

The Tech

House proposes changes in aid

Loans, grants would be affected

By Sabrina Kwon

A House of Representatives subcommittee is currently considering changes to the Higher Education Act that could greatly expand Pell Grants and change several other aspects of federal financial aid. If enacted, the draft legislation, released by the House Subcommittee on Post-Secondary Education last week, would:

- gradually eliminate banks from the student loan process,
- nearly double the maximum and minimum sizes of Pell Grants and
- eliminate institutional accreditation as a necessary qualification for financial aid.

The most controversial feature of the proposed bill is the Direct Loan Program, in which students would get money directly from the federal government. This would cut banking middlemen out of the student loan picture, saving the government an estimated \$900 million the first year of the change.

These savings would come from the elimination of interest subsidies to banks and administrative allowances to guarantee agencies that the government currently shells out as part of the Stafford program. Bankers and guarantee-agency officials argue that this direct lending program would cost the government more money because of the high expense of reprogramming computer systems and retraining loan personnel.

MIT Associate Director of Student Financial Aid Stanley G. Hudson commented that the proposed plan would be more efficient than the existing Stafford Loan program. He attributed this efficiency to the bill's planned replacement of the many loan sources now available — a combination of banks and individual institutions — with a single supplier, the federal government. Hudson questioned whether the government had enough capital to support such an overhaul. "Whether or not the capital is available will affect the ultimate passage of the provision," Hudson said.

(Please turn to page 2)

Coop rebate goes down to 5 percent

By Alice Gilchrist

The annual Harvard Cooperative Society patronage rebate for the 1990-91 fiscal year dropped to 5 percent this year, down from 5.5 percent last year. The patronage rebate has been steadily falling since the late 1980s.

Even though the rebate was as high as 7.8 percent as recently as the 1987-88 fiscal year, Assistant to the Comptroller Jim Hughes said that he has not seen any "negative or adverse reaction [to the rebate] yet." Hughes did point out that it is difficult to tell how the patrons feel at this point, since rebate checks only became available Wednesday.

Pieter M. Pil G, a senior member of the Coop Board of Directors, explained that the declining percentage is linked to the recession. He said the "general retail environment is not well," which means the Coop has to run more sales in order to make a profit.

Hughes said there were complaints last year, when the rebate dropped from 7.0 percent to 5.5

percent. Hughes helped hand out the rebate checks last year and he overheard patrons remarking that the rebate was "less than last year's," although he also overheard some more optimistic people who commented that the rebate was at least "better than nothing."

Coop considering changes

In order to boost sales, Pil said that the board is considering changes to some aspects of individual Coop stores. He said that the board wants the Coop to be "more focused, like most stores." Steven Y. Schondorf '88, also a MIT representative on the Board of Directors, said that it seems as if the Coop is a "retail store like Filene's instead of the MIT university store."

Pil said that he does not know which departments will be affected, but that he personally has found that women's clothing at the Harvard Square Coop does not sell well, which may lead to

(Please turn to page 13)



Douglas D. Keller/The Tech

No need to adjust your newspaper, there really are two Michael S. Dukakis in this photo. Dukakis played the role of the interlocutor at Wednesday's colloquium in Kresge.

Institute debates teaching

Colloquium focuses on instruction vs. research

By Katherine Shim

Over 1000 students and faculty crowded into Kresge Auditorium on Wednesday afternoon to participate in an Institute colloquium entitled "Teaching Within a Research University." The event marked the conclusion of the "MIT: Shaping the Future series," — a set of lectures and colloquia held in celebration of the inauguration of President Charles M. Vest last spring.

"The discussion we are about to embark on this afternoon . . . is not limited to MIT — rather, it is part of a national debate about what is and is not being accomplished in the realm of teaching in our research universities," Vest said in his introductory remarks.

The colloquium focused on a Challenge Resolution, which

said: "MIT faculty are both teachers and researchers. At their best these two roles are mutually reinforcing. . . . In practice, however, they sometimes fall out of balance or even into conflict. . . . MIT should find specific ways to make teaching and research more closely complementary in the professional lives of all faculty members."

Excerpts from colloquium speeches, pages 10 and 11.

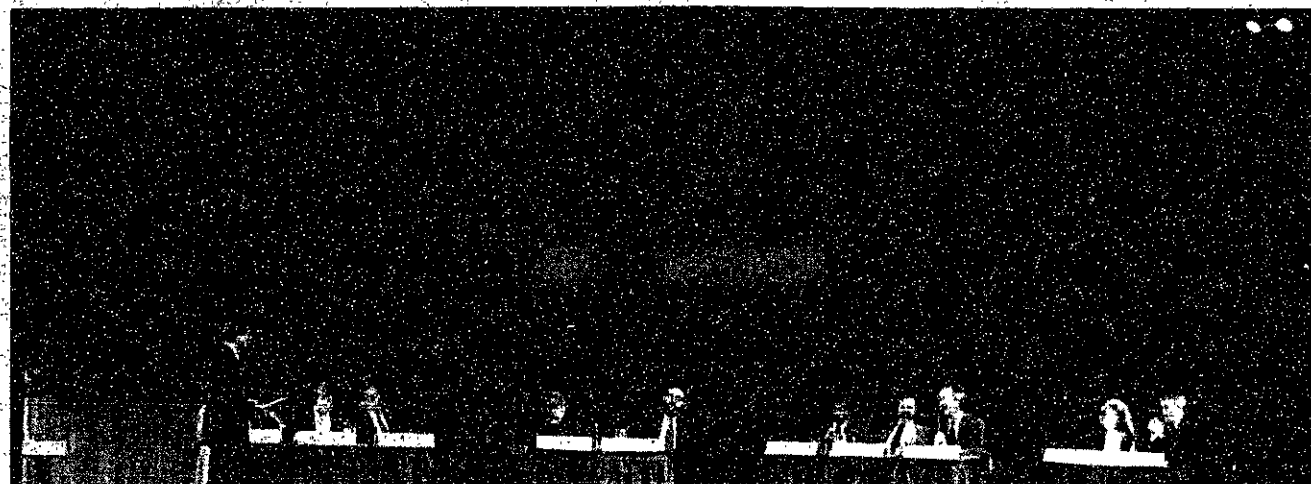
Panelists included Dean of the School of Science Robert J. Birgeneau, Ronald Chery G, Professor of Mechanical Engineering Woodie C. Flowers PhD '73, Vice President and Associate Provost for Research J. David Litster PhD '65, Dean of the School of

Engineering Joel Moses PhD '67, Associate Professor of Urban Studies and Planning J. Mark Davidson Schuster PhD '79, Colleen M. Schwengel '92, Head of the Department of Chemistry Robert J. Silbey, Professor of Literature Irene Tayler and Assistant Professor of Nuclear Engineering Jacquelyn C. Yanch.

Vest opened the colloquium with an introductory speech, and was followed by Former Governor of Massachusetts Michael S. Dukakis, who served as interlocutor. Provost Mark S. Wrighton gave the concluding remarks.

The colloquium was dedicated to former Dean for Undergraduate Education Margaret L. A. MacVicar '65, who died of cancer last Monday.

(Please turn to page 11)



Douglas D. Keller/The Tech

Prof. Woodie C. Flowers PhD '73 makes a point at the colloquium. A video projection screen helped those in the back of Kresge Auditorium see exactly who was speaking.

Cash stolen from Student Center BayBank

By Reuven M. Lerner

Approximately \$4000 in cash was stolen from the Julius A. Stratton '23 Student Center branch of BayBank/Harvard Trust on Tuesday afternoon, according to Chief of Campus Police Anne P. Glavin.

The robber, according to a special bulletin distributed by the Campus Police, was described as a white male wearing a blue jacket, dark pants, docksider boat shoes and a crimson baseball cap with the word "Harvard" written on it. The "suspect stated he had a weapon, but none was shown," the report added.

Glavin said that such robberies are "not a common thing," and that shoplifting in Student Center stores "really is the bigger problem." In "many of the shoplifting cases, the people doing the shoplifting have been apprehended," Glavin added.

Store managers at the Harvard Cooperative Society and Newbury Comics agreed with Glavin, saying that the Campus Police did a good job of patrolling the Student Center, and that there was no reason for them to worry about crime.

Glavin refused to say whether Campus Police would change their security tactics

now that the robbery had occurred, explaining that it would be inappropriate to discuss any such changes in a public forum. "Obviously, we have had discussions" with the store owners, but "not on any regular basis," she said.

The last robbery of the Student Center BayBank was last fall, when an unarmed man stole \$2250 from a teller after handing her a note. A BayBank representative explained at the time that the tellers are trained to follow the directions on robbers' notes, in order to ensure everyone's safety.

Spokesmen for BayBank did not return repeated telephone calls.

inside

Women fill prominent student positions. Page 2.

* * * * *

The Man in the Moon explores teenage emotions. Page 9.

* * * * *

Frankie and Johnny condones sexism, despite a top-notch cast. Page 9.

Women hold important student offices

By Karen Kaplan

Like MIT students in general, women on this campus "are characterized by extreme competence and high energy," Dean for Student Affairs Arthur C. Smith said recently.

WOMEN AT MIT

(Second in a series)

After decades of progress, women here are coming into their own. "Women are taken more seriously as time goes by," said Cynthia S. Starr '92, president of the MIT Panhellenic Conference,

which governs the four sororities on campus. "Compared to 10 years ago, they're taken more seriously, and 10 years from now they will be taken even more seriously."

Smith said MIT's female student body "covers a whole spectrum of people. Some have very strong mathematical skills, and others have a different set of skills. . . . I have always been impressed by their ability. They are very good at what they do."

Special relationship between men and women here

"Women and men on this campus interact in a way that I don't think they interact on other cam-

pus," Smith said. "Women here have a very high level of competence, and it leads them to deal with men on a different level."

"At other campuses, interactions between men and women are primarily social," Smith continued. "I've generally seen a much more equitable relationship between men and women here. They tend to treat each other in a way I would characterize as professional. They respect ability."

Undergraduate Association President Stacy E. McGeever '93 credited the core science requirements for the successful assimilation of women into MIT life. "I think the freshmen core courses at MIT are probably the best system for integrating women into a community that may, for various reasons, have tendencies to look down upon women."

She said that while at most schools, women who take science classes are "deviating from the norm," at MIT, "people don't look at women strangely in a physics class because everyone has to take it. I think that does good things in terms of equal footing for students at MIT."

Women dominate leadership positions on campus

This year, the UA, the Inter-

Fraternity Council and the Dormitory Council — three of the largest and most influential groups on campus — are all led by women. Given that women make up approximately one third of the MIT student body, this pattern may be significant.

Smith said he is not surprised by the abundance of women in leadership roles. "Women are committed and able on this campus, and if you are, you show up in places," he said. "I think it reflects the reality of MIT — that women here are very good and men, recognize them as very good."

IFC President Holly L. Simpson '92 shared this view. "It does say something good about women here," she explained. "It's not saying that women are superior to men, but it's not saying that they're inferior either. It shows that people out there feel that women can do as good a job as any man."

However, she said this sentiment was not shared by all. "I did hear that people were saying that a woman would never become president of the IFC, but I figured whoever was best qualified would win," she continued.

Judy Chin '92, president of DormCom, agreed that these

election results demonstrate that students believe women are as qualified as men to lead important organizations. "I find it encouraging that gender at such a gender-skewed school is less important than ability and effort in leadership roles," she said.

Starr also said she found the election results heartening. "I think the fact that there are women in all these elected positions shows that some people are taking women seriously. The fact that women are running for office shows that they feel like they have the opportunity, and that's a very good sign. The fact that they win, I don't know if that's a coincidence or not," she said.

McGeever, who is the third woman to head the UA, said she believes the fact that these major offices are all held by women is no more than a coincidence. "We're talking about three people out of over 1000 women on campus. I think what it demonstrates is that women at MIT run for office," she said.

Simpson and Chin also agreed that their offices were not indicative of a general trend. "I think it was just a coincidence," said Chin. "We all ran against males, and it could have gone the other way as well."

House plan would double Pell Grants

(Continued from page 1)

Accreditation link may be broken

Another controversial aspect of the bill is the subcommittee's proposal to break the long-standing link between accreditation and an institution's eligibility for federal financial aid. If the accrediting agencies were dismantled, as the bill proposes, state agencies would receive federal funding to compensate for the additional administration of universities that would become necessary. The bill also stipulates that the Department of Education regularly visit and re-evaluate the 9000 institutions which receive aid.

