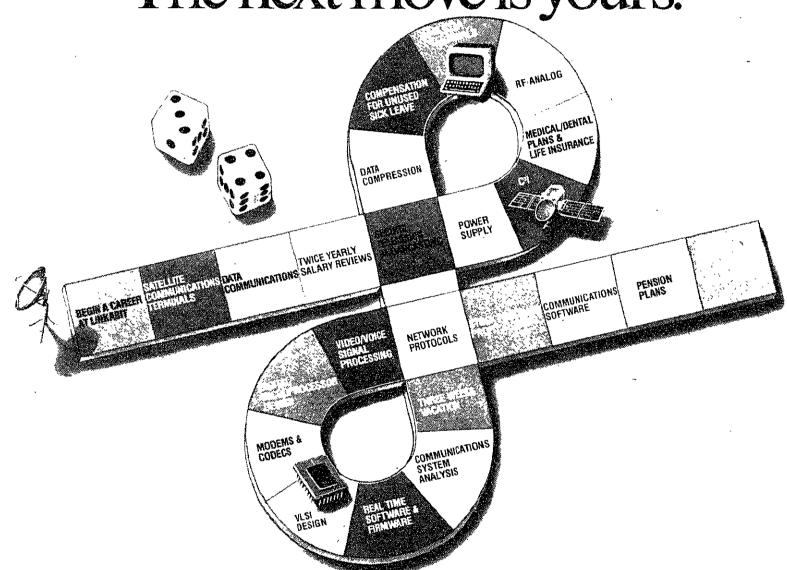
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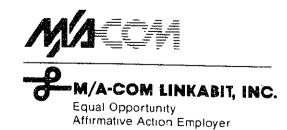
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COMPANY PRESENTATION

Thursday, October 18—7:00-9:00 pm Building 4-153 Refreshments will be served

ON-CAMPUS INTERVIEWS

Friday, October 19

news roundup

World

US declared innocent in death squad role — The Senate Intelligence Committee reported Wednesday that it had found "no evidence to support allegations" that US agencies deliberately supported or acquiesced in death squad activities in El Salvador.

Duarte accepts most guerrilla terms — El Salvador President José Napoleon Duarte accepted conditions presented by leftist guerrilla leaders for his meeting with them in La Palma. Duarte said he would go unarmed to the embattled town to meet with the guerrillas.

Congress passes money bill — Congress passed Wednesday a \$470 billion compromise spending bill which will provide money for most of the government for the next 12 months. The bill is now being considered by the Senate.

Reagan vows no cuts to retirees — President Reagan promised Wednesday to oppose reduction of Social Security benefits for future and current retirees, according to a statement issued by his spokesman Larry Speakes. The promise comes after former Vice President Walter F. Mondale's accusation during the Presidential Debates Sunday that Reagan was going to make cuts in the program.

Polis: Debate helped Mondale — Democratic Presidential candidate Walter F. Mondale improved his rating with voters by his performance in Sunday night's campaign debate, according to three polls released by the Washington Post-ABC News, Louis Harris and the New York Times/CBS News. The Los Angeles Times' poll indicated that even though Mondale won the debate, he did gain politically.

Brown students request cyanide for use in nuclear attack — A petition asking Brown University health officials to "stockpile cyanide pills for optional student use in a nuclear war" attracted 700 student signatures. The question will appear as a referendum on the student government ballot this week.

Sports

Padres even up World Series — Designated hitter "Dirty" Kurt Bevacqua came up with a three-run homer to left field in the fifth inning, as the San Diego Padres overcame Sparky Anderson's Detroit Tigers last Wednesday, 5-3. The Sunshine Boys evened the World Series 1-1 in front of 57,911 in Jack Murphy Stadium. Bevacqua said, "I'll do anything to get in the newspaper."

Celtics defeat the World Trade Center Rockets — K. C. Jones' Amazing Boston Celtics brought down two giants in an exhibition game against the Houston Rockets, 124-105. To the 10,683 Worcester fans who watched, the Rocket front line of seven-footers Ralph "Rubberband Man" Sampson and Akeem "The Dream" Olajuwon resembled the twin World Trade Center buildings. Sampson played on the wing against Robert "Chief" Parish, but garnered an anti-climatic 12 points. Olajuwon jumped center against Kevin McHale.

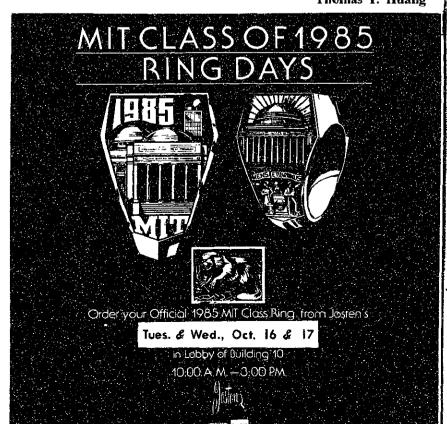
People

Townshend backs anti-drug campaign — Pete Townshend, British rocker and guitar-destroyer for The Who, is backing a Conservative Party campaign against drug abuse in Great Britain. He told a conference meeting that one session with heroin turned him into an addict. The drug "sexually sterilizes, it destroys ambition, it instills a sense of utter hopelessness in a young person," Townshend said.

Weather

A weekend for playing in the sun — After a morning fog, today should be warm and sunny, with highs 72-76. The nice weather will continue on Saturday when highs will be 70-74.

Ellen L. Spero Diana ben-Aaron Thomas T. Huang





A DISCUSSION OF CAREERS IN

RESEARCH, ENGINEERING AND MARKETING

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— Guy Flatley, Cosmopolitan Magazine

"Country' is a poignant tribute to the dogged spirit of the American farmer. It is undeniably powerful, a true protest movie of the '80s... with almost as much grit and honesty as the classic film 'The Grapes of Wrath."

- Kathicen Carroll, New York Daily News

"A solid work of immense integrity and artistic grasp...'Country' makes the audience care. You'll be rooting for the Ivys and you'll be whistling the Star Spangled Banner in the process."

— Rev Reed. New York Post

"Full of compassion...the film, more than anything else, reflects the drive, conviction and intelligence of Jessica Lange... Miss Lange is not only an

exceptionally talented and beautiful

woman, she's a force of nature."

— Vincent Canby, New York Times

"Lange and Shepard have the gift of being totally real and totally glamorous at the same incandescent moment."
—Jack Kroll, Newsweek

"Jessica Lange not only deserves cheers for her superior acting, but for her achievement for co-producing one of the year's finest films."
—William Woll, Gannett New Service

"A strong, emotionally high-pitched and superbly acted drama. It demonstrates, once more the blazing talent and intelligence of actress Jessica Lange."

—Bruce Williamson, Play how Magazine

"Country' like 'Silkwood' and 'Norma Rae' before it, merits a place in the pantheon of populist movies about little people in the thrall of monstrous injustice."

- Joseph Cralmis, Newsday



JESSICA LANGE is Jewell Ivy

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opinion

Column/Diana ben-Aaron

Faculty face an unpleasant choice

Next Wednesday, the faculty will vote on the Committee on Educational Policy's proposal to restrict enrollment in Course VI at the high school level. When they confronted the issue last year, they were faced with a choice between what Tech columnist Joe Romm called a miserable proposal (to screen applicants for the Department of Electrical Engineering and Computer Science at the end of the freshman year) and a horrible proposal (similar to this year's). In an unexpected show of respect for the integrity of open enrollment in majors, the faculty rose to defeat both.

I wish they could do the same this year, but it seems inevitable that they will be forced into a nuts-and-bolts debate about exactly how to pervert MIT's tradition of free choice of majors so Course VI won't collapse. The long-term solutions suggested last year - bringing in professors from other departments, encouraging Course VI students to do theses in other departments, stepping up recruitment for other departments at the high school and freshman level - did not materialize, and the EECS overenrollment problem has not disappeared on its own.

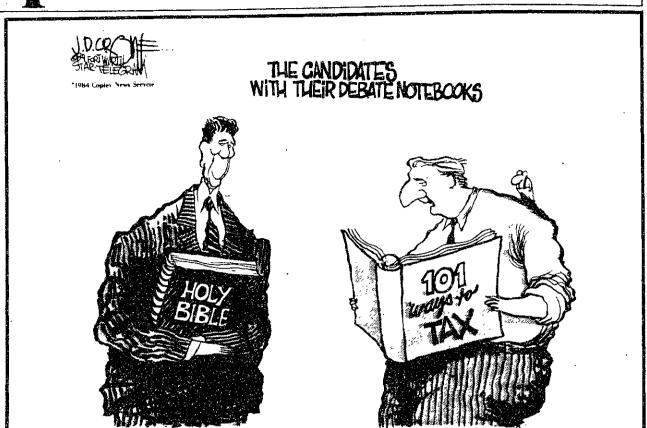
The CEP plan sounds quite

plausible until you consider individual students, and the individual student you are most likely to think of will be yourself. If you knew you wanted to be an electrical engineer (or an architect, or a doctor) in high school, you won't see anything wrong with having to declare a major or apply to a department at the age of 17. If you only recently decided what you wanted written on your diploma and you still aren't sure, you will oppose restrictions on majors until Course VI sinks under its own weight and has to go out of business as an undergraduate degree program.

As someone who changed from humanities to engineering at MIT, I oppose restricting enrollment in high school. The average high school student admitted to MIT knows little about engineering because science, not engineering, is taught in high school. During R/O Week, the student says, "I think I'm interested in engineering but I don't really know anything about it."

Under the CEP proposal, the eventual options of about 400 incoming freshmen a year will be governed by two application readers' estimates of how likely they

(Please turn to page 8)



Column/Charles P. Brown

reviews student grades

Fourth in a series

At the end of each semester the Committee on Academic Performance holds three day-long meetings to review the academic records of undergraduates.

The review process starts when the grades are submitted to the registrar. The registrar's office compiles lists of students with their grades, their cumulative grade point average and number of units, and records of any previous CAP actions. The list is sorted by class and major, and any student who is registered for fewer than 36 units or who has a term rating of 3.0 or below is flagged.

These lists are sent to all departments, academic and administrative (the ROTC departments

Simson L. Garfinkel's recent

article on the Office of Minority

education in The Tech, "Pro-

grams which serve only minor-

ities are discriminatory," [Sep-

tember 25] was filled with both

the mistatement of facts and

many grievous assumptions. Gar-

finkel states minorities may have

had special problems in 1965 but

they don't have them now. Gar-

finkel also believes that somehow

minority students are not "differ-

ent" and are made different only

by virtue of organizations such as

the Office of Minority Education.

He also argues the Institute

Garfinkel's analysis clearly re-

should be "color blind."

To the Editor:

Rhetoric distorts real problems

used to receive these until last year; now they receive only ROTC students' grade reports) and the CAP asks each academic department to recommend actions for flagged students. Initial actions include:

- a warning from the department to a student whose performance is judged marginally acceptable;
- a letter from the CAP to the student concerning a high number of incomplete units for the semester;
- a letter from the CAP to the students concerning over-involvement in extracurricular activities;
- a "soft deferral" which means the student's case is tabled

servatives, one-time liberals who

mative action and efforts to re-

dress the political and economic

imbalance between blacks and

whites through direct government

rhetoric of "equality" in order to

argue that blacks and whites

should be treated equally, i.e.

that no special effort group

should be made by the govern-

ment to provide more resources

to one group than to another.

However, in the larger political

economy outside of MIT and

within the Institute itself (witness

the number of minorities in the

The neo-conservatives use the

or institutional intervention.

now oppose all attempt at affir-

until the deferred action meeting. These meetings take place in late January for the fall semester and early June for the spring semester. A soft deferral is made when the CAP wants more information and is prepared to give the student no more than a warning;

- a CAP warning, indicating a credit limit for the following semester if the student's academic performance is not acceptable;
- a "hard deferral" which means the student's case is tabled until the deferred action meeting, indicating the CAP is seriously considering requiring the student to withdraw due to continued unacceptable academic performance;
- sending a letter of congratulations to a student who did well after being put on warning or coming back from a required withdrawal.

The CAP devotes roughly one full day to discussing seniors and one-half day each to the other classes. A representative from each department attends these meetings and is prepared to recommend actions for students who have been flagged. The CAP listens to the recommendations, and decides which action to take. The CAP is also free to discuss any other student it wishes, just as the academic departments are free to make any additional recommendations to the CAP.

The severity of actions recommended by departments vary significantly. It is debatable whether this is because the guidelines are vague or because the departments are unclear about which actions to take.

(Please turn to page 5)

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Volume 104, Number 44	Friday, October 12, 1984
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opinion

Guest Column/Brian E. Simmons

The good, the bad, and the worthless

Today's discussion concerns a member of the MIT community whom some of you know. His name is Simson L. Garfinkel. In this column, I critically analyze the interesting material that Simson has contributed through The Tech to the MIT community during his stay here.

Simson has been one of The Tech's most prolific contributors. In fewer than three terms, he has written at least twenty columns. He has certainly enlightened us all with his thoughts concerning slimy, cigar-smoking, gun-slinging cabbies, mischievous snow, and discriminatory minority programs. Now, let's examine some of his arguments concerning these topics.

Dirty Cabbies

I was amazed to discover that if my younger sister were to visit me this weekend she might be transported to MIT by a vile creature posing as a Boston cabbie. And the blame for this problem rests squarely on the shoulders of President Ronald Wilson Reagan.

Yes, it's true. Reagan's campaign promise to "Rearm America" has armed citizen against citizen instead of uniting us against Reagan's hypothetical advesaries. Reagan's continual emphasis on the "Communist Threat" should make each and every one of us rush out to our neighberhood pawn shop to buy a Harry Callaghan special. Then we can protect our younger sisters and brothers from all scummy Boston cab drivers. Amen!

Mischievous Snow

Repeat after me: "Snow is bad! Snow is vicious! Boston snow just ain't delicious!" We should all memorize this chant if we are to rid ourselves of this terrible menace when the winter comes.

Before I read Simson's column on snow, I always thought snow be a nuisance sometimes, but never a serious problem. Well,

was kind of nice. Oh sure, it may Simson has shown me the light! (Please turn to page 7)

Different departments, different CAP actions

(Continued from page 4) The department that seems to recommend the most severe actions is the Department of Aeronautics and Astronautics, while the most lenient department is Electrical Engineering and Computer Science.

This is balanced, however, by the way the departments treat their students. The Department of Aeronautics and Astronautics seems to care about its students more than any other department does. When the CAP discusses a Course XVI student, the departmental undergraduate officer and/or faculty representative has always done background work,

and the student's advisor has kept on top of the student.

The Department of Electrical Engineering and Computer Science, from my personal observations, seems to care the least. I have heard countless stories from Course VI advisors who said they did not want a student as an advisee and took him only to meet a quota, and about advisors who are impossible to reach and who literally tell their advisees that the only time they want to see them is when they need a form signed. In all fairness to Course VI, this may be the result of overcrowding in that department.

oded Nov.15 Potog

The Tech PAGE 5

Hide all ashtrays, matches, etc.

Lay in a supply of sugarless gum, carrot sticks, etc.

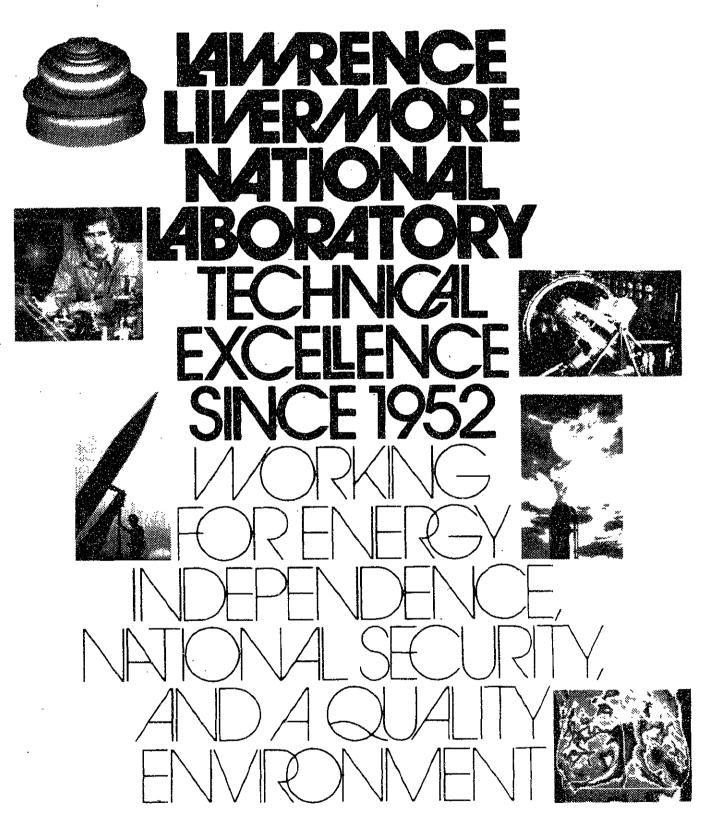
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Society still treats blacks and whites differently

(Continued from page 4) Sloan School), blacks and whites are not treated equally.

Some may argue that the differences between the economic resources and social position of blacks and whites hinges solely on gains which will be made in education, i.e. that social inequality will inevitably disappear after minorities are given "equal" access to education. However, the statistics seem to refute this notion. For example, in 1976, blacks who were high school dropouts had an unemployment rate of 37.1 percent as opposed to whites in the same category who were unemployed at the rate of 22.3 percent; blacks who had one to three years of college suffered from an unemployment rate of 27.2 percent and whites in this same category were unemployed at the rate of 8.2 percent. Since the educational levels across categories were similar, one should conclude that the differences in unemployment rates were caused by discrimination, i.e. society is not "color blind." Similarly, statistics reveal that minorities in the United States do not have equal representatation per capita in the educational system. Other data compiled by the economist Samuel Bowles reveals

that access to a college education is highly unequal, even for children of the same measured "academic ability."

If we accept that society is and has been discriminatory against blacks (and women for that matter), we must ask ourselves the pressing moral question: What can we do about this problem? In breaking the cycle of discrimination against blacks by society we must start somewhere. Universities have traditionally held themselves up as representing high ideals of justice and social equality. Our social institutions should act responsibly on these ideals. Thus, MIT can help break the cycle of discrimination by making efforts to recruit minority students and developing programs which meet their special needs. Such an effort may not erase discrimination (such as the racism graduates will face by employers after graduation) but it will be a step towards distributing social resources equally between whites. blacks and other minority groups.