Staff Director of the House's Post-Secondary Education Panel Thomas R. Woianin commented last week that he agreed with the bill's proposal to eliminate accrediting agencies because of their reluctance to examine the "financial stability and administrative capabilities" of various institutions. Administrators of accrediting agencies and college officials are upset over this particular proposal, however. They claim that the bill, if enacted, could stifle the nation's voluntary accreditation system. Executive Director of the Commission on Colleges of the Southern Association of Colleges and Schools James T. Rogers said that state governments, if given more power to control accreditation standards, might allow political interests to limit academic freedoms on campuses.

Pell Grants could be doubled

Pell Grants are another facet of the Higher Education Act which the bill proposes to change. The panel hopes to raise the minimum grant to \$400 from \$200, and the maximum grant to \$4500 from \$2400. Furthermore, the plan would raise the income level for Pell Grant eligibility to \$44,000 from the current \$35,000.

The panel also proposes to simplify the current complicated financial aid procedure by eliminating companies, including the College Board, from the process, instead furnishing students with a free federal application. This application would also smooth the financial aid process for low-in-

come families by requiring only that they sign a statement saying their income falls below a certain level. Those institutions that want to obtain more financial information from students could have an additional form for students to fill out.

The Senate Subcommittee on Education, Arts and the Humanities is also working on a reauthorization bill similar to that of the House. The Senate bill is scheduled to be released sometime this month. If both bills are passed, lawmakers intend to join the key points of the two in a single bill, to be sent to the White House soon after the new year.

The idea behind the bills is to change the current balance between grants and loans, according to Brian Quinn, a spokesperson for Senator Edward M. Kennedy (D-Mass.). Quinn said that "only about 30 percent of financial aid is in the form of grants and 70 percent is in loans . . . the pending bill would bring the system closer back to the way it was [with 30 percent loans and 70 percent grants]."

According to Quinn, the proposed plan would focus more on helping out middle-class families who are not eligible for financial aid under current federal regulations. "There is no reason we should impoverish families by forcing them to triple mortgage their homes and trade away their lives in order to send their kids to college," he said. Quinn also commented that the system should give siblings in college more weight than it currently does.

If passed, the proposed bills would go into effect in the 1994-95 academic year. The Bursar's Office, however, is unsure if that is a realistic date because of all the legislative work involved. "It is too premature to tell when students will feel the effects of this bill," commented Associate Bursar Kate Wilson. "But the bill will certainly have significant effects on financial aid if it does go through," added Bursar Shirley M. Picardi.

Hudson, however, is unsure about the effects the bill will ultimately have on this country's financial aid system. "The final, reconciled bill will probably be very different from these proposals" after it goes through the law-making, Hudson said.

You never stop learning at AMD.

"Key to the success of any business or individual is the ability to learn from your achievements and your mistakes, then apply that knowledge to future endeavors.

During our 20 years in the semiconductor industry, AMD has accumulated a library of experience to draw from. With it we're able to build and better our business every day.

AMD takes the same stance with people. They believe employees should be constantly challenged. There's always something new to learn because we never stop improving our products and processes.

Given our positive attitude and dynamic technology, I'm very excited to be involved with AMD. You can be, too."

Dana is a Product Marketing Engineer with a BSEE, 1988, from UC Berkeley. When she isn't volunteering with MESA or tutoring at the local junior high school, Dana is educating AMD's customers about the benefits of our programmable logic devices.

AMD, the fifth-largest U.S.-based manufacturer of integrated circuits, is seeking new grads with BS/MS/PhD degrees in a variety of related fields for the following positions:

Design Engineer • Product Engineer • Graduate Training Program • Wafer FAB Engineer • Process Engineer • CAD Engineer • Technical Sales

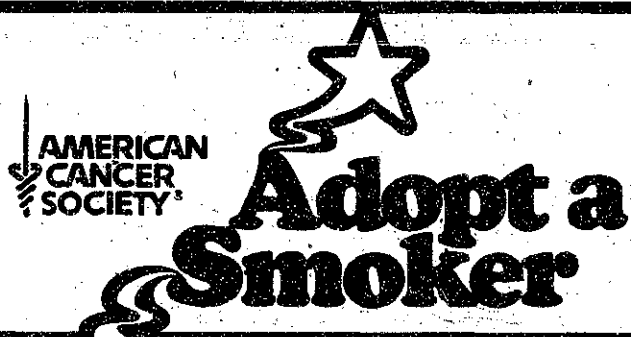
**Thursday, October 24
7:00pm-9:00pm
Bldg 4, Room 149**

You are invited to learn more about our leading-edge semiconductor opportunities. Visit us while we're on campus, or send your resume (indicating area of interest) to:
Advanced Micro Devices, University Recruiting, P.O. Box 3453, MS 935, Sunnyvale, CA 94088-3000.

We are an equal opportunity employer.

**Advanced
Micro
Devices**

The AMD Vision by Dana



This space donated by The Tech

news roundup

from the associated press wire

World

Truce in Yugoslavia may end soon

The latest truce in Yugoslavia might be going the way of all the previous ones. Fighting has again been reported between federal troops and Croatian forces. The European Community's chief negotiator for Yugoslavia is scheduled to meet with the UN Secretary General today to discuss the fighting, triggered by Croatia's declaration of independence. Croatian radio said yesterday's fighting between Croatian and Yugoslav federal forces in the land of Vukovar killed nine people and wounded 32.

Sharon may try to oust Shamir in next election

A showdown between Israeli Prime Minister Yitzhak Shamir and hard-line Housing Minister Ariel Sharon is brewing. Sharon said he will try to unseat Shamir in next year's general election. Sharon is a leading supporter of expanding Jewish settlements in the occupied territories and opposes the US plan for a Middle East peace conference. When he was defense minister, Sharon masterminded Israel's 1982 invasion of Lebanon.

US and Costa Rica meet to help El Salvador

President George Bush and Costa Rica's president are meeting today to decide how their countries can aid Costa Rica's neighbor, El Salvador, in its struggle for peace after a long civil war. A senior Bush administration official said they may also talk about Haiti, where a military coup ousted the nation's first democratically elected president. Costa Rica is Latin America's outstanding democracy, and the Bush administration wanted to hold it up as an example to other nations.

Cuba holds pro-communist conference

Cuba's embattled leadership held a closed-door conference on how to keep the country communist, while its former Marxist bankrollers head toward democracy and free markets. Foreign journalists were not allowed in, and the Communist Party did not release any information concerning the conference. Cuban President Fidel Castro said he will stand by his principles. However, American University's William Leogrande said Cuba's tottering economy may possibly force Castro to bend.

Nation

Poor sales in December

The nation's biggest retailers reported generally poor sales for September, further dimming the outlook for the Christmas shopping season and a strong economic recovery.

Many retailers found sales were little changed or even down from a year earlier, when business was weakened by the Persian Gulf crisis. Store owners said they continued to see evidence last month that consumers remain extremely cautious and are not making major purchases.

Even sales at Wal-Mart, which has been largely immune to the industry's slump, were disappointing and fell short of the company's usual strong performance. Discounter K-Mart, which had improved sales recently, found itself in the doldrums last month.

The results were a blow to economists, who had been hoping consumers would increase their spending levels. Since two-thirds of the gross national product comes from consumer spending, the recovery cannot proceed unless Americans increase their expenditures.

Fired postal worker charged with four counts of murder

Authorities said a fired postal worker who seized a Ridgewood, NJ, post office overnight will be charged with four counts of murder. Authorities charge that the man killed his former supervisor and another person at their home in Wayne before taking over the post office. They said he set off two explosives in the post office during a four hour standoff with police. After he surrendered, authorities said two mail handlers were found dead in the basement.

Bergen County Prosecutor John Fahy identified the suspect as 35-year-old Joseph Harris of Paterson. Fahy said Harris will be charged with four counts of murder, plus kidnapping and other charges. Fahy said Harris was wearing a gas mask and a bullet-proof vest, and was armed with a machine gun and a silencer, three or more hand grenades and a samurai sword.

Fahy said Harris was fired from the post office in April 1990. He said one of the victims was Harris' former supervisor at the post office, who filed a harassment complaint against Harris last year.

Federal researchers issue report on high school students and weapons

Federal researchers said one in five youths of high-school age — and nearly one in three boys — sometimes carries a gun, a knife or some other weapon. The findings are the latest from the government's 1990 survey of high school behavior, which has already reported that one in two kids are drinkers, one in three are smokers, and one in four has at some point seriously considered suicide.

According to the report, issued by the Centers for Disease Control, 20 percent of US high school students surveyed said they had carried a weapon at least once in the preceding month for protection or because they might need it in a fight. The survey did not ask specifically about weapons on school property.

Dr. James Mercy, a CDC official, acknowledged the possibility that some students might have lied to boast or be funny. However, he said some researchers believe an even larger number of students who carry weapons — especially guns — did not admit it, even anonymously.

Educators protest some principles of Columbus Day

One year before the 500th anniversary of Columbus' voyage to America, a group of educators is asking America's schools to rethink what they tell youngsters about Columbus' trip and its consequences.

The National Council for the Social Studies said schools should emphasize that Columbus' contribution was that he brought into contact — for good or for ill — two rich and thriving civilizations. The council asks that the students not be taught that Columbus discovered America, or that he found a new world.

The guidelines are endorsed by 27 educators' groups, representing geographers, anthropologists, American Indians, historians and others.

Local

Joe Morgan fired

Two days after his unexpected firing by the Boston Red Sox, former manager Joe Morgan summed it up when he said, "That's baseball." But Morgan did not believe the explanation given by General Manager Lou Gorman. Gorman claims that the Red Sox feared that the new manager, Butch Hobson, would be hired away.

Morgan told a news conference today that next season would have been his last as manager before retiring. He said Gorman could have told Hobson the job was his after next year. But Morgan said he is grateful to the Red Sox. He thanked team owner Jean Yawkey and the rest of the Red Sox management for giving him a chance to manage in the majors.

Morgan led the Red Sox to a pair of American League East titles in three and a half seasons.

Drug raids in Seekonk

Bristol County officials said two drug raids in Seekonk netted large amounts of cocaine and six suspects. District Attorney Paul Walsh said the six are slated for arraignment in Tauton District Court later today on drug trafficking charges.

The officers seized eight kilograms of cocaine in two separate sweeps in parking lots along Route 6 near Fall River. Five of the suspects gave Rhode Island addresses to the authorities, while the sixth is from New York. Two of the men arrested were identified as illegal aliens from Guatemala and Colombia. The street value of the cocaine seized is more than \$2 million.

Keyan Cunningham, head of the county's narcotics division, said the investigators believe the cocaine had been routed through the Providence area. He said the drugs appear to have originated in New York. Cunningham said two men were arrested yesterday afternoon when an undercover officer tried to buy three kilograms of cocaine.

Weather

Dull and Dry

A string of golden October days will unfortunately be interrupted for most of this weekend. First, a weak cold front will slowly move across our area on Friday, causing some showers. Then, a low pressure system, developing off the Carolinas, will move just to the east of Cape Cod by late Friday night, keeping the unsettled weather around. Yet another low will track from Ohio eastward, passing to our south by late Saturday. Finally, an upper air system will move through on Sunday, giving us clearing skies and fair hopes for a decent holiday on Monday.

Friday: Cloudy with occasional rain and drizzle. High around 64° F (18° C). Winds light, becoming onshore.

Friday night: Cloudy with some rain and patchy fog, especially along the coast. Low around 50-52° F (10-11° C).

Saturday: Continued cloudy and unsettled. Highs in the low to mid 60s (18° C).

Sunday: Afternoon clearing and cooler, winds shifting to northwest. Highs in upper 50s (14° C).

Forecast by Marek Zebrowski

Compiled by Alice Gilchrist

The Tech's Response Line

Do you have an opinion on an issue, or a comment about anything you saw in *The Tech*? Then tell us at our Response Line. Leave your

name, MIT affiliation, and evening phonenumber with your message. (*The*

Tech's business number will continue to be 253-1541.)

258-8219

opinion

EDITORIAL

Colloquium is a good start

Kresge Auditorium's filled seating during Wednesday's "Teaching Within a Research Institution" colloquium attests to the quality of this entertaining and relevant panel discussion. Over the past few months, the importance of quality teaching at MIT has become an increasingly sore point in student-faculty relations, and Wednesday's presentation is a positive step towards bringing various opinions on this issue together in a constructive debate. Michael Dukakis served as a humorous and effective interlocutor, and the discussion following the panel discussion was enjoyable and well organized.

Wednesday's colloquium was disappointing only in that the discussion revealed how divergent the views of students, faculty and administrators are, and how little the faculty and administration are willing to acknowledge students' grievances concerning present Institute faculty policies.

The panelists were principally faculty members; most student opinions were only conveyed to the group through the audience's frequent clapping and booing, and through hand polls taken by Dukakis. Frequently defensive, many faculty and administrators failed to acknowledge students' repeated concerns over the quality of teaching assistants and the structure of classes, leaving many students with a sensation of powerlessness. Not all faculty reacted in this way — most notable were Professor Harold Abelson PhD '73 and Professor J. Mark Davidson Schuster PhD '79, who defended students' rights to good teachers in a university setting. Their voices, however, were no substitute for additional students on the panel.

Such gaps in recognition, excusable in beginning discussions, will hopefully be diminished by further debate on the subject. We applaud the organizers of the colloquium, but hope its success will lead to further discussion and, more importantly, definitive review of Institute policy concerning the training and hiring of effective teachers.

Secret memo revealed

Column by Matthew H. Hersch

(Editor's Note: The Tech received a transcript of the following transmission, which was intercepted and decoded by several hairy graduate students beneath 26-100.)

From: Chairman, National Security Council
 Bureau Chief, Department of Dirty Tricks, Central Intelligence Agency
 cc: Head Sneak, National Security Agency
 Director, United States Information Agency
 Chairman, Joint Chiefs of Staff
 All "sales representatives" of the Ace Tomato Company
 MIT Associate Dean For Student Affairs
 James R. Tewhey

Subject: New World Order Policy Directive #17832

Due to rapidly emerging global trends, several sub-sections of New World Order Policy Directives #17830 and #17831 are no longer valid. Specifically, renewed fighting between Kurds and Iraqi troops, the ouster of Haitian President Jean-Bertrand Aristide by a military coup and US-Soviet nuclear arms reductions have warranted changes in inter-bureau operation.

Active immediately, *democracy* as used in internal memos will no longer be defined as "any government that likes us" or "any government which was constitutionally elected but clubs voters." Revelations that President Aristide had a notorious human rights record have provided Uncle George's administration with embarrassment, specifically since Uncle George came out in overwhelming support of Aristide after his ouster.

Operatives in all agencies should only engage in fostering peace and democracy in the world if they can win. Uncle George doesn't like a messy planet though, so remember, stability matters above all else.

The following phrases should be excised from all external documents:

Kurds
October Surprise
Education President
Environmental President
Tactical Nuclear Weapons (No tears now, it's not as if we can't make more if we need them, and Fuel Air Explosives work just as well.)

All good intelligence news from field agents should be routed directly to the nearest USIA field office for indiscriminate leaking. All bad news should be routed to Robert M. Gates for conversion to good news and indiscriminate leaking.

When in doubt, blame the press.
 White House Chief of Staff John Sununu is no longer permitted to commute to the White House in the B-2 bombers, as excessive use has already caused the aircraft to suffer metal fatigue. National Security Council inquiries have also determined that Sununu's radar signature is large enough to compromise the stealth nature of the aircraft, and may have been responsible for the B-2's recent radar evasion test failures.

Uncle George and Gorby's nuclear weapons reduction contest is getting close. George really has his eye on the two-week, all-expenses-paid trip to the Crimea, and thinks he can pull his score up despite Gorby's strategic weapons cuts. Dick Cheney is running this week's weapons reduction pool, so he's got the score sheet and you can make your checks out to him. Remember, folks, the betting is only for Republicans, so don't let Ted Kennedy find out.

This week's catch phrase is, "Fostering stability and democracy in Latin America is prudent." The phrase "Clarence Thomas is an everyman for the 90s" should be stricken from all GSA records.

Today's nuclear action code word is "pumpernickel." Don't tell it to Quayle. This sheet of paper will spontaneously combust in 10 seconds.

Matthew H. Hersch, a sophomore in the Department of Physics, is an opinion editor of The Tech.

The Tech

Volume 111, Number 42 Friday, October 11, 1991

Chairman.....Lois E. Eaton '92
 Editor in Chief.....Reuven M. Lerner '92
 Business Manager.....Mark E. Haseltine '92
 Managing Editor.....Josh Hartmann '93

News Editors.....Karen Kaplan '93
 Brian Rosenberg '93
 Katherine Shim '93
 Night Editors.....Daniel A. Sidney G
 David A. Maltz '93
 Jeremy Hylton '94

Opinion Editors.....Bill Jackson '93
 Matthew H. Hersch '94

Arts Editor.....Deborah A. Levinson '91
 Photography Editors.....Vipul Bhushan G
 Douglas D. Keller '93

Contributing Editors.....Peter Dunn G
 Michael J. Franklin '88
 Russell Wilcox '91
 Dave Watt

Advertising Manager.....Benjamin A. Tao '93
 Production Manager.....Marie E. V. Coppola '90

NEWS STAFF

Associate News Editors: Alice N. Gilchrist '94, Joey Marquez '94; Senior Writers: Andrew L. Fish '89, Linda D'Angelo '90; Staff: Lakshmana Rao G, Joanna E. Stone '92, Shannon Mohr '93, Judy Kim '94, Sharon Price '94, Chris Schechter '94, Kai-Teh Tao '94, George Ipe '95, Sarah Keightley '95, Sabrina Kwon '95; Meteorologists: Robert X. Black G, Robert J. Conzemius G, Michael C. Morgan G, Yeh-Kai Tung '93, Marek Zebrowski.

PRODUCTION STAFF

Maya N. Federman '92, Sasha K. Wood '93, Matthew Konosky '95, Minh S. Le '95, Garlen C. Leung '95; TEN Director: Jeremy Hylton '94.

OPINION STAFF

Pawan Sinha G, Christopher M. Montgomery '93, Jae H. Nam '93, Jason Merkoski '94.

BUSINESS STAFF

Associate Advertising Manager: Shanwei Chen '92; Accounts Manager: Jadene Burgess '93; Staff: Karen Schmidt '95, Pradeep-Sreeranthan '95.

PRODUCTION STAFF FOR THIS ISSUE

Night Editors: Daniel A. Sidney G
 Marie E. V. Coppola '90
 Staff: Peter F. Dunn G, Deborah A. Levinson '91, Reuven M. Lerner '92, Bill Jackson '93, Brian M. Rosenberg '93, Alice N. Gilchrist '94, Garlen C. Leung '95, Matthew Konosky '95.

The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer for \$20.00 per year Third Class by The Tech, Room W20-483, 84 Massachusetts Avenue, Cambridge, MA 02139-0901. Third Class postage paid at Boston, MA. Non-Profit Org. Permit No. 53720. POSTMASTER: Please send all address changes to our mailing address: The Tech, PO Box 29, MIT Branch, Cambridge, MA 02139-0901. Telephone: (617) 253-1541. FAX: (617) 258-8226. Advertising, subscription, and typesetting rates available. Entire contents © 1991 The Tech. The Tech is a member of the Associated Press. Printed by Charles River Publishing, Inc.

Letters policy

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

Discussions, marked as such and printed in a distinctive format, are the opinions of the undersigned members of the editorial board chosen by public Tech agreement with the editorial board.

Columns and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper.

Letters to the editor are welcome. They must be typed double spaced and addressed to The Tech, PO Box 29, MIT Branch, Cambridge, MA 02139, or by interdepartmental mail to Room W20-483. Electronic submissions in plain text format may be mailed to tech@athena. All submissions are due by 4 pm two days before the issue date.

FROM OUR RESPONSE LINE

Last Tuesday's article on Senior House's switch to Pepsi Cola from Coca-Cola ["Coca-Cola replaces Pepsi in Senior House Machine," Oct. 8] resulted in a flood of negative calls from Senior House residents. Unfortunately, only one of the callers gave a name and phone number. The remainder of the calls could not be confirmed.

Senior House desk captain Hattie L. Schroeder '92 expressed disappointment with the story. "There are a number of problems with this article," she began. "Jason Schultz is not the Senior House Coke Committee, he's some guy who works at the desk and orders sodas over the phone. There's no Coke committee, there's no Pepsi committee. Dr Pepper is not produced by the Coca-Cola company. There was never a sheet [for voting on the issue] at desk. No one voted, no one cared. Jason just said, 'Let's get Coke again.' I hope this isn't continued, this finding things to say about Senior House that are untrue."

The Tech: The only mention of a Coke machine was in the headline, which was not written by the reporter and was the unfortunate result of miscommunication. Dr Pepper is indeed bottled and distributed by the Coca-Cola company, although the rights to the formula and the soda itself are held by another company. Since the Senior House switch from Coke to Pepsi was a source of debate among residents, the editors considered it worthy of note that the house had switched back.

We should probably add that the idea for the story came from a Senior House resident, and that Senior House President David W. Hogg '92

gave Schultz's telephone number to our reporter.

Graduate student Stephen Harrod called to express his appreciation of Jonathan Richmond's column of last Tuesday ["Teaching Needs Priority," Oct. 8]. "I've only been here a month or two and I already feel that strain of lack of attention toward teaching as a goal. I think that's a very serious issue MIT has to deal with," he said.

The Tech: Our Editorial Board agrees about the importance of this issue [see editorial, this page.] We hope that Richmond's column, along with letters and stories in The Tech, will continue to foster healthy debate on campus.

Finally, the comics debate continues with graduate student Robert H. Kassel commenting that "I think you should get rid of Jim's Journal. It's an insult to anyone who has any intelligence whatsoever." He concluded with a Jamesian comment: "I called The Tech's Response Line. It was OK."

The Tech: We believe that Jim's Journal has quite a devoted following among Tech readers, but input on comics or any feature of The Tech is always welcome.

The Tech's Response Line is an opportunity for readers to informally respond to any issues raised in The Tech, or to comment on the paper itself. Readers may call the Line at 258-8219 and leave their name, MIT affiliation, and evening phone number along with a comment or question. Responses which do not contain all of the above information will not be considered. These summaries will be printed as often as the response demands.

opinion

A politically correct MIT course catalog

Column by Jason Merkoski

I have had an epiphany. "Look," I say, "Look at the poor, unwashed, politically un-correct masses out there. Something must be done!" And so, without further ado, I too am going to (somewhat belatedly) jump on the PC bandwagon. For those of you who still are not initiated, the "PC bandwagon" is no vague technical description for IBM-clones . . . PC, of course, means "politically correct" and it is, in short, an awe-inspiring movement. It really is!

My life has been changed; the new Jason Merkoski sees things that *just have to be said*. Perhaps, owing to the nature of this column, I should have published this in one of the radical scab-sheets floating around campus, but by God, you must be made aware of my revelations, and how they apply to life at MIT. Herewith, a Politically Correct Course Catalog:

- **Women's Studies** — This program already exists, and I sincerely laud the creators of this decidedly PC area of study. Really . . . women are beautiful creatures, and people should be made aware of that! Shake free the yoke of male imperialism! Unfetter the iron shackles of a misogynist

society! Yeah, yeah! Rah, rah! MIT needs more such courses, though.

- **Great Women Writers** — A variant of this course does exist. Its name, of course, must be changed from Women to Womyn, but that's only a sticky point. It is the *idea* behind this wholly revolutionary movement that is of such great consequence. This class would teach you that women actually do know how to write. (Note: This class is *not* lesbianism propaganda in disguise!) As prime examples of great womyn writers, I suggest Harriet Beecher Stowe, Emily Dickenson and Edith Wharton.

- **Really Awful Womyn Writers** — Well, this makes sense in a PC universe. If there are so many great womyn writers, then it stands to reason that there are a great number of bad ones. My God, those uninspired writers are people too! They deserve recognition, and besides . . . you would-be writers out there in Reader-Land could learn a great deal by studying the works of these authors. I would suggest as prime examples Harriet Beecher Stowe, Emily Dickenson and Edith Wharton.