Blacks are treated differently than whites in our society and so they require alternative educational resources. Since there is an imbalance between the resources

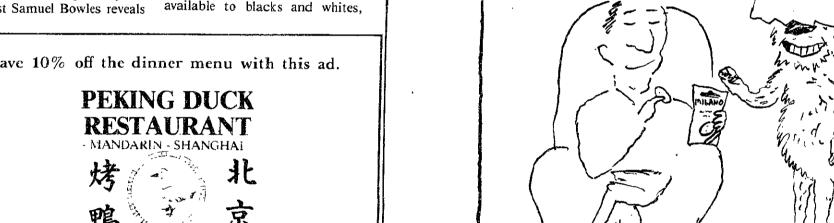
universities such as MIT have done some things to address this imbalance. One of the ways the Institute has attempted to do this is through the Office of Minority Education. Whether this office has done a good job in helping minority students is one question which some may argue about. But the need for such an office seems clear given the problems faced by minorities e.g. discrimination, financial aid difficulties based on income level, the need to recruit minority faculty. We can be coy and naive about the problem at hand by arguing that there are some rich blacks and many poor whites. Such an argument is clearly an obfuscation; it begs the question. The Institute can always set up programs to help poor whites. Also, "rich blacks" are few in number and still suffer from racial discrimina-

The type of argument raised by

Garfinkel and the neo-conservatives clearly raises more questions than it answers. Why aren't the Garfinkels of this world concerned about the lack of color blindness in MIT's curriculum? The scientific mentality which sees only objective reality in numbers and formulas may view social reality as one big value neutral bowl of mush. However, social reality is a bit more complex than this. The textbooks, the faculty, and the classrooms which examine history, politics, and economics are all subject to the vagaries of interpretation and subjectivity. That whites are overrepresented as the interpretative actors of this reality at MIT should prove that the Institute is not "color blind" but is based on a system which presently works in favor of whites as opposed to minority viewpoints. This problem has been exacerbated by the cuts in black and women studies

programs across the country, by cuts in financial aid which hurt the poor and working class and by the decline in social movements which attempt to fight for minority interests and the cultivation of educational programs which serve to represent minority interests. The Neo-conservative idealogy has flourished by the decline in progressive student activism during an era of economic scarcity. Economic competition between blacks and whites traditionally increases in times of economic depression. With less money to go around for competing ethnic groups (both from the government and from employers), the neo-conservatives argue for maintaining the status quo. Equality becomes a euphemism for leaving things as they are and preventing remedial actions which attempt to redress the inequities of the past.

Jonathan Feldman



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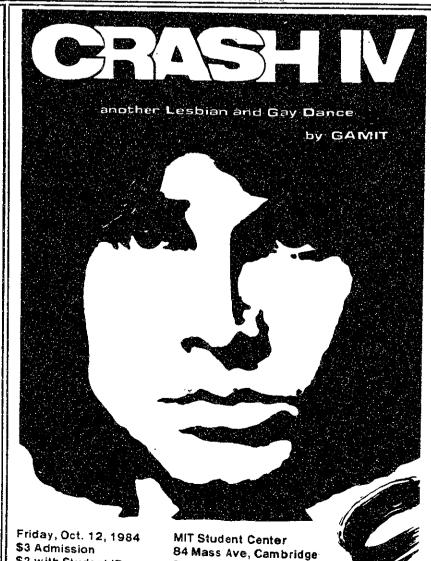
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opinion

Garfinkel contributes to MIT

(Continued from page 5)

Having snow is a responsibility. It must be cared for. Next time it snows, we must immediately run out to find dirty snowflakes. Then, once we have collected them all, we can rent a plane to ship the dirty snow to New Jersey.

Moreover, we must pity the students in Baker because they have to play in the snow on Memorial Drive and might be run over by a stinky, cigar-smoking Boston cabbies.

Discrimination is rampant

The Office of Minority Education is a racist organ for dealing with the social and educational problems of minority students. It was established here at the Institute by leftist radicals from "Hah-vahd." Its true purpose is to indoctrinate the minority community with pernicious beliefs like "Kill the white people."

All minority issues were resolved at 11:59 pm on December 31, 1965. Ever since, all human beings have lived together in peace and harmony except for the radical MIT students who wish to maintain the OME office.

I wish to thank Simson for these pearls of knowledge. Now I am truly enlightened. I am looking forward to his informing me of these issues and others as the year progresses.

Closing comments

By now, I am sure you realize my feelings concerning most of Simson L. Garfinkel's work. But I would be remiss if I didn't say that some of his columns have been worthwhile.

Simson has written some very good columns on R/O Wweek, Tech Square trivia, and No Nuke

zealots. I leave it to the reader to ask *The Tech* to do reprints of these columns in future issues.

Simson L. Garfinkel, I do think you're a nice guy, and I applaud your efforts to report about MIT life as you see it. In fact, I think you're one of the funniest events in *The Tech*'s history. Unfortunately, much of your writing is riddled with naiveté and ignorance. But at least you're trying to make a contribution to the MIT community.



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FRIDAY, OCTOBER 12, 1984 The Tech PAGE 7

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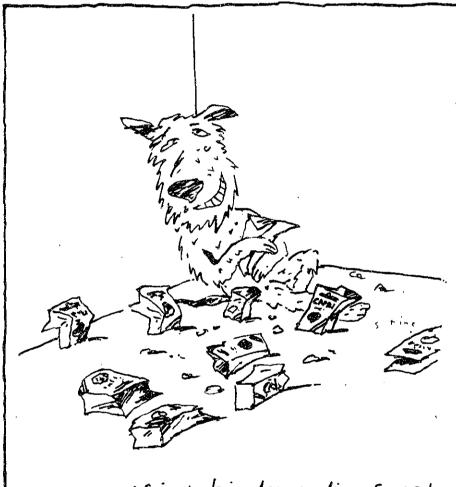


The Commencement Committee invites recommendations for speakers and/or topic areas from all members of the MIT Community for a Commencement speaker at MIT's Commencement on Monday 3 June 1984. The Commencement speaker should be one who will be able to address topics of relevance to MIT. Written nominations and topic areas may be dropped off at the following locations:

The Undergraduate Association Office — Room W20-401

The Graduate Student Council Office — Room 50-222
The Information Center — Room 7-121

Deadline for nominations and suggestions is 17 October. In addition, suggestions may be filed with any member of the speaker subcommittee of the Commencement Committee. They are: John H. Slater, Chairman; Donald R.F. Harleman, Ex-officio and Chairman of the Commencement Committee; Michael P. Candan, Senior Class President; William J. Hecht, Executive Vice President of the MIT Alumni Association: Rene J. LeClaire, President of the Graduaté Student Council; Walter L. Milne, Assistant to the Chairman of the Corporation and Assistant to the President: and Mary L. Morrissey, Director of the Information Center. The speaker subcommittee will review all suggestions and make a short list for submission to President Gray. The list will not be made public nor will it be rank ordered. The responsibility and authority for selecting a Commencement speaker and issuing an invitation will rest with President Gray.



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UA holds first meeting, discusses VI crowding

(Continued from page 4) will be to want to major in Course VI after two years here.

MIT's unique freedom of maior, together with freshman pass/ fail, is the reason MIT is able to attract such a large fraction of the small pool of admitted students who, while interested in science, have a bent toward the humanities. Because these students may appear least likely to go Course VI, they will probably be among those placed under restriction; because their alternatives will be Ivy League schools where they don't have to commit themselves in advance to fouryear programs, they are most likely to be driven away from MIT by the restriction.

There is no fair way to choose who will be allowed to go Course VI and who will not be, at any. point in the college career. Inevitably, some who have their hearts set on EECS degrees will be denied them, and some Course VI students whose interests change will remain in the department simply because with places so sought-after and limited, a Course VI degree looks like a sensible speculation in an unsteady market.

But at the very least, students must be able to use what they learn about engineering and their interest in it at MIT in deciding whether to apply for a position in EECS, so that everyone who honestly wants to go Course VI will have a better chance of being allowed to.

So far, only degree restriction has been suggested, not enrollment limits on specific subjects. This makes the proposal somewhat less abhorrent, but decreasing class sizes may be the next step after reducing the advisor and thesis load.

If I wanted to be an electrical engineer and were shut out of Course VI. I would major in a department allowing me considerable freedom in subject choice, such a science, joint-humanities, or undesignated major (such as 2A), and simply take all the EECS requirements.

To those who are dissatisfied with this way of getting around

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it, I ask what is more important to you, the school or the department? If you wanted a career in electrical engineering or computer science, would you rather have a math or management degree that says "Massachusetts Institute of Technology" on it, or a degree from Home State University that says "Electrical Engineering and Computer Science"? Such focus on the department is more often found in graduate schools.

In deciding how much more like a graduate school to make MIT, we must decide whether the Course VI overenrollment problem is here to stay. If high interest in EECS is indeed a chronic condition, the department must expand to meet the demand, and in the meantime the faculty must make good on their commitment to long-term solutions.