- **Bad Scientists** — It really is a shame that people idolize scientists like Einstein,

Newton and Darwin. What have they done that's so important, huh? What about that unsung majority of bad or mediocre scientists out there . . . those chemists or mathematicians who are constantly depressed, who see the Nobel Prize fluttering away from their outstretched arms. Those scientists who study things that, when you get right down to it, nobody really cares about. Scientists with unhappy children, broken marriages, and who resort to alcohol abuse. The myriad scientists who have died over the years, not even meriting the briefest line in an encyclopedia or dictionary? What about these poor, poor souls? If we do not remember them, who would?

(On a side note, I recommend also that the word "scientist" be changed when it is used to label a woman. Consider the following obvious train of logic: "Scientist" is partially derived from the Latin "scire" which means to know. Socrates said "Know thyself," and as you can guess, Socrates was a . . . MAN! Augh! I find such male-dominated descriptions anathema, so I suggest that women call themselves "scyntists." And as a prime example of a fine scyntist, consider . . . well

uh . . . you know. There's got to be a few out there . . .)

- **Creationism, Lamarckism and Other Failed Theories** — "Nuff said.

- **Nihilism** — Plainly put, this utterly PC philosophy says "We're all going to die anyway!" At one point or another, each of us finds some degree of solace with nihilism. Take as a case study Dr. Seuss (also known as Theodor Geisel). Yes, he's dead. He has been acting this way for a couple of weeks.

Oh well
Popple-poose
Piffle-piff

Dr. Seuss is a stiff!
No more sickness, no more germs!

It's party time — for the worms.

There's no reason for you to get all bent out of shape. No, please don't say "Awwwwww!" If you do that, then this PC columnist, the new 'n' improved Jason Merkoski, will have to say this: "Who cares?"

Tech columnist Jason Merkoski '94 is very, very glad that most scyntists have senses of humor!

LETTERS TO THE EDITOR

Teaching cannot come after research

"Those who can, do.
Those who can't teach.
Those who can't teach, get tenure at MIT."

That graffiti, scratched in the top of a Hayden Library desk, sums up the way a lot of people feel about teaching here. And well they might. Despite the presence of some truly outstanding teachers on campus, the Institute makes no bones about telling us what its first priority is. Research universities need to strike a balance between research and education — but MIT students should be concerned that the scale here has tipped to far in the direction of research.

This attitude threatens both the quality of teaching at MIT and the very notion of what an educational institution is all about. Things will only get worse in the face of increasing financial pressure on the Institute. That is why we as students, and as a community, needed to take the opportunity at Wednesday's Institute Colloquium to openly assert again the importance of education at MIT.

Why should we care? If MIT keeps getting the best and brightest researchers to work here, isn't that enough?

One answer is that the quality of education suffers. The best researchers are not always the best teachers. We need some of both.

Moreover, a culture that clearly rewards research over teaching is not exactly conducive to getting people to spend lots of time in the classroom. We learn this lesson early here. Ask a graduate student. Being a TA is lots of work and may be lots of fun; being an RA is how you get your thesis done.

Perhaps teaching is given some consideration in tenure decisions, but evidence such as the track record of the Baker Teaching Award suggests that teaching is not weighted enough. From the Award's inception in 1963 until 1988 (when the Baker Foundation began considering senior faculty), 41 percent of the recipients who were eligible and stayed at MIT actually got tenure. (Twelve award winners received tenure while 17 were denied it.) It has been noted that this yield compares favorably with the 30 to 40 percent average tenure rate for junior faculty, but the comparison belies an important point: the award winners are not average. They are some of the very best teachers at MIT. The fact that these inspiring educators have only marginally better success at MIT should give us pause.

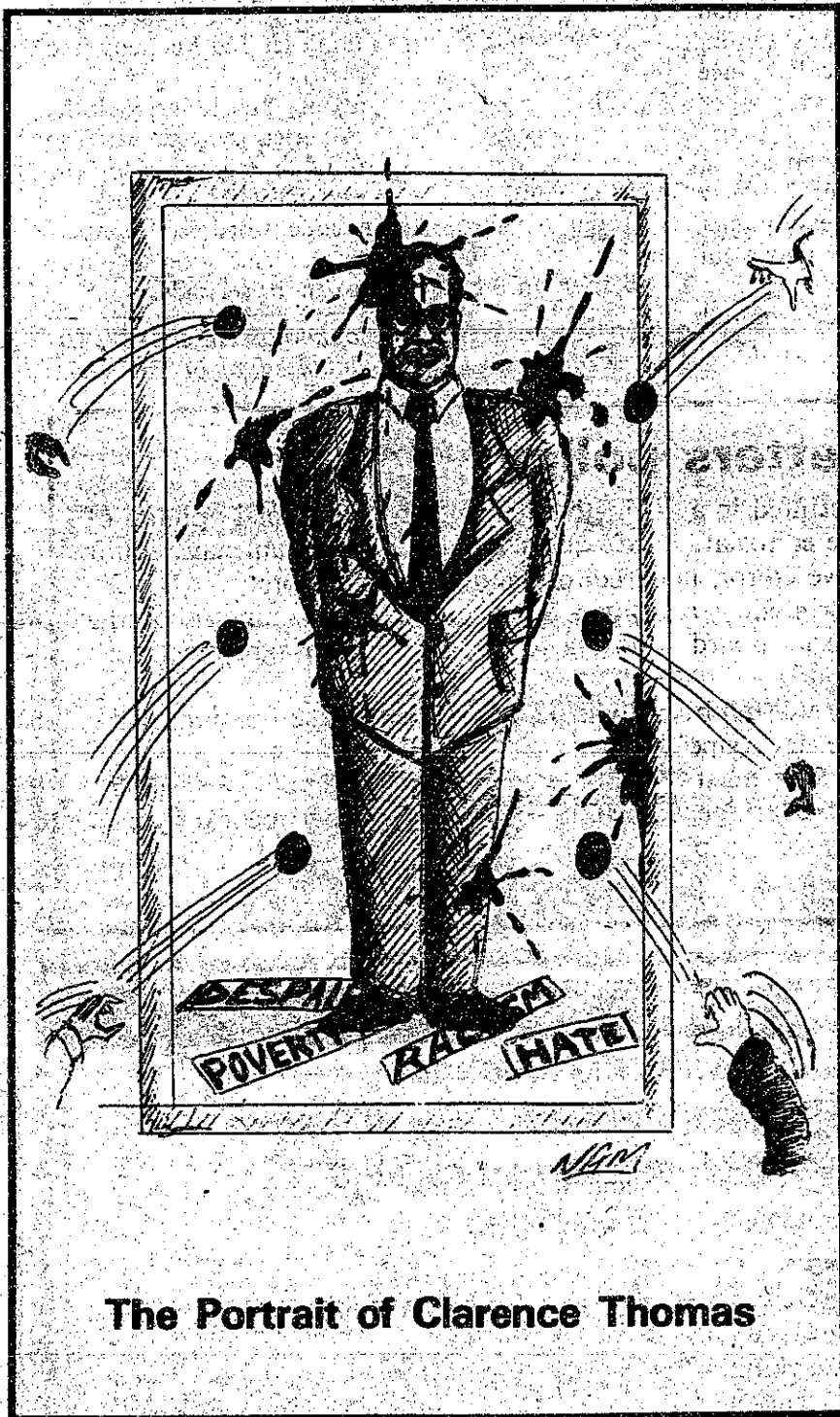
MIT is not Xerox's Palo Alto Research Center or Bell Laboratories. What sets MIT apart is our educational mission, our conception of the university as a

place dedicated to the pursuit of knowledge. Not pursuit of knowledge for the sake of a research contract, but for the sake of solving an interesting problem, answering an interesting question and showing others how to do the same. Research contracts certainly keep our work responsive to the needs of industry and society, but the freedom to explore and educate gives us a special quality that industry research centers will never have. Many of MIT's greatest contributions have sprung from the serendipitous pursuit of an interesting question.

Preserving an educational mission takes nurturing. People must feel that they have the time and resources to teach and to think. We need to find resources to support faculty and graduate students in the classroom. We need to find ways to assess the quality of teaching and make its measure a part of faculty advancement. But most of all, we need to make sure that teaching is not a second-class citizen in a world of research. We need to reinforce the notion that exploration and education go hand in hand.

We need to remind ourselves and our faculty that those who can teach should do it here.

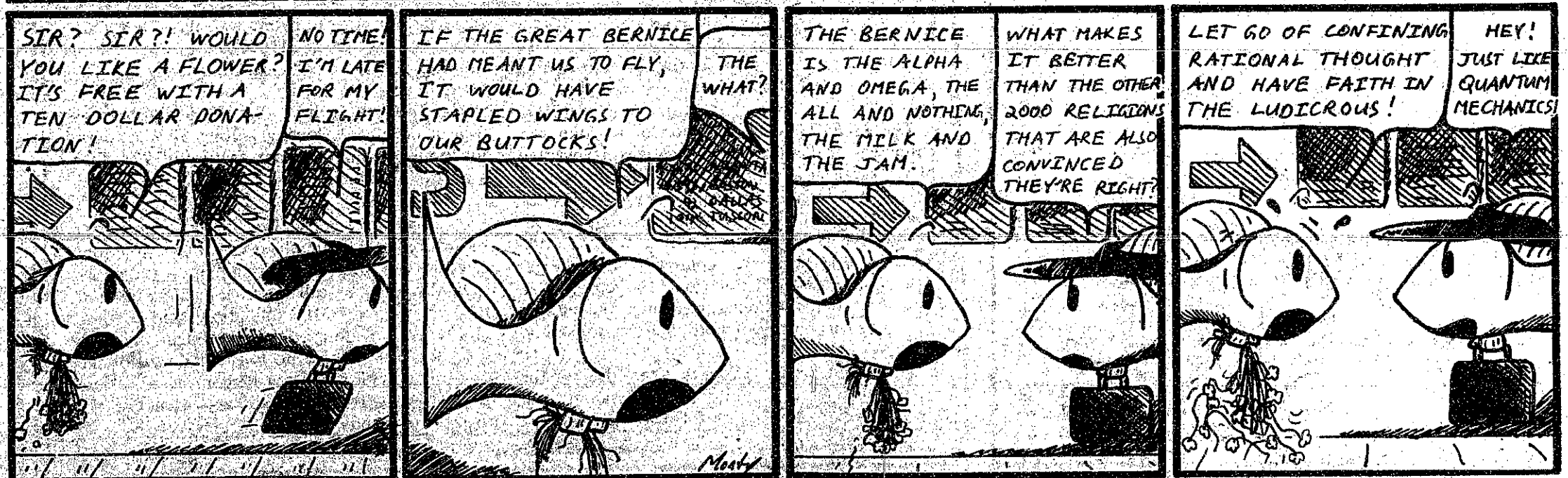
Alan B. Davidson G



The Portrait of Clarence Thomas

NERMA

C. M. Montgomery



opinion

LETTERS TO THE EDITOR

MIT must be aware of Native American feelings

In late June of this year, Texas Gov. Ann Richards signed a bill that made Martin Luther King's birthday into an official state holiday. In order to manage this, she decided to eliminate Columbus Day from the list of state-observed holidays. She, on that one day, presumably pleased most of the African-Americans and Native Americans.

"Why were the Native Americans pleased?" you might ask yourself.

In early October of 1492, Christopher Columbus landed on the shore of the Americas and began the genocide of the indigenous peoples. Richards possibly made her decision with this

knowledge in mind.