If this is a passing trend, the faculty must remember to destroy restricted enrollment after it has served its purpose. It is worth any price to keep open enrollment in majors in the long term; we cannot afford to become another technical school emphasizing skills at the expense of educa-

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window 5 minutes before our 7:30 p.m. post time. Then enjoy your evening! On Monday, Oct. 22, we will contact the one handicapper from each participating college who pickedor came closest to picking-8 straight winners. If you're the winner from your school, you'll win \$100, plus expense money to return to Rockingham for the finals on Nov. 2. (There will

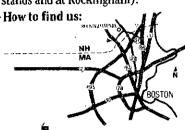
be a winner from each school.) In

case of tie, winner will be drawn by lot.
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Nov. 2! If you won the Qualifying Round, come back to Rockingham for a chance at \$500 more . . . following the same simple procedure again! (We'll furnish the handicapping

The one student who picks-or comes closest to picking-8 straight winners will win our \$500 prize! The winner will be notified by the conclusion of the evening's racing. He or she will receive the \$500 in an awards ceremony in the Winner's

How to prepare: To do your homework, read a basic book on thoroughbred handicapping. Also, familiarize yourself with the Daily Racing Form (available at newsstands and at Rockingham).





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- 4. To practice before the contest, come to

Rockingham and sharpen your handi-capping skills.

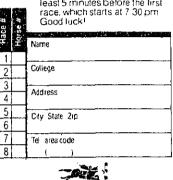
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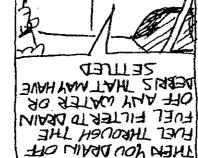
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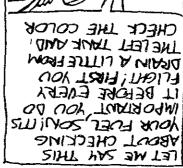
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ARTS

Kiri Can

Kiri Te Kanawa in recital at Symphony Hall Sunday, October 7.

Kiri Te Kanawa began her performance with two rarely heard Mozart songs. The first, *Chi sa, chi sa* sung evocatively, was careful in detail down to a little breathless touch to the word *timor*, fear.

Nehmt meinen Dank, carefully phrased, was given with fluency and poise.

A series of Schubert lieder followed next, the purity of Te Kanawa's almost disembodied voice in the spiritual Nacht und Träume contrasting with the urgency of Gretchen am Spinnrade (Gretchen at the Spinning-Wheel). This, the first Goethe song Schubert set to music tells of the longings of Gretchen for her young man. Perhaps in this piece the not inconsiderable talents of accompanist Martin Katz were displayed at their best: the soft rippling piano buoyed Kiri Te Kanawa's voice on a wave of tension, providing a journey smooth as a sleigh ride during which to explore the traveller's emotions. And with Te Kanawa's characterful singing, Gretchen came to life, by trip's end her frailty exposed to the full.

Among the Strauss lieder which followed, I liked Befreit the most. Kiri Te Kanawa sang it with delicacy, little peaks of tension rising effortlessly to consummate the song's innate profundity.



Fauré's Après un Rêve had a pleasant dreamy touch to it; Duparc's L'Invitation au Voyage derived power from understatement, perilous undercurrents on piano highlighting the expressive power of Te Kanawa's voice. The rustic charm of Duparc's Le Manoir de Rosemonde spilled over into selections from Canteloube's Chants d'Auvergne. Amongst encores to which we were treated, Kiri Te Kanawa sang a particularly affecting O, il mio

bambino caro.

Jonathan Richmond

Boston Symphony Orchestra starts new season

The Boston Symphony Orchestra opened their new season Wednesday night at 6:30 in Symphony Hall.

After a solid performance of Berlioz' Overture to Béatrice et Bénédict, James Galway came on stage to play Mozart's Flute Concerto no. 2 in D, K. 314. Despite some felicitous touches to Galway's solo work, a failure of orchestral coordination led to a sense of unbalance. The opening seemed hollow, almost harsh; some passages, a trifle rushed, came across muddy.

Things looked up, though, as we heard a strikingly beautiful rendition of the Andante. Galway in reflective mood exposed the raw truth of music which in its ecstatic sadness could only be the work of Mozart. Sympathetic strings added warmth and a depth to create a "whole" encapsulating the enigmas of the human and the mysteries of the divine.

The third movement contained a number of illuminating passages, the playful interchange between soloist and orchestra adding zest.

Rodrigo's Fantasia para un gentilhombre is a piece of many textures and, with the BSO revived to top form, Galway's performance shone out the more, orchestra and soloist transporting us to a cool evening in Spain. The gentle nocturnal breeziness of the Villano gave way to a majestic Ricercare. Dynamically pleasing string playing perfectly complemented Galway's evocative golden flute to present a bouquet of color for the Toques de la Caballeria de Napoles, which was followed by a regal Danza de las Hachas. Lightness and life characterized the spirited romp of a Canario to bring us to the finale.

Galway provided an enthusiastic audience with two encores — a Japanese folk tune and one from Ireland; both were done with panache. The concert ended with Tchaikovsky's Capriccio italien: perhaps all "first nights" must end on an upbeat and, given a tight and exciting treatment, it showed Ozawa and the BSO at their best.

Jonathan Richmond

THE 1984 HONEYWELL FUTURIST AWARDS COMPETITION

TRAVEL AGENDA: Your mission, should you decide to accept, is to transport yourself 25 years into the future, take a look around and write three essays of up to 500 words each. For the first two essays, you are to write about significant developments in any two of the following subject areas.

1) Electronic Communications, 2) Energy, 3) Aerospace, 4) Marine Systems. 5) Biomedical Technology or 6) Computers. In a third essay, you are to write about the societal impact of the changes you've predicted. Your entries will be judged according to creativity (30%), feasibility (30%), clarity of expression (30%) and legibility (10%).

PASSENGER QUALIFICATIONS: Any person enrolled as a regular full-time student at an accredited U.S. college or university may enter, with the exception of full-time faculty members, previous winners and Honeywell

PACKING LIST: To enter the contest, type (or clearly print) your name, address, college and declared major on an 8½ x 11" sheet of paper. We also need your T-shirt size so we can send you a Honeywell Futurist T-shirt designed by French illustrator Jean Michel Folon Each of the three essays should be typed, double-spaced, on separate 8½ x 11" sheets without your name at the top All sheets should be stapled together and sent, unfolded, to:

The Honeywell Futurist Awards Competition, P.O. Box 2009F, 600 South County Road 18, Minneapolis, Minnesota 55426.

All entries must be postmarked no later than December 31, 1984. Winners will be notified by mail by February 1, 1985. All prizes will be awarded.

PAYLOAD: A total of 30 winners will be selected and awarded the following prizes:

10 First Place Winners will receive \$2,000 and an all-expense paid trip for two to the Honeywell Futurist Awards Banquet in Minneapolis. They will also be offered a paid 1985 Honeywell Summer Internship.

10 Second Place Winners will receive \$250.

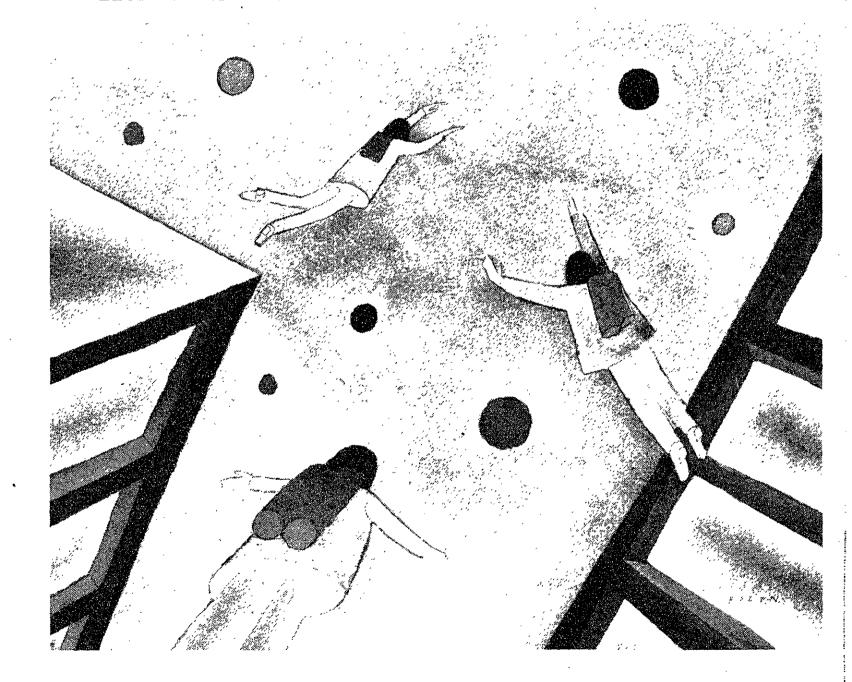
10 Honorable Mention Winners will receive \$100.

All entries are subject to official rules and regulations for participation and entry. If you are interested in receiving a copy of more detailed regulations, write: Futurist Rules, P.O. Box 2009, 600 South County Road 18, Minneapolis, Minnesota 55426.