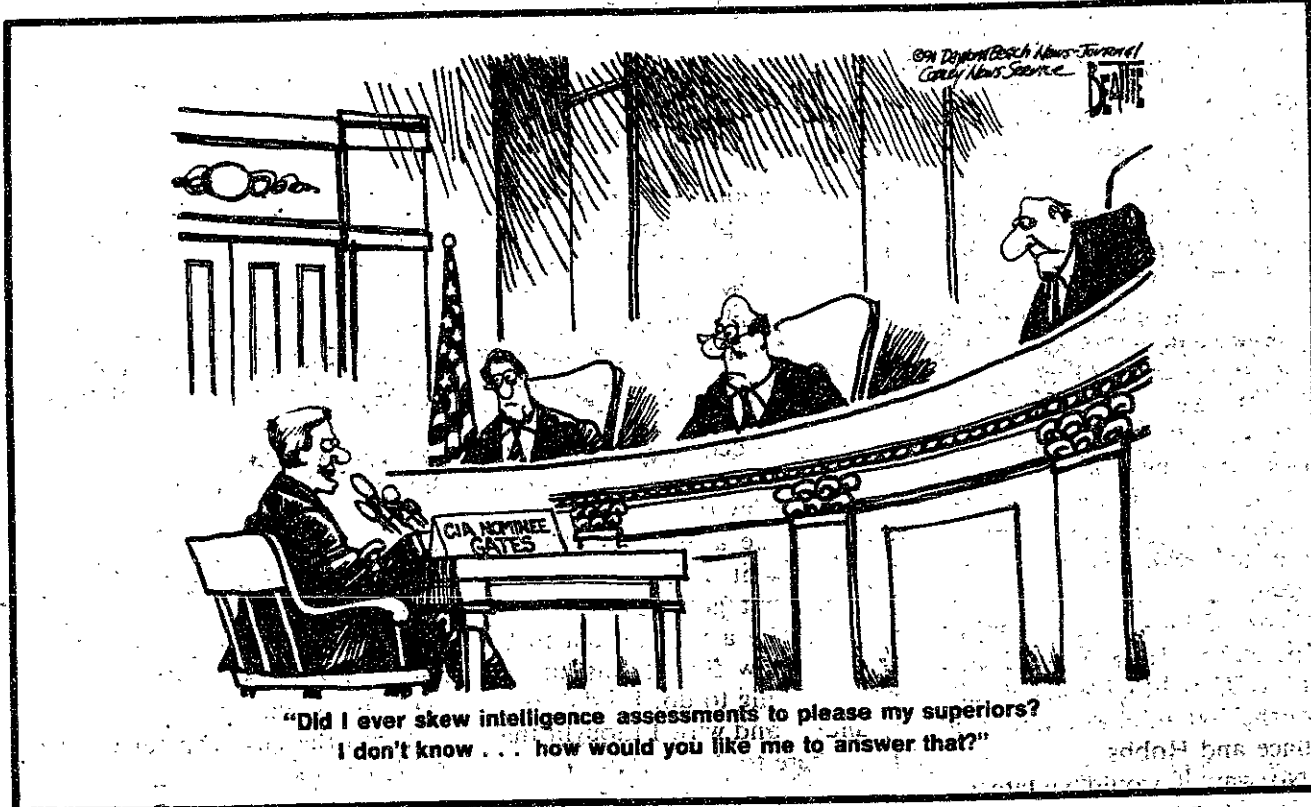
However, most Americans, in the course of next year's Columbus weekend, will be celebrating his "discovery" of this continent. While engrossed in quincenary festivities, they will inadvertently forget about the original inhabitants of this country, their stolen land, their horticulture and medical contributions and their near demise as a people by cultural genocide. During these celebrations, Native Americans will be unintentionally persecuted unless US citizens become more aware.

The MIT community showed native American Students its lack of knowledge in a similar way

when the Class of 1992 chose to put an engraving of Columbus on their class ring. This unconsciously showed their insensitivity toward Natives. Fortunately, through the actions of the Native American Student Association (NASA), the graduating class of 1992 recalled their decision. Their important action is a solution to the many years of ignorance.

MIT community members' attitudes toward the quincennial have begun to change. Will MIT show the nation, as well as the world, the only solution, awareness? Or will MIT be silent?

Jody Clark '94
NASA President



Syria letter misrepresents facts, unfair to the Israeli perspective

Ibrahim Elfadel G's letter ["Column ignored reality of Mid-East situation, Arab-Israeli conflict," Oct. 8] disturbed me because his perception of the facts in the Middle East clash with mine. It would be easy to accuse him of twisting history, but it would not be fair. I would like to understand some of his statements, rather than simply dismiss them.

Elfadel's implication that due to Israel's "ever-expanding weapons stocks... the Syrians have... endured a national defense budget that is out of proportion with their scarce resources," seems odd, given that Israel's defense burden also overwhelms its scarce resources and that in 1948, 1956, 1967 and 1973 Israel was forced to enter defensive wars involving, among others, Syria. When the Golan and the administered territories ended

up in Israel's hands after the 1967 war, she offered to exchange land for peace. What was Syria's response for the past 24 years? The "three no's" — no negotiations, no recognition, no peace.

Elfadel I obviously have deeply-held views on how the situation arose and how it should be resolved. But to point to either side as a purely innocent victim or as a purely ruthless aggressor is unwise. It is equally unwise to ignore the history of the region and to disregard the past behavior of any of those now involved in talks. By trying to understand the valid concerns on all sides, and by carefully discerning between those valid concerns and the unfounded claims of demagogues, perhaps a solution will be found to lead to a just peace and secure borders for all who live in this tinderbox of history.

Andrew M. Greene '91



JOSEPH'S

AQUARIUM

101 Atlantic Ave., Boston • (617) 523-4000

The Real Home for the Twins

TWIN
BOILED
LOBSTER
OR
ROAST THICK
PRIME RIB
OF BEEF

\$7.99

Potato &
Vegetable
til 5 pm
after 5 pm
\$9.99

7 DAYS A WEEK
Valet Parking

LONDON
ROUND TRIP FROM
\$350

From BOSTON round trips starting at

BRUSSELS	490	CARACAS	410
LENINGRAD	598	SYDNEY	1033
MADRID	658	LOS ANGELES	338
PARIS	538	NEW YORK	118

Taxes & surcharges not included. Fares subject to change.

Council Travel

Stratton Student Center, MIT, W20-024
Cambridge, MA 02139

225-2555

The Investment Banking Division
of

Goldman, Sachs & Co.

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

Wednesday, October 16, 1991

Room 4-159
6:00 p.m.

Refreshments will be served

For more information contact:

Rich Lightburn ('89) or Sara Böttfeld ('91)

1-800-323-5678



opinion

LETTERS TO THE EDITOR

Student Center incident makes student uncomfortable

I'm sitting in the Catherine A. Stratton Lounge as I write the first draft of this letter. I like the lounge, especially when I'm really tense about a problem set. So I'm down here to drink some coffee, do some reading and get my head together before I trudge back up to Athena. But tonight I'm not getting any work done.

Over in the next set of couches, there's a group of men working on a problem set. When I walked in with my coffee, one of them looked up. He looked good. I'm 22, so I'm trying not to say that he was really, really cute. He was out-of-bounds cute. I was sort of hopeful. I guess I've still got this "some enchanted evening" idea about "true love across a crowded room." It wasn't that this was him. It was just though I saw something in him that seemed sort of familiar.

But then they started talking about women. Well, it started out about women. Then it was something about a party. Then one of them jumped up on a chair. He was showing them how he danced. Then he fell face-first into the sofa next to him. I didn't really follow the conversation, but I did hear him when he said, "I'm muff-diving."

Funny. A bonding thing. No, not "male bonding"; women talk about sex too. And it's not all sharing our feelings and nurturing one another. In fact, I just had one of those "a woman has needs" talks with a friend of mine — about men and sex and questions you could never ask a respected health-care professional.

But it hasn't let up. The one

with his Delta-something baseball hat just said something like, "It's like food, man, if it smells rotten, don't eat it." The only breaks in it are when they get side-tracked about fat chicks. I'm not kidding. I know it sounds like a really bad, X-rated episode of *Married with Children* but that's what they're doing. And there's this weird, hard edge under it. There's a way that they're talking that makes me scared. Scared is the only word that really fits here because scared is what I was when I was nine and my parents would turn out the light in my room and make me "iry" sleeping in the dark. A lot of words like "frightened," "intimidated," "ashamed," "uncomfortable," and "nauseated" almost fit. But scared is best because suddenly I feel nine again and afraid of a big, shapeless malevolence that sits in dark corners and waits.

I'm the only woman in the lounge. Besides the five of them and me there are three other people in the room. Two of them are speaking quietly in Chinese to one another and the other one is asleep. At first I tried to ignore it, but they're loud.

I had my earphones on for a while, but the earphones are broken and only one side works. So the left side of my brain was getting Yma Sumac — Bird Woman of the Andes — singing this ancient Incan opera while the right side was distractedly wondering about the etymology of the word "pun-tang." But they couldn't know about my broken headphones. I was relieved. It was a simple misunderstanding. I

would just take the headphones off and they would realize that I could hear them.

They didn't stop. I could only hear them better.

"Yah, he was just standing there with his hand . . ." said the muff diver.

" . . . A parcel of air with an initial temperature of 15 °C and dewpoint 2 °C . . ." said Wallace and Hobbs.

"Hey man, it's just added lubrication," said the guy with the hat.

I coughed; I cleared my throat. Two of them would glance up occasionally. They looked guilty and it seemed to slow them down a bit. But the guy with the hat never looked over. He sat in his chair and noticed the two guilty ones noticing me. He seemed to watch me by watching them. The more uncomfortable I became, the more guilty they looked. The more guilty they looked, the louder he got. I watched him get almost drunk on it. And it was more than just getting louder; he became more cruel. The two who did not look at me followed his lead.

They named women. They described what they did "to" women (not "with" women). I knew that they were feeding on my reaction to them. So I stopped reacting.

"A parcel of air with an initial temperature of 15 °C and dewpoint 2 °C is lifted adiabatically from the 100-millibar level," said Wallace and Hobbs.

"No way, it would violate my moral code," says the guy in the chair.

"I dunno. It'd be pretty hard not to — what if you're drunk

too?" That was muff-man again.

I decided to leave. Actually, I started to leave before I decided to. I was throwing my books together loudly when I realized that leaving would be a retreat. The lounge would belong to them. I was completely stressed out about my class work and this was exactly the last thing I needed. But right then it was important to me not to give in.

A couple of weeks ago, I got a call from a friend at Texas A&M. They have a group there call The Cav ("Parsons' Mounted Cavalry"). It's a cavalry group left over from the days when the school was a military academy. The Cav's a big deal if you're a die-hard Aggie. They ride at the football games and blow the cannon when the team scores. Four women have been in The Cav. The first graduated. The next two are seniors now. And the last to join, a sophomore, was in the hospital last week. Three men from The Cav waited for her outside the stable, in a parking lot. They beat her up and stabbed her.

Five men being rude to me in a public lounge isn't the same thing. I know that. But MIT can still feel like a men's club sometimes and it makes me angry. When I first got here, I was so proud to be a woman and to be here. I knew that it was an important thing to do. I didn't really understand why. I thought that I was here to do well and to gain respect for myself and my gender by proving our competence. But I've found that even now, MIT is still at the stage of "getting used to" women being here.

A year ago I was sitting in class with a friend of mine. The professor paused for a bit and she started shaking the writer's cramp out of her fingers. The professor asked her, "Do you have a question? Or are you just drying your nails?" She was embarrassed and speechless. The professor followed the awkward silence with, "Now don't report me or anything. . ." She didn't. There were five of us in the room that day.

So it was important for me to stay in the lounge.

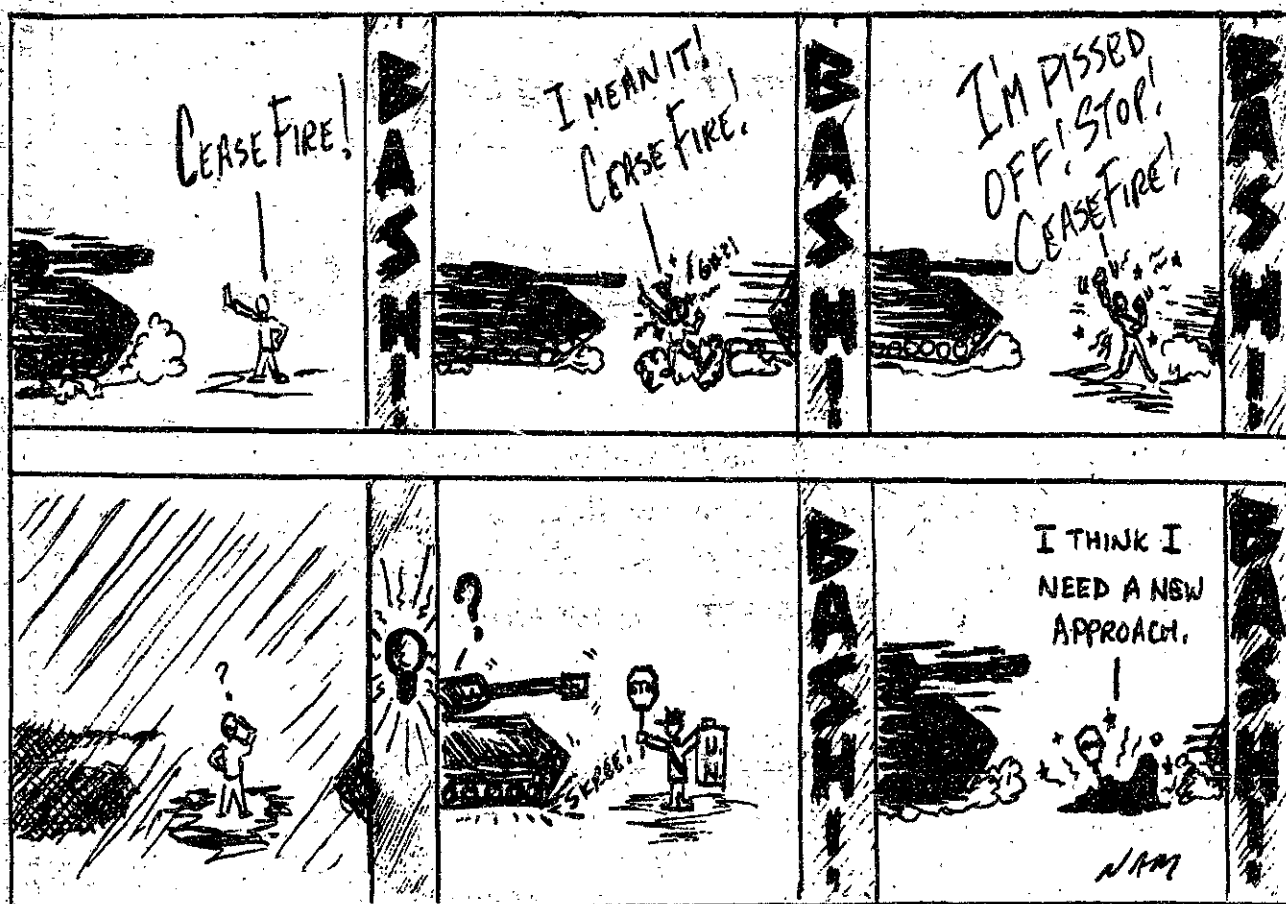
But I had to get out of there — for a while at least. I grabbed my coffee and walked around aimlessly trying to feel normal again. My coffee ran out before my nerve came back, but I went back to the lounge anyway, hoping they were done, willing to stick it out if they weren't. They weren't. But they were almost done with their problem set. In the time it's taken me to write this letter, they have finished their work — strangely without seeming to spend time talking about it. As they got ready to go, I decided to glare at them. It might not seem like much, but by this time I was feeling pretty awful. Looking anyone in the eye would have been hard. I managed one or two "meaningful looks" as they walked past.

As they walked out into the hall I heard, "I think we were really bothering her."

It was the guy who sat on the floor, I think.

"No way, man, she liked it. She was listening," answered the guy with the hat.

They laughed when he said it. Andrea Whitsell '92



Cartoon screening insensitive

On Friday, Oct. 4, the MIT Lecture Series Committee presented the critically acclaimed film *Ju Dou*. This is a film about a young Chinese woman who is purchased by an infertile tyrant to be his wife. The movie chronicles the physical and mental tortures to which the woman, Ju Dou, is subjected because she does not bear him a son. It was a deeply moving film which I enjoyed immensely, as I'm sure did most of those in attendance. What I did not appreciate, however, was LSC's insensitive choice for the short clip preceding the movie.

LSC, in its infinite wisdom, thought it appropriate to show a Daffy Duck cartoon to set the mood for the somber feature presentation. It is not the cartoon itself that bothered me. It was the ending scene in which Daffy and two little chipmunks are imitating the classic stereotype of Asian

people. This is the one in which Asians are depicted wearing straw hats and sporting buck teeth and disfiguring slanted eyes. Although many in the audience found this amusing, it is appalling that LSC chose to present this cartoon preceding a critically acclaimed film on the plight of a young Chinese woman.

The decision to show the cartoon was distasteful and uncalled for. LSC should be more aware of the responsibility it has to its audience. I hope that it is not a regular policy of LSC to insult its audience with such trash. In the future, I hope that LSC will use better judgment when deciding what material is to be presented. In the meantime, I think LSC owes an apology, not just to the Asian people who were in attendance, but to everyone who, like me, was as disgusted by such irresponsibility.

Michael J. Zammit G

Story on Senior House switch to Coke was not newsworthy, contained errors

Your Senior House article ["Coca-Cola replaces Pepsi in Senior House machine," Oct. 8,] is, in addition to being misleading (and completely erroneous in one instance), certainly not worthy of being presented under the guise of a news article, even in a newspaper such as *The Tech*, one which I have less and less respect for every week.

The second headline of this article states "Senior House residents split over Coke's return," yet no evidence is given to support this. One resident did comment that "Some feel the situation in South Africa hasn't improved enough." This does not say anything about whether residents are for or against the return to Coke, only that some

may be concerned about conditions in South Africa. These are two separate issues.

You also claim that "The general attitude of Senior House residents is indifference to the underlying politics of the recent decision." First of all, I question the validity of that statement, and I would like to know how many residents *The Tech* spoke with to arrive at such a conclusion. Secondly, the truth is that the decision was not a political one. Many residents, myself included, are unsure of what the actual involvements of the Coca-Cola and Pepsi companies are in South Africa, and question even further the effectiveness of a boycott as a contribution to the fight against apartheid. The decision

to switch was primarily motivated by soda tastes.

Another error is the suggestion that the soft drinks are sold from a machine. They are not. While this mistake has little consequence, it is indicative of the carelessness with which the article was composed. *The Tech* clearly just assumed the soda was in a vending machine and did not put forth the minimal effort required to confirm this.

Finally, and most important, the article is of almost no interest to the MIT community. Those who do purchase soft drinks at the Senior House desk are most likely already aware of the switch. I would be surprised to find that people outside Senior

House care at all what soda we sell. Coca-Cola products are sold in numerous locations throughout the Institute, so I doubt the article would cause a sudden interest in visiting Senior House, for the sole purpose of purchasing soda.

I can only infer from the article that *The Tech* either is suggesting that Coke tastes better than Pepsi, or that it is attempting to stir up some controversy by concluding that, because some of them drink Coke, Senior House residents do not care about world affairs. If your newspaper wishes to make an assertion about our political views, you should do so in an editorial, preferably one that is more care-

fully researched than the previous article.

A change in a dorm's soda tastes is not even the least bit newsworthy. Such trivial articles are appearing more and more frequently in *The Tech*. If *The Tech* cannot find news that is of some interest and consequence to even a small segment of the MIT community, perhaps it should simply reduce the size or frequency of the issues, until it can present material of a quality reflecting that of the Institute as a whole.

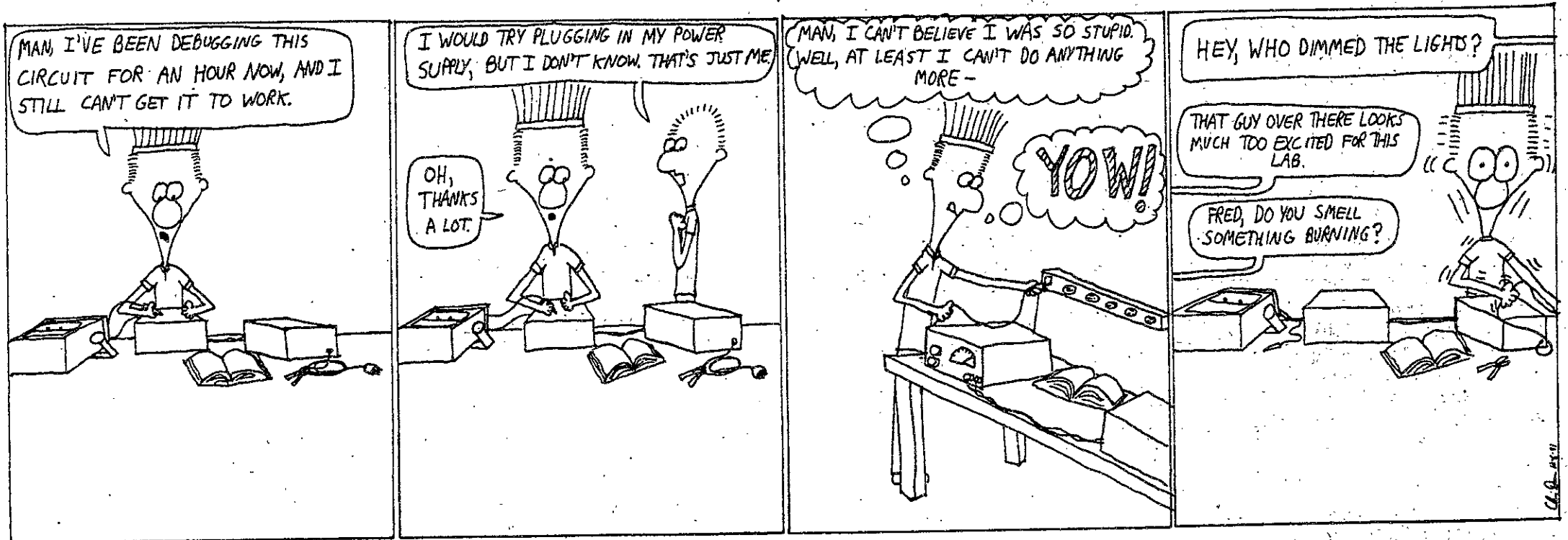
Jonathan M. Gladstone '92

(Editor's Note: Please see the Response Line box on page 4 for more on the Senior House story.)

comics

Nick

By Christopher Doerr



classified advertising

Classified Advertising in The Tech: \$5.00 per insertion for each 35 words or less. Must be prepaid, with complete name, address, and phone number. *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

Build your own PC — learn everything necessary to build your own computer. Send \$10 for booklet to: BUILDPC; P.O. Box 3683; Albuquerque, NM 87190-3683.

OFFICE SPACE
Cambridge — Great Deal!!
375' architect renovated office in Cambridgeport. Very close to MIT campus. Access to FAX & copier. Convenient to Boston, Pike & Red Line. \$450.00 (all util. incl.)
864-9838

Shriners Burns Institute is seeking part-time technical support to maintain VAX and other Digital hardware and software. Salary based on experience/negotiable. Flexible hours. Contact the SBI Research Office at 722-3000 x159.

Attentions Students! Earn up to \$500 cash for 5 hours work. international Business Tours is seeking an articulate student to organize a 30 minute informational meeting on campus. No experience needed. Call now!! 1-800-554-4158.

BURN VICTIM.



ONLY YOU CAN PREVENT FOREST FIRES.

A Public Service of the USDA Forest Service and your State Forester.

This space donated by The Tech

MONITOR COMPANY

STRATEGY CONSULTING

Monitor Company, Inc.
25 First Street
Cambridge, Massachusetts 02141

Invites All M.I.T. Seniors
to meet with Monitor Consultants
to Learn About Employment Opportunities

Thursday, October 17, 1991 at 7:00 P.M.
Massachusetts Institute of Technology
Building 4 - Room 159

Refreshments will be served

Amsterdam ■ Cambridge ■ London ■ Los Angeles

Madrid ■ Milan ■ Seoul ■ Tokyo ■ Toronto

The Man in the Moon explores teen emotions

THE MAN IN THE MOON

Written by Jenny Wingfield.
Directed by Robert Mulligan.
Starring Sam Waterston, Tess Harper,
Reese Witherspoon and Jason London.
Now playing at the Loews Charles.

By MICHELLE P. PERRY

ANY MOVIES AND TELEVISION shows depict teenagers as bouncing balls of hormones. On the rare occasion where a film or video attempts to examine a teenager's emotions, the tone is often condescending, as if teen emotions lack the "weight" and "depth" of adult experiences. *The Man in the Moon* is a unique film in that it portrays teenagers as people who experience a complex range of feelings, and not just pimply-faced sex fiends.