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ARTS

Hasty Pudding changes pace

Jeeves Takes Charge, based on novels by P.G. Wodehouse's novels, adapted and performed by Edward Duke; at the Hasty Pudding Theatre (12 Holyoke Street, half a block from Mass Ave. in Harvard Square) until October 28. Performances at 8pm Tuesday through Sunday, 2 pm Saturday and 3 pm Sunday. \$10 for students and senior citizens (all seats and shows), \$15 for others (all shows except Friday and Saturday evenings which are \$18). Call 867-1227 for reservations or 497-1118 for Theatrecharge.

Harvard's Hasty Pudding Theatre is best known for its "hairy leg" musicals where one can see the future leaders of America in drag. Now, it can add to its list of accomplishments the current production of Jeeves Takes Charge, a one-man play based on the novels of P.G. Wodehouse. This show was difficult to review; since I enjoy Wodehouse's light comedy, I was unable to find fault with it. Even if you have never read Wodehouse, you should go just to see Edward Duke's performance.

Duke has distilled decades of Wodehouse's writing into this play. He performs the title role and eleven others with great skill. With the drop of a monocle, he goes from master to mastered. While one would not swear there were two actors on stage, at times one cannot be sure.

The show focuses on the trials of Bertram Wooster, consummate young gentleman. "[He was born] at the age of 24 in 1917; [he is] 24 to this day," declares the program with classic understatement. Mr. Wooster is shielded from the outside world by his valet and personal gentleman, the "shimmering" Reginald Jeeves. While much of Jeeves's personal history is unknown, he has served some of the finest in Britain, including such noteworthies as Lord Worplesdon and Mr. Augustus Fink-Nottle.

The play starts in Bertie's private club. Supported by a set of cardboard friends, Edward Duke introduces the major characters and through the marvel of quick-change, jumps right into the first scene and we find out how the inimitable Jeeves

came to be Bertie's guardian.

The basic humor of the Jeeves stories comes from the reversal of the roles of master and servant. By the end of the first scene, Duke has firmly convinced the audience of who is in charge, leaving him free to prolong Bertie's pain and our enjoyment.

The second act shows us how fortunate Bertie is to have Jeeves, as we watch him forced by his aunt to perform at a village concert. We are treated to the story of the alcohol-induced delirium of the aforementioned Fink-Nottle and the subsequent mayhem at a School Prize-Day. After this shattering portrayal of a newt-lover and his beloved, "the woman God forgot," Bertie finishes off his performance and the play with rousing rendition of "Sonny Boy" and a spirited tapdance.

I cannot quote any pearls from the play; I was laughing too hard to take notes. Besides, to repeat any of them, while elevating the tone of this review, would only detract from your enjoyment when you see

Ken Meltsner



Edward Duke as Jeeves

Klezmer brings class to Harvard



The Klezmer Conservatory Duna

The Klezmer Conservatory Band directed by Hankus Netsky performed last Sunday in Harvard's Sanders Theater. Their next performance in this area will be on December 9th at the Museum of Fine Arts.

It was a concert of differences; two MIT students listening to Yiddish music in a Harvard church. Although the vaulted ceiling and elaborate ornamentation enhanced the music, the *Ve Ri Tas* was a mild distraction.

I entered the theater unsure of what to expect. Having survived the Jewish High Holidays with a minimum of tsuris, I vaguely imagined a second prayer session possibly with the exception that I wouldn't be standing up half the time. Au contraire, bubbele, I felt more as if I had entered a polka festival.

The 8 o'clock performance started promptly at 8:20 as most of the crowd was still operating under JST (Jewish Standard Time).

For those of you as unfamiliar with klezmer as I was, it is a fast-paced, high-pitched jazz-type style of music with many other blends of *Yiddishe* spirit thrown in too. The band played a Jewish Charleston,

but my favorite was the piece they call the "Miami Rumba."

The band itself is a motley group. They were dressed in many different types of clothing and were obviously from many different ethnic backgrounds. When they aren't playing, they're dancing, and sometimes even when they're playing they're dancing. Individual members showed their general musical proficiency by playing two or three different instruments during the course of the evening.

Vocalist Judy Bressler leads the audience through the performance. Interpreting when necessary, she demonstrates a great knowledge of Yiddish language, culture, and history. Her voice has the range and tone required by the music and is complemented by her well-tuned sense of humor. She described, at one point, the music as "Yiddishe-fusion," and at another point she defines ksatskis as "Yiddish breakdancing."

The band is well worth hearing. Be sure to go see them perform at the Museum of Fine Arts on December 9th. Your grandmother would be proud!

Ronald Becker

ON THE TOWN

Friday, October 12

The Boston Symphony Orchestra plays the Bach/Schoenberg Prelude and Fugue in E-flat, BWV 552, St. Anne, the world premiere of Wilson's Sinfonia, commissioned by the BSO for its centennial and Schumann's Symphony No. 3, Rhenish today at 2 pm and tomorrow and Tuesday at 8 pm at Symphony Hall. Rush seats are available for BSO performances on Fridays and Saturday from 9 am on Fridays and from 5 pm on Saturdays, price \$5. Call 266-1492 for information.

LSC's classic film presentation is a double feature. Two silent classics, Charlie Chaplin's **The Kid** and Buster Keaton's **Sherlock Jr.**, will be shown at 7:30 pm in 10-250.

Where's "right-to-know" when you need it? LSC shows **Silkwood**, a stirring drama about a radioactive waste frame-up, to-night at 7 and 10 pm in 26-100.

Ransom Wilson, flautist, opens the Charles River Concerts 1984-85 season tonight at 8 pm in Jordan Hall with the Boston premiere of Reich's Vermont Counterpoint. Call 536-2412 for information.

Saturday, October 13
The Emmanuel Wind Quintet will be aided

and abetted by computer at 8 pm tonight in Kresge Auditorium. The world premiere of Martin Brody's Doubles will be followed by Brody's Moments musicaux, Jacob Druckman's Delizie contente che l'alme beate, Paul Lansky's Six Fantasies on a theme by Thomas Campion, and Dexter Morrill's Studies for Trumpet and Computer. \$3 for students and seniors, \$6 for others.

At the **Museum of Science**, there will be an exhibit of sculpting techniques. "A Touching Experience" will include demonstrations as well as hands-on experience. For more information call the Museum at 723-2500.

At the Metropolitan Boston Zoos there will be animal demonstrations. Discuss the sounds, smells, sights and feel of animals at the education centers. For more information call 442-2002.

The first in the James Bond series, **Dr. No**, will emblazon the screen in 26-100 at 7 and 10 pm tonight. LSC does it again, a magnificent movie. Admission a mere dollar.

SCC's Midnight Movie tonight will be Galaxina. This film will be shown in Lobdell Dining Hall at 11 pm. Admission is free.

Sunday, October 14

The New England Conservatory Wind Ensemble performs at the Gardner Museum at 3 pm. 734-1359.

P.D.Q. Bach threatens to disrupt the intellectual level of Boston musical life tonight at 8 pm in Symphony Hall. Call 266-1492 for information.

If you can't make the P.D.Q. Bach performace but you are just aching for a good laugh, see The Four Musketeers tonight in 26-100 at 6:30 and 9:30 pm. Sponsored by LSC, good times abound.

The Boston Chamber Music Society opens their season tonight with works by Beethoven, Dahl and Tchaikovsky. Sanders Theatre at 8 pm. 522-3555.

Monday, October 15

The Cleveland Orchestra is in town under their new conductor Christoph von Dohányi. On the bill is J. C. Bach's Sinfonia, op. 18, No. 3, Schumann's Violin Concerto, and Dvorak's New World Symphony. 8 pm in Symphony Hall; 266-1492 for information.

D'Anna Fortunato will sing works by Handel, Falla, Debussy, Fauré and others at the Longy School of Music, One Follen

St. (near Harvard) tonight at 8 pm. 876-0956 for information.

Wednesday, October 17
The Beaux Arts Trio plays works by Hum-

mel, Shostakovich and Schubert tonight in Sanders Theatre at 8 pm. Call 495-1700 for information.

Tonight John Casini, Director of the Galileo Project will speak in 26-100 about this adventurous program to land an unmanned expedition on Jupiter. This event is sponsored by LSC and there will be no admission fee.

If you think that the world is much like LSC Short Feature, then you'll love hearing **Chuck Jones** speak. He will make a personal appearance at New England Life Hall, 225 Clarendon Street, in Boston. For more information call David Mendelsohn at the Off the Wall Cinema, 547-5255.

Thursday, October 18

The MIT Community Players opens its '84-'85 season tonight with two staged readings. "Ruling Passion" and "Up on the Roof" will be performed in Kresge Little Theater at 7 pm.

Ronald E. Becker Jonathan Richmond

Defense Department relaxes its unclassified research restraints

(Continued from page 1) ports, specifically technology and technical data, he explained.

The act is being held up in a House-Senate committee pending renewal and will probably fail,

UA puts off elections

(Continued from page 1) Finance Board elections were also on the agenda, but were postponed because two representatives who had expressed interest in positions on the Board were not able to attend.

About 20 people attended the meeting, which lasted just over an hour. Libby attributed the low turnout to a 6.001 exam and the vice presidential debate, both of which occurred at the same time as the meeting.

Menand said. Failure would end

the government's legal authority

to restrict the free flow of non-

classified information, he added.

the relaxing controls on research,

There are several reasons for

Menand said. The reasons include the pressure brought to bear by industry, whose research is under similar constraints, and a division within the Pentagon itself concerning the utility and appropriateness of the restrictions, he said.