Dani (Reese Witherspoon) is a 14-year-old who has fallen in love for the first time. The object of her affections, Court (Jason London), is three years older, but because her parents were the same age when they met, she is not discouraged. Dani's older sister Maureen (Emily Warfield) quickly thwarts that. Maureen is smart and pretty, and Court falls for her immediately. Needless to say, this puts an enormous strain on Dani and Maureen's previously close relationship.

Dani is a very likable character. She is outspoken and rambunctious, and is constantly on the move. Robert Mulligan, the director of the film, also directed *To Kill a*



Reese Witherspoon stars as Dani Trant in *The Man in the Moon*.

Mockingbird, and Dani and *Mockingbird*'s Scout share many similarities. However, it is impossible to imagine Scout's father beating her with a belt, which is what Dani's father does to her in a truly ugly scene. What is even worse is that Dani later tells her father that she understands why he did it. This is a terrible message to

send to children and adults — that an adult in emotional distress is not accountable for his or her actions, including beating kids.

Another disturbing aspect of the film is a tragic event that happens near the end. At first, it seemed to be a disgusting and overdramatic way of making a point about

the bonds of sisterly affection. Though in an interview after the screening, one of the actors said that the film is based on a true story, this knowledge will not help the average audience member deal with this harrowing, and even sickening, event. Adults who take their kids to *The Man in the Moon* expecting a happy little show about life and love are going to be in for a big surprise.

This is Witherspoon and London's first film, and Warfield's first starring role. All three are very appealing, but tend to overact throughout the film. Director Mulligan used close-up shots to try to add intimacy to many of the scenes, but unfortunately the shots only emphasize the overzealous acting. Because all three actors show this tendency, it may be the director's fault rather than their own. Sam Waterston and Tess Harper, however, are as good as one could expect the veteran actors to be in their roles as the parents.

The Man in the Moon is visually very lovely. Freddie Francis, the Academy Award-winning director of photography for *Glory*, makes the most of the location, a beautiful little town in Louisiana. Even strenuous farm work looks very appealing. The music also adds a lot to the warm, comfortable atmosphere.

The Man in the Moon has many fine qualities, the most laudable of which is a respect for teenagers. Unfortunately, this is not enough to redeem the film of its plot and acting faults.

Frankie & Johnny's courtship plot is romantic but sexist

FRANKIE & JOHNNY

Directed by Garry Marshall.
Based on the play by Terrence McNally.
Starring Al Pacino
and Michelle Pfeiffer.
Now playing at the Loews Cheri.

By MARIE E. V. COPPOLA

I FELT QUITE AMBIVALENT ABOUT *Frankie & Johnny* — on one hand, the film is entertaining, well-made and well-acted by an outstanding cast. On the other hand, it condones advances that, while well-intentioned and honorable, fall far outside the bounds of respectful behavior.

In contrast to the screenplay, also written by Terrence McNally, the play (*Frankie and Johnny in the Clair de Lune*) takes place almost entirely in Frankie's apartment. The screenplay adds many locations, including the diner where Frankie and Johnny work, the apartments of a couple of co-workers and Frankie's mother's house in Altoona, Penn. Staging the film according to the original play, while it certainly poses a greater challenge for both director and cast, would have yielded better results. Marshall takes this approach in the last third of the film, and both Michelle Pfeiffer and Al Pacino rise to the challenge and perform admirably.

Marshall's multi-location technique was effective in the early-morning glimpses into the private lives of the supporting cast. These glimpses, which explore the theme of loneliness, would not have been possible had Marshall not expanded the cast and the locations of the original play.

I was a bit dubious about Pfeiffer's credibility as a weary, lonely waitress in her mid-30s, having only seen her play more traditional, glamorous Hollywood roles (not to mention that she will soon appear as Catwoman in the upcoming Batman movie). But Pfeiffer gives a convincing performance as the abused, mistreated, never-get-involved-again Frankie. Pacino, for his part, also does a good job with the idealistic, straightforward Johnny, although even his smoldering good looks and personal charm cannot overcome the lines and boorish actions that McNally has rewritten for him in the screenplay.

Johnny's invasive persistence in pursuing Frankie is the disturbing part of the film. His actions toward her almost reach the point of harassment. For example, he arrives at her apartment to pick her up for a date she has not agreed to; he joins her and her friends on her bowling night (after she has specifically asked him not to come); he calls her repeatedly after she makes it clear she doesn't want to speak to him. Johnny's actions are seemingly justified by his certainty that he and Frankie



Michelle Pfeiffer and Al Pacino play a waitress and short order cook who start a rocky relationship in *Frankie & Johnny*.

are destined to be together "just like in the song."

Marshall and McNally stack the deck — they want the audience to like Johnny, and they hope that the audience will ignore his offensive, "I know what's best for you" approach to love. Filmmakers should be ashamed to pass off subtle sexism under the guise of romantic courtship.

Although Marshall effectively conveys the deep-seated loneliness of several of the characters and how each chooses to deal with it, his message is overshadowed by Johnny's overbearing courtship of Frankie and occasional blasts of sappiness. *Frankie & Johnny* has its good points, but you have to be willing to swallow some antiquated attitudes along with them.

The Tech Performing Arts Series announces

NATIONAL SYMPHONY

Mstislav Rostropovich, conductor. Having just completed its 60th anniversary season, Washington, DC's National Symphony continues to rise in international acclaim as one of the world's leading orchestras. Program: Schumann, *Cello concerto in A minor*, Op. 129; Shostakovich, *Symphony No. 8*, Op. 65. A Bank of Boston Celebrity Series event.

Symphony Hall, October 17, 8 pm.

MIT price: \$7.

EVGENY KISSIN

Only 19 years old, Evgeny Kissin has already played at Carnegie Hall and with the New York Philharmonic, and seems destined to become a piano superstar of the next generation. Program: Liszt, *Song Transcriptions of Schubert*; *Hungarian Rhapsody*, no. 12; Schubert, *Wanderer Fantasy*, Op. 15; Brahms, *Capriccios & Intermezzos*, Op. 116, nos. 1-7. A Bank of Boston Celebrity Series event.

Symphony Hall, October 24, 8 pm.

MIT price: \$7.

Tickets are on sale at the Technology Community Association, W20-450 in the Student Center. Office hours posted on the door. Call x3-4885 for further information.

The Tech Performing Arts Series, a service for the entire MIT community, from The Tech, MIT's student newspaper, in conjunction with the Technology Community Association, MIT's student community service organization.

What's Up?



On The Town

Tuesdays,
only in
The Tech

Vest dedicates colloquium to MacVicar

(Editor's Note: The following are excerpts from the opening remarks given by President Charles M. Vest at Wednesday's colloquium, as provided by Vest's office.)

Governor Dukakis, panelists, teachers, research staff, students and all members of the MIT community:

Welcome to this Institute colloquium on "Teaching Within a Research University." It has been described as the final official event of the Inaugural Year, and I can think of no subject more worthy of our attention — yours and mine — than the questions we explore today.

For many of us, these questions and challenges have been posed — and pressed — over the years by one of the strongest advocates for undergraduate teaching in this, or any, university. I refer, of course, to Professor Margaret MacVicar, MIT's first dean for undergraduate education and an educator *par excellence*. She gave so much of herself — in so many ways — to ensure that teaching and research reinforced each other at MIT, and to see that the overarching question of how best to teach students (rather than chemistry, or physics, or writing . . .) received the best attention of our faculty. We all know that if she were with us today, she would be asking the toughest questions and putting forth in no uncertain terms her vision of what teaching in a research university should be. I propose, therefore, that we dedicate today's colloquium to our teacher, our colleague, our friend — Margaret MacVicar.

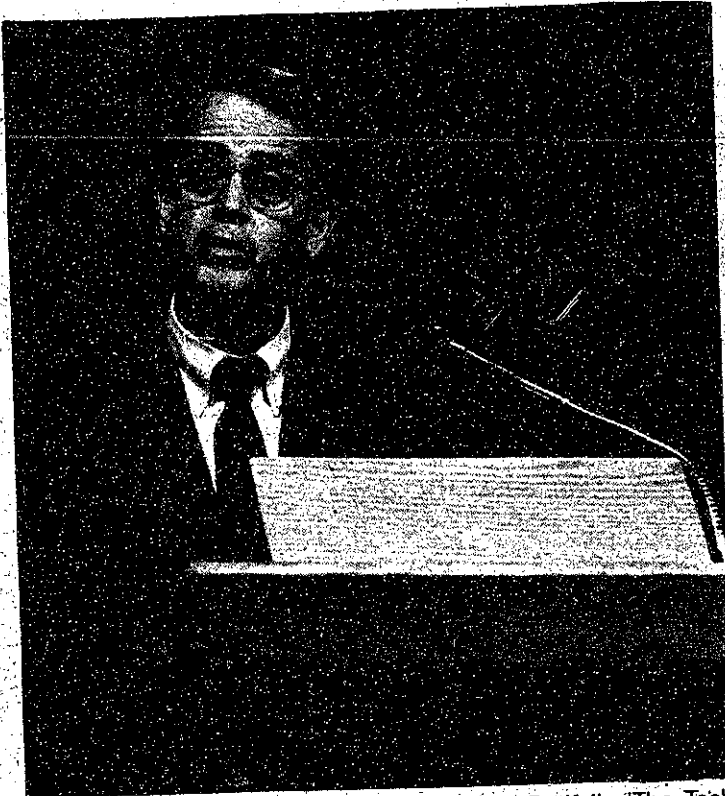
The discussion we are about to embark on this afternoon, and again this evening in groups hosted by the academic departments, is not limited to MIT, of course. Rather, it is part of a national debate about what is, and is not, being accomplished in the realm of teaching in our research universities. We have posed a rather lengthy list of potential questions for our panelists to respond to today. In a sense, they are the component parts of the larger question that brings us together in this auditorium.

We have called this question our "Challenge Resolution." It states: MIT faculty are both teachers and researchers. At their best, these two roles are mutually reinforcing and their fusion uniquely strengthens the Institute as a place of learning. In practice, however, they sometimes fall out of balance or even into conflict. To enrich undergraduate and graduate education, MIT should find specific ways to make teaching and research more closely complementary in the professional lives of all faculty members.

So we are about ready now to address this crucial issue. How can we make the most of this wonderful, but sometimes perplexing, mix of research and teaching? Clearly, we will hear disagreement. How often, even, have we heard undergraduates complain that the people around here care only about graduate students — and then have graduate students make essentially the same observation about their undergraduate brothers and sisters.

Surely that is what we are about today: we gather together to ask questions, to challenge one another, to debate, and to learn from each other. We hope that we'll come out of this with some concrete ideas for improving this learning institution — MIT.

Robert Birgeneau is Cecil and Ida Green Professor of



Douglas D. Keller/The Tech

Charles M. Vest gives the introductory address to the colloquium last Wednesday.

Physics and was head of the Department of Physics from 1988 to 1991, when he was named Dean of the School of Science. Professor Birgeneau's research is primarily concerned with the phases and phase transition behavior of novel states of matter.

Yonald Chery is a graduate student in EECS who also did undergraduate work here at MIT. He has served as a student representative on a number of Institute committees, including the Committee on the Undergraduate Program, the Committee on Discipline and a Presidential Student Committee on Aspects and Attitudes on Student Life at MIT. Mr. Chery also was involved in the development and implementation of Project XL, a program for first-year minority students administered through MIT's Office of Minority Education, now in its third year. He is currently a graduate resident tutor at Bexley Hall.

Professor Woodie Flowers teaches engineering design. He is one of our consummate teachers — from helping to create "2.70 — Introduction to Design," one of MIT's best known sophomore courses, to being Director of the New Products Program, a new graduate program centered on design. His research interests range from microcomputer-controlled prostheses for above-knee amputees to computer-aided design systems.

David Litster is a professor of Physics. He has been director of MIT's center for Materials Science and Engineering and is currently director of the National Magnet Laboratory.

Currently he is also serving as interim associate provost and vice president for research.

Joel Moses has been at MIT since 1967, first as professor and later as head of the Department of Electrical Engineering and Computer Science from 1981 to 1989. He was appointed Dean of the School of Engineering in 1991. Professor Moses led the development of the MACSYMA computer system for symbolic mathematics, the largest computer system for formula manipulation available today.