"There is obviously a thin line between the importance of national security and the need for information to be exchanged freely," Milne said. "Science moves best when the exchange is open."

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Ortega supports Contadora movement

· (Continued from page 2) would maintain a military advantage, Gutiérrez said. "The first thing to do is agree on limits and then freeze them," he said.

Representatives from El Salvador and Honduras also saw the need for changes in the peace

Ortega said, "We studied it carefully and for the benefit and sake of peace, we accepted it [on Sept. 21] . . . exactly as presented by Contadora."

The United States insisted that Nicaragua support Contadora at the bilateral meetings held this summer in Mexico, he said. "They had been telling us: no concrete agreement until after Contadora."

Now, however, the United States has questioned formalities and verification procedures of the peace agreement. Ortega said this was just to undermine the negotiations.

Martin Diskin, MIT professor of anthropology, said, "Washington's abrupt reversal of support for the Contadora proposal after Nicaragua agreed to sign casts doubt on the willingness of the United States to allow Central American countries to solve their own problems."

Harvard Visiting Professor Carlos Fuentes, a Mexican diplomat, emphasized at the forum that the region is facing two alternatives: war or peace. The United States should "negotiate, or let negotiate."

The Harvard Law School Forum and the Sociedad Inter-Americana of Harvard Law School sponsored the presenta-



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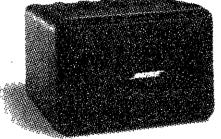
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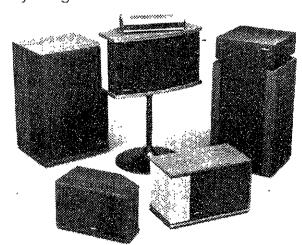
The founders of Bose, all from the field of science, decided that Bose would reinvest 100 percent of its earnings back into the corporation to maintain the research that was responsible for the birth of the 901 loudspeaker. This has resulted in a complete line of speakers suited for every listening taste and every budget.



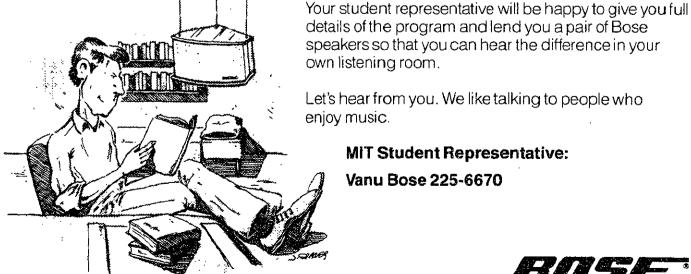
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SENIORS: Senior portrait sittings are coming up soon. The dates are Oct. 22 to Oct. 26 and Oct. 29 to Nov. 2. This is your last chance to have your picture taken to go into **Technique 1985** so don't miss it. Make an appointment to have your picture taken soon.

PHOTO CONTEST: We will soon announce a B&W photo contest. The winners of which will appear in **Technique** 1985. Get out those cameras and clean up the lenses. Details to follow soon.

PROSPECTIVE STAFF: Our first deadline is Oct. 22. If you are interested in helping to put together **Technique** 1985 now would be a great time to come by our office. You can come by our office anytime and help, but there will be people there for sure on Saturday at noon.

CURRENT STAFF: Speaking of deadlines, don't forget that we have one soon. We need everyone that can help at all moments of the week. The office is not as full as you might think it would be a week before a deadline.

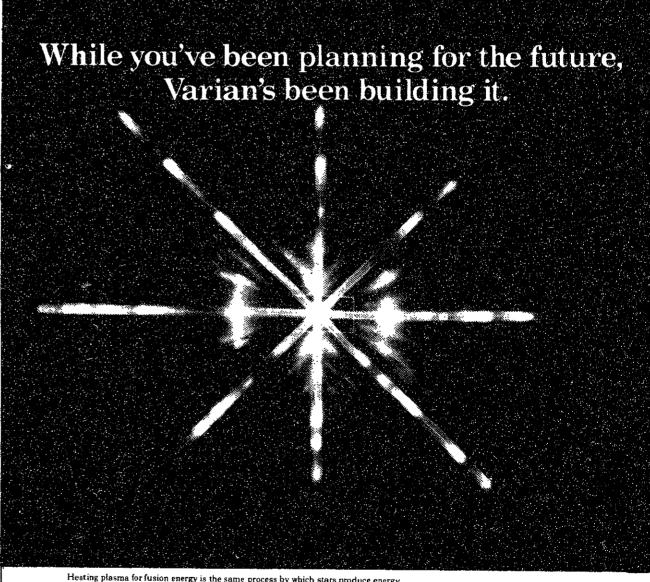
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ARTS

The Singing Computer

Prairie Home Computer, a performance art vaudeville act by Eric Hughes and RU12; October 5 at Mobius, 354 Congress Street, Boston; for information call 542-7416.

The show started half an hour late because RU12 forgot his lines. Later, when Eric Hughes walked in wearing a UPC bar code sports shirt — part of the "New Fall Left-Brain Fashion collection" — I knew it wasn't going to be a traditional vaudeville act.

The performance consisted of many short technology based skits, from slides featuring new-wave telephones to jokes about micro-chips and barcodes. Although Hughes said that the show was going to be "close captioned for the computer illiterate," a few members of the audience confided in me afterwards that they had problems keeping up with the techno-humor. For an average MIT student, though, there would be no problem at all.

About half way through the performance, Hughes broke from talking about "Art from the Left Side of the Brain" to

touch apon "Science from the Right Side of the Brain." "It's not really science, and it's not really magic — it's just real," explained Hughes, as he set up an experiment that Phillip Morrison had allegedly told him about. Hughes then attempted to demonstrate the properties of non-Newtonian fluids by slamming his hand into a bowl of liquid corn-starch. It didn't work.

Eric Hughes seems to be an old MIT groupie. He says that he likes to hang around during IAP and will be here again this year. In addition to performing, Hughes writes regularly on technology and humor. He is the coordinator of the Boston Bimillienia Celebration, which will be bringing the "Tall Buildings to Boston for the Year 2000 Weekend." (He showed a slide of how they're going to get the World Trade Center into Boston Harbor).

Hughes' co-host, RU12, is a DEC Rainbow 100 personal computer equiped with a "DecTalk" speech synthesizer. Throughout the show, RU12 mumbles, speaks and sings. The singing, including a rendition of Frank Sinatra's "New York," was by far

the easiest to understand. A bit harder was the report from the Olympic Boxing Competition, broadcast "live" from a computer warehouse on Route 128. Unfortunately, most people in the audience found the subtle acts, such as "speed-listening" and the "consultant user's guide for consultant assistants" just plain unintelligible. It was a shame, because the material was very funny.

The show was recorded direct to a laser disk under the auditorium. From there it will be transfered to a time capsule with a sign saying "do not open 'till 2020." Hughes thinks that it will be safe.

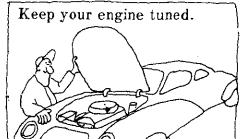
Mobius is an artist-run, alternative performance space, primarily for use by experimental art and artists. It is supported, in part, by the Massachusetts Council on the Arts and Humanities and through the Boston Arts Lottery. A bit off the beaten trail, it's well worth the four-block walk from South Station.

Simson L. Garfinkel

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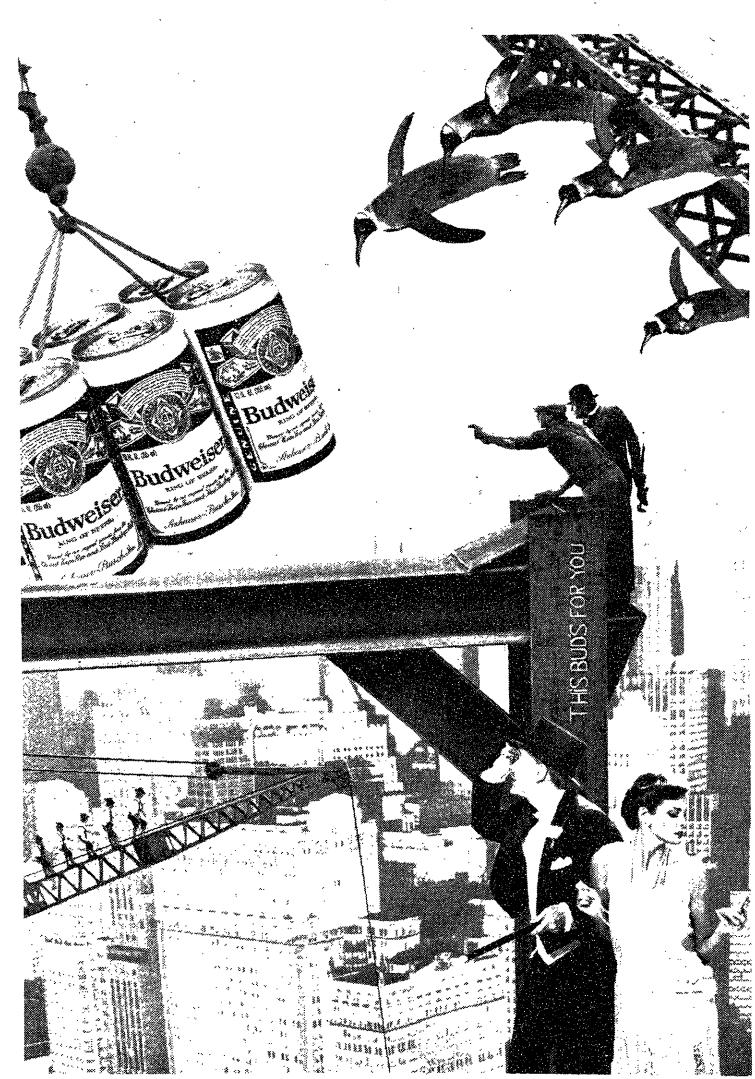
Zenith amber video display monitor with built-in modem Number ZVM-122 and Zenith keyboard ZTX-11 in cartons including manuals. \$420. 267-3040.

The Lincoln Laboratory Professional Women's Network, an organization of technical women at Lincoln, cordially invites all MIT women students to an informal reception on Tuesday, October 11 in the Emma Rogers Room from 4:30 to 6:30 pm. Refreshments will be served.

HP41CV FOR SALE. Includes: Magnetic card reader, financial module, 120+ magnetic cards, many engineering and business programs. Call 876-8078. Best offer.

The MIT Equipment Exchange offers surplus equipment and used typewriters to students and staff at reasonable prices. Located in Building NW30, 224 Albany Street. Open Mon., Weds., Fri., 10 am—1pm.





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Carpenter lectures on space

(Continued from page 2)

then in the air and underwater, it is only natural that conflict extend to outer space.

"If we are to keep our strength and freedom," he added, "we must master this new medium."

In addition to the success of their present manned and unmanned space projects, Carpenter said, the Russians plan to build two types of space shuttles and two orbiting manned space stations, one of which to hold fifty cosmonauts and the other one hundred.

"The Russians lead us in resolve," Carpenter warned. "We are in peril . ."

Competition in space, he said, is not necessarily dangerous to world peace: "I firmly believe that the competition between the

United States and the Soviet Union" in the space race has been "instrumental" in keeping the two out of war.

He is optimistic about the future for manned space flight. "The future for the next two decades will involve the Shuttle it's a marvelous machine," he said. The former astronaut also mentioned space station plans, manufacturing in earth orbit, and a return to the moon as future hopes. He was especially excited about the possibility of a manned mission to Mars.

Carpenter warned about "naysayers" who think such projects are impossible. In particular, he said a committee had delayed Alan Shepard's space flight because of feared hazards of weightlessness — a fear allayed by Yuri Gagarin's achievement of

the first manned space flight. Shepard could have attained the first space flight had it not been for the delay, Carpenter said.

He praised Tom Wolfe's book, The Right Stuff, about the astronauts of the early space program, and its film version. "The movie ... is essentially accurate," Carpenter said, but added, "it was not a documentary; if it were, no one would have gone."

The film "recreates the spirit of the times," he added. It was a time of national unity, he said, a time when everyone was together in the space program.

After his remarks, Carpenter fielded questions from the audience on the possibilities of extraterrestrial life, the future of space flight, and the details about bathroom design for spacecraft.

FRIDAY, OCTOBER 12, 1984 The Tech PAGE 15

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notices

Announcements

Add Date is Today, October 12. The Registrar's Office would like to remind students that corrections cards will not be accepted without all the necessary signatures. You are urged to obtain all signatures well before deadlines

to avoid having to petition the CAP for approval to make a late change. If your advisor is unavailable, contact your undergraduate office or department headquarter. Freshmen should go to the Undergraduate Academic Support Office, Room 7-104.

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When and Where?

Monday, October 15, 4:00-5:00 p.m. Faculty Club Penthouse (7th Floor) 50 Memorial Drive, Bldg. E52

What else?

Wine and cheese informal mixer with various GE technical recruiters.

When and Where?

Immediately following recent MIT graduate's presentations 5:00-6:00 p.m. Faculty Club Lounge (6th Floor)

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notices

The German Academic Exchange Service (DAAD) announces the availability of scholarships for students and faculty members: German Studies Summer Seminar at the University of Marburg during June/July 1985. This 4-week course is designed for faculty members and, in exceptional cases, Ph.D. candidates. The seminar provides intensive language courses, seminars and lectures on political, social and economic aspects of contemporary Germany. In addition, meetings with representatives of professional groups, and excursions to places of interest are on the agenda. Deutschlandkundlicher Sommerkurs at Regensburg University. This course offers a 6-week German Studies program providing language instruction and concentrating on historical, cultural and economic aspects of contemporary Germany. Students from all fields with at least junior status and a good working knowledge of German are eligible. All application deadlines are January 31, 1985. For further information and application forms, please contact German Academic Exchange Service, 535 Fifth Avenue, Suite 1107, New York, NY 10017 or call 212-599-0464.

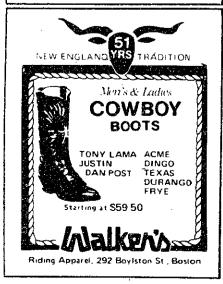
The MIT Dance Company School of Boston presents its ninth year of dance education, offering two fifteen week sessions from September to May. MIT continues its extensive Children's Program for ages 3 to 14, as well as teen and adult classes in modern and jazz. Classes run Monday through Saturday with levels ranging from novice to professional. Aerobics is also offered in the evenings. The School is located at 551 Tremont Street in the Boston Center for the Arts. For more information, please call 482-0351.

The National Consortium for Graduate Degrees for Minorities in Engineering, Inc. (GEM) is now accepting applications for its Graduate Fellowship Program which will provide one hundredfifty awards to minority students in engineering. Candidates for participation must be American Indian, Black American, Mexican American, or Puerto Rican. Each fellowship pays full tuition and fees at a member university and a stipend of \$5000 for the academic year, as well as provides summer employment at a mem-



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ber-research laboratory. Deadline for application material for the 1985-86 fellowship year is December 1, 1984. For further information contact: Graduate Engineering for Minorities, P.O. Box 537, Notre Dame, Indiana 46556.

The Peace Corps is offering skilltraining for programs utilizing the backgrounds of college graduates with mathematics and science minors. Peace Corps volunteers serve for two years. During their service they receive a generous living allowance, paid travel, training and health care. A post-service readjustment allowance of \$175 per month is paid to each volunteer. For information on Peace Corps service. call 223-6366 or 7366, or write PEACE CORPS, 1405 McCormack POCH, Boston, MA 02109

The General Electric Foundation and the Ford Foundation have made loans available for engineering Ph.D. candidates interested in teaching careers. The loans will be 25% forgiven for each year of full-time service on an engineering or computer science faculty.

Applicants should file a Financial Need Determination Form with the Student Financial Aid Office and Contact Assistant Dean of Engineering for Administration Donna R. Savicki for an interview. For more information, please contact Dean Savicki at x3-3294.

Help Feed the Silicon Monster



Join us for a Cider & Cheese Party on Wednesday, October 17, from 7:00 PM to 9:00 PM, Building 4, Room 149.

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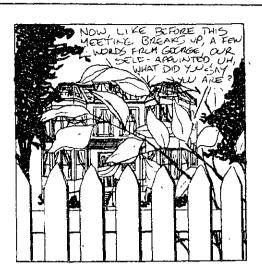
We want programmers who will create Microsoft High Performance Software. Microsoft offers an excellent compensation and benefits package. Jo Ann Rahal, Technical Recruiter, Dept. WZ, MICROSOFT CORPORATION, 10700 Northup Way, Box 97200, Bellevue, Washington 98009. We are an equal opportunity employer.

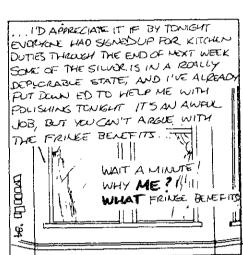
We will be interviewing on campus Friday, October 19, 1984. Please contact your career placement office for schedule information.

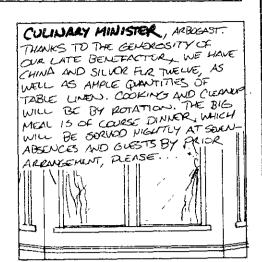


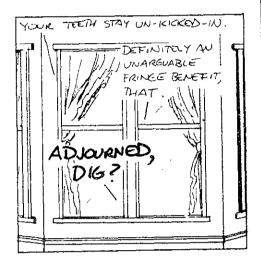
comics

Outside Looking In By V. Michael Bove

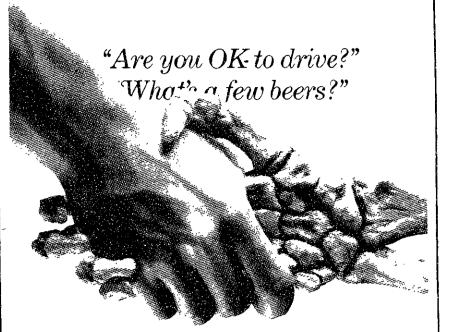








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ON THE FRONT LINE...



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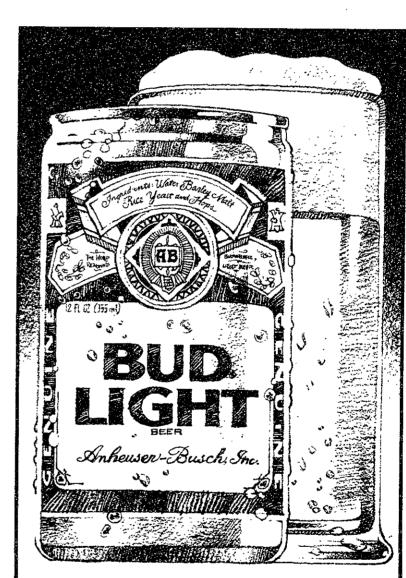


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your loest,
Engineers.

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sports



Tech photo by Jim Butler

Two MIT defenders bring a Jasper kick-off return to an abrupt halt Saturday.

Football club wins

he was injured in the fourth quarter.

The defensive unit shut down a shaky Manhattan offense, despite almost single-handed efforts by brothers Bob and Tom O'Neill, who were the only Jaspers to run the ball.

The Engineers quickly doubleteamed running back Tom O'-Neill; even a change of numbers during half-time could not throw the defense off his track.

Quarterback Bob O'Neill was also hounded by the defense. John Dawley '87 and Nick Nowak '86 each pulled in an interception. Dawley's interception set up the team's second touchdown.

Other key defensive plays were made by co-captain Mike Ambrogi '85, who broke up a long pass, and by defensive tackle Larry Monroe G, who swatted down another pass.

Saturday's game marks the third time in as many games that the MIT defense has given up fewer than 100 yards on the

ground. Manhattan's managed only 73 yards, compared to the Engineers' 270.

The Engineers' demonstrated the intensity of their play on the final scoring drive. MIT, beginning on its own one-yard line, marched relentlessly downfield, disregarding its 28-6 lead.

This kind of determination will be needed to face the tougher challenges of the next few weeks, according to coach Dwight Smith.

The Engineers will try to extend their three-game winning streak tomorrow at Assumption.

Erratum

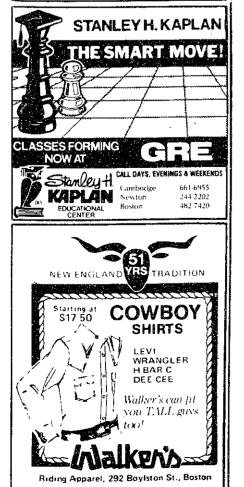
The results of the debate team's first match in last Friday's *Tech* were reported incorrectly. Richard Seitz '88 won first place speaker award, and captain Marrell Davis '88 won second place.

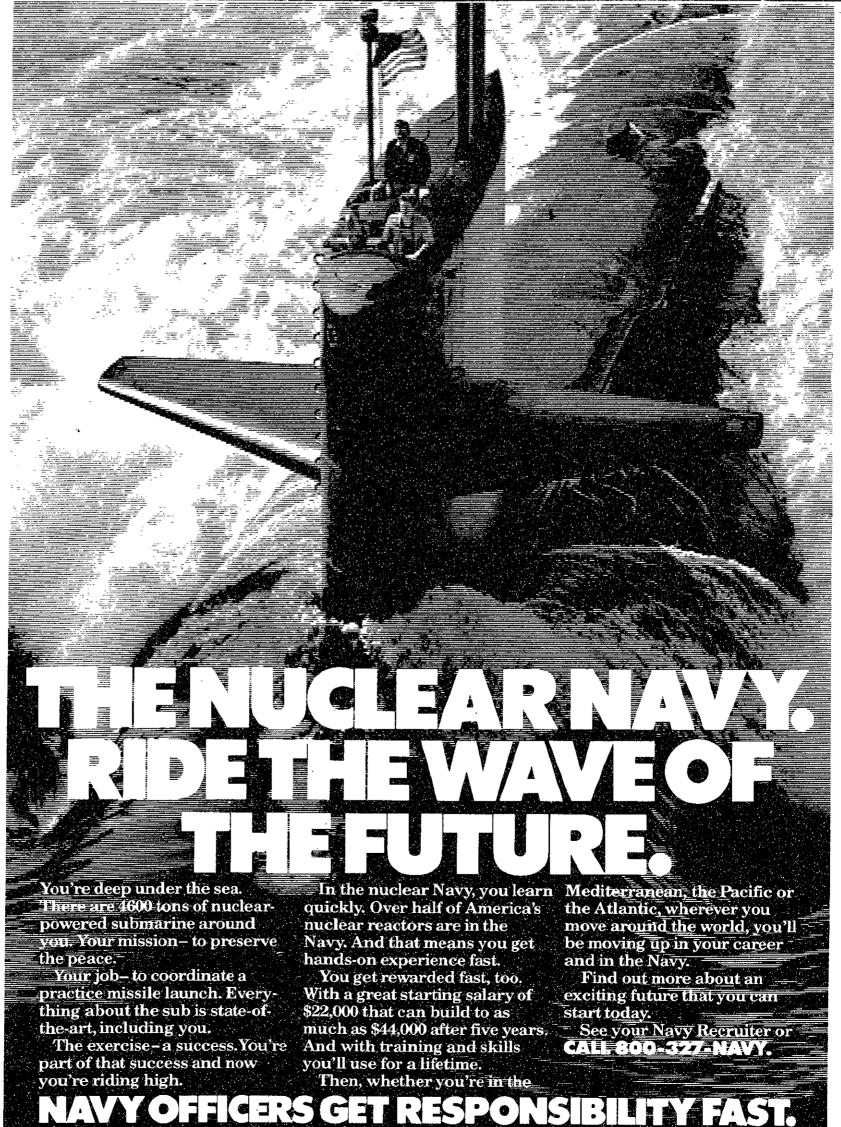




join the great american smokeout Nov.15

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sports

Football club trounces hapless Jaspers, 34-6

By Janice Marchiafava

The football club won its third game in a row Saturday, rolling over visiting Manhattan College, 34-6. Impressive play from the offensive unit combined with a consistently strong defense to outclass the weaker Jaspers.

Dan Curran '85 sparked the MIT offense, scoring four of his team's five touchdowns. Curran used his strength in a number of tough third down situations, often taking one or two defenders along for the ride to the first down.

Running backs Chris Adams '87 and Hugh Ekberg '88 joined Curran in the backfield. Adams, returning from a knee injury, was a major factor in the rushing game until he injured his ankle in the third quarter.

Ekberg came on in the second half to fill the void left by

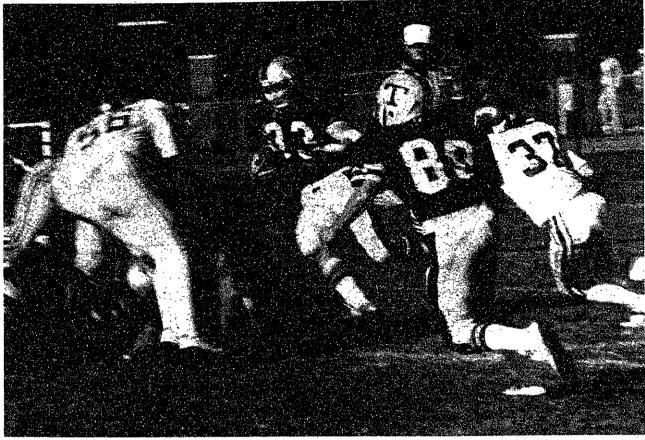
Adams' departure, rushing for five first downs, and a total of 96 vards.

When he was not calling on one of his three backs, quarter-back Dave Broecker G added some key plays of his own. Broecker had two important rushes for first downs, one for 20 yards, the other for 22, and he ran the 12 yards for MIT's final touchdown.

Split end Jason Jonas '88 consolidated his position as the team's top receiver with three catches, one stripped from a potential interceptor, for 75 yards. Wide receiver Kerry Hooks '85 added another 42 yards on three receptions, including a 23-yard strike to set up the final touchdown.

Kicker Peter Gasparini '88 showed increased consistency, making all four extra points until

(Please turn to page 19)



Tech photo by Jim Butler

Running back Hugh Ekberg '88 (#33) sprints for a hole in Saturday's 34-6 romp over Manhattan, while teammate Jason Jonas '88 (#80) looks on.

Shooters stumble

By Jerry Martin

The pistol team traveled to Ohio Columbus Day weekend to shoot against the Ohio State Buckeyes. MIT suffered its first loss of the year in a close best-two of three match

two-of-three match.

The competition opened with the free pistol event, pitting the inexperienced MIT team against a seasoned squad of Ohio State seniors. Jerry Martin '86 took second place in the event with a 254 out of 300, and team captain Roberto Landrau '85 also made a strong showing, but the Engineers fell short, 988 to 958.

The Engineers pulled even with a 1-2-3 finish in the standard pistol, an event which has traditionally been a weak one for MIT. Landrau, Martin, and Joseph LaRocca '87 swept the top three spots to lead they way to a 2110-1982 victory.

Martin and Landrau teamed up to take first and third places in air pistol, the rubber event of the match. First-semester shooter Kaveh Kardan '85 posted MIT's third highest score with a 521 out of 600, but the Buckeyes' scores were close enough for the hosts to edge the Engineers, 2145-2091, and take the match.

(Editor's note: Jerry Martin is the manager of the pistol team).

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