Robert Silbey is professor of Chemistry and head of that department. He has been involved in undergraduate and graduate instruction in a variety of subjects, including the freshman core curriculum. Professor Silbey was awarded the School of Science Teaching Prize in 1986, the Graduate Student Council Award for Teaching in 1988 and the Baker Award for Teaching in 1990.

J. Mark Davidson Schuster is associate professor of Urban Studies and Planning and teaches in the core curriculum of the Masters in City Planning program, as well as teaching a freshman advisor seminar. Professor Schuster is the author of a presentation given to new faculty and graduate teaching assistants entitled "Never Use a Red Pen and Other Rules of Thumb for Teaching." As the oldest student in Spanish I, he is currently taking a look at MIT education from the other end of the fire hose.

Colleen Schwengel is a senior at the Sloan School of Management. She has played an active role in the Undergraduate Association for the past three years, serving on committees for Food Service, Pass/Fail, Grading, Housing and Alcohol Policy. Ms. Schwengel held elective office in 1990 as the Vice President of the Undergraduate Association. Currently, she is a student member of the Faculty Policy Committee.

Irene Tayler, professor of Literature, has published mainly in the area of English Romantic poetry and art, and is especially interested in women's issues. She has taught at Stanford, Columbia and the City University of New York, and has been at MIT for 15 years.

Jacquelyn Yanch is an assistant professor of Nuclear Engineering in Whitaker College. She received her educational training in England and Canada and currently has research interests in the uses of ionizing radiation in medical applications.

Summing up this afternoon's session will be Mark S. Wrighton, provost, who has been a member of the MIT faculty since 1972. He has developed and taught core science subjects in chemistry and has directed graduate research activities leading to more than 50 PhDs.

And, finally, it is an honor and pleasure to introduce our interlocutor, former Massachusetts Governor Michael Dukakis, now Visiting Distinguished Professor of Political Science at Northeastern University. Governor Dukakis formerly taught at the Kennedy School of Government at Harvard University and some of you may remember his skill at asking tough questions and bringing forth candor as moderator of the public television program *The Advocates*. In planning this colloquium, we agreed that my role would be to make the introductions and then to unleash the interlocutor.

Governor Dukakis — consider yourself unleashed.

Course XVII discusses teaching

By Karen Kaplan

Members of the Department of Political Science gathered in the Millikan Room after the colloquium to continue the debate fostered at the larger session. Major themes of discussion included how to measure teaching quality, how to give it more weight, whether research and science could complement each other and whether research funding biased the types of courses offered here.

Both faculty members and students expressed concern that the quality of teaching was difficult to quantify. Some suggested that student input be incorporated into the tenure selection process, but others cautioned that professors who taught "easy" classes would get the best reviews, while tougher ones with more substance would go unappreciated.

Also, once reports about teaching ability were compiled, some were afraid that they would receive no more than a courtesy glance before attention was refocused on the candidate's research. One suggestion was to create tenured faculty positions for professors who would concentrate on teaching.

The political science faculty members in attendance agreed that research was an integral part of the teaching process. They said that research was necessary to understand the topics they taught, but that such research could create biases in their courses. In addition to research, "real-life" experiences, such as time spent working at a newspaper, were thought to contribute to teaching quality.

STUDY FOR ONE YEAR OR FOR ONE OR TWO TERMS IN

OXFORD

and live with British Students

HOW WISC IS DIFFERENT FROM MOST OVERSEAS PROGRAMS:

- Accepted students receive admissions letters (and later transcripts) directly from an Oxford (or Cambridge) college.
- Students are directly enrolled as full students of the Oxford college.
- Qualified early applicants may share a co-ed Student Residence associated with St. Catherine's College, Oxford (fully integrated with British students).
- Students accepted before November 1 (for the Winter Term) or before May 1 (for next year) are guaranteed housing with British students.
- Students will NOT be taught in (and receive transcripts from) an American college operating in Oxford. WISC is one of the few completely integrated (academically and in housing) overseas programs in the UK.
- Previous students in your field will speak to you on the phone.

For information, call or write:

THE WASHINGTON INTERNATIONAL STUDIES COUNCIL
214 Massachusetts Avenue N.E., Suite 450, Washington, DC 20002, (800) 323-WISC

Students may also Intern and Study in
Washington and London

WAREHOUSE LIQUIDATION OUTLET

ECLECTIC COLLECTION
OF
SUPER DUDS
AT
PREHISTORIC PRICES

505 Mass. Ave, at Central Square
between M.I.T. and Harvard Square

- Sportswear - Workwear
- Military Surplus
- Boots - Footwear
- Jeans - Corduroys
- Camping Accessories

Entire
Inventory
NOW

50%
OFF AND MORE

10%

GIFT COUPON

Bring this ad for
off entire purchase of liquidation prices

exp. 10/19/91

SUPER DUDS

PREHISTORIC PRICES

- JEANS - OVERALLS
Lee, Levi, Carhardt, Dickies, Maverick > \$7⁹⁹ - 19⁹⁹
- OUTERWEAR
Woolrich, Penfield, Levi Jean Jackets > 19⁹⁹ - 89⁹⁹
- BOOTS
Timberland, Henman's, Sport-o, rubber boots > 9⁹⁹ - 44⁹⁹

ALL SALES FINAL

WAREHOUSE LIQUIDATION OUTLET

Store Hours
Mon-Fri, 9:30-6:30, Sat 'til 6:00

505 Mass. Ave
Cambridge

VISA - MC - AMEX
Check Accepted

Panel debates MIT's teaching policy

(Continued from page 1)

Research emphasized over teaching

Panelists initially discussed the notion of an unbalanced emphasis on research over teaching at the Institute, and mostly agreed that an emphasis on research did exist.

Schwengel said, "In the [MIT Faculty] Policy Handbook, you'll find that it challenges junior faculty. It says that the primary duty of a junior faculty member entering teaching is to become capable and inspiring teachers. That's supposed to be the primary focus. But I would contend that that is not really the case here. It is not actually being done, but is being given a lot of lip service."

Silbey responded by saying, "It's a bit overstated — although there is some truth to it. Most of the faculty wants to be good teachers. No one wants to go into the classroom and fall flat on their face."

But Moses countered, saying that the notion of an emphasis on research over teaching was a "popular image of what a research university is like."

"I think that in our department, the emphasis on textbooks shows a lot of effort that is put into teaching. . . . The culture within the school of engineering is to emphasize teaching — partly because our undergraduates get a professional education. Many get

jobs after graduation, and we would hear very quickly if students weren't well educated," Moses said.

Tenure process favors research

Panelists went on to discuss the importance of a good research track record in a tenure candidate's file.

Dukakis said: "A great researcher, a mediocre teacher — probably will get tenure. A mediocre researcher, a great teacher — doesn't get tenure. I don't understand."

Moses explained that recommendations from outside MIT, which play an integral role in the tenure process, were far easier to obtain in research than teaching. "I was on the committee that gave out educational prizes and we had quite a lot of difficulty in the way we evaluated. For tenure decisions, much is measured by the impact [of research] outside of one's own university. Unfortunately, teaching does not meet that. Textbooks do," he said.

Moses added that "The outside letters have a hard time evaluating teaching. Lately we have been putting a greater and greater emphasis on having traveling professors evaluate. But this is very recent and has only begun in the past few years."

Dukakis challenged Moses on this comment, asking if he was "making judgements internally

on who ought to be recognized for good or great teaching. Which is what you do right? There are ways of evaluating good teaching. Many universities do this."

Chery noted that "Forty-one percent of faculty get tenure and 41 percent of those who get Baker teaching awards, for example, get tenure. That is not an acceptable figure. These are people who go far beyond the call of duty."

Steve Scholberg G posed the question from the audience: "Why not ask ex-students of a tenure candidate who have no vested interest in the process to write letters of review?"

Institute-wide training in teaching unavailable

Panelists further examined the lack of an Institute-sponsored program to teach professors and graduate students how to teach, and discussed the necessity of such a program.

Schwengel said, "I think that as an institution we attract some world class researchers who are excellent in their field. . . . But MIT drops the baton in the process of integrating them into the Institute."

"There is really no outlet for a person who is entering the classroom for the first time to teach a lecture, or even as a graduate student to be a TA," she added. "There is no training process that is available to them unless it is provided by their department. MIT as a whole is not picking up the slack."

Moses presented an anecdote: "We had a situation with a faculty member who was having difficulty getting promoted to full professor and he went to his department head and said, 'I am a world-class researcher. Why am I not getting promoted?'"

"Your teaching is awful. Look at the student evaluations."

"Well, I guess I should do something about it."

"Why don't you get a tape and have it analyzed?"

The man's teaching improved greatly, and he was in fact promoted."

Schuster added, "There was a time at MIT when we had an outlet called Educational Video Resources that existed to help us become better teachers. [EVR] provided people with a staff that interpreted the videos that they saw. Now in today's *Tech Talk* there is an article that says we will be happy to videotape you, you have to pay for it, and we will give you the tape so you can look at it at home. It's not clear to me that that's helping the researcher to become a better teacher. It seems to me that the



Douglas D. Keller/The Tech

Michael S. Dukakis brings the tough questions home at the colloquium in Kresge Auditorium last Wednesday.

resources in that area are not being increased."

Litster asserted that professors do in fact like to teach. "We are here to teach. Most of our faculty could earn twice as much if they'd worked in industry. They're here because they like students. The university is a community of scholars," he said.

Dave Riley G said: "You asserted that faculty are here because they like to teach — otherwise, they'd be somewhere else. I'm not sure that's the case. Research universities have the reputation of being the great intellectual places of being, and it's exciting for people because they have colleagues who are not interested in students, but in the other faculty."

Grant money not a factor in research emphasis

Panelists briefly examined whether the emphasis on research stemmed in part from the fact that grant money funds a large portion of MIT operations.

Litster said: "I don't think [grant money is] driving [the em-

phasis on research] very much at all. I can actually give you some numbers. A student came in early this week to ask me what fraction of the MIT budget is instructional and what fraction is research. The instructional budget is \$340 million and research is budgeted at \$300 million."

"The fact is that grants support a lot of what happens here at MIT — particularly for graduate students," Litster said. "If that money were to disappear, it would have a terrible impact on us. But I don't think that money's what's driving [emphasis on research]."

After the plenary session in Kresge Auditorium, each academic department held smaller discussion meetings to involve more faculty, graduate and undergraduate students in the debate. Freshmen were allowed to choose from among the various departmental sessions.

Prior to the colloquium, opinion pieces were solicited by the MIT Colloquium Committee to be used by the panelists as a catalyst for discussion.

Chemistry students, faculty focus on dual expectations

By Judy Kim

The chemistry discussion group, led by Professor William H. Glaze Johnson, was comprised of numerous faculty members as well as postdoctoral, graduate and undergraduate students.

One major focus of the discussion was the difficulty professors face in fulfilling the expectations of being both a teacher and a researcher. As teaching assistants, some graduate students felt that those expectations could not realistically be met since "you'll never get a PhD by being a good teacher." In addition to the constraints of the efficient laboratory research, the lack of a strong motivation for teaching assistants discourages some excellent students from focusing on teaching.

Professor Mark S. Wrighton, a former head of the chemistry department, said that the primary emphasis for graduate students at MIT is the development of their teaching potential, but the nature of researchers with "world class reputations."

Professor Daniel S. Kagan remarked that one major problem of MIT teaching was the inability to make a sense of genuine pride in students. He said that often, teaching talent and course are mismatched and as a result, students were not taught well. He further commented that many students lack self-esteem due to the competitive nature of the classes and feels that teaching may contribute to this.

Undergraduate students were concerned with the need to integrate classroom and laboratory classes, while faculty members recognized the need for more laboratory classes in general. The limitations brought about by finances, space, and limited of students and faculty were discussed as possible causes of such problems.

Wrighton praises teaching and research

(Editor's note: The following is the text of the speech delivered by Provost Mark S. Wrighton at the colloquium on Wednesday afternoon in Kresge Auditorium, as recorded by The Tech.)

I've prepared a lot of notes and I can now lecture you for the next few hours. But I would like to say a few things in closing that I think may pass some additional illumination on some aspects of reality.

First of all someone commented that you're told every day that once you begin you are told that research is important. Let me tell you that research is important. Research is important to our university enterprise at MIT and in fact plays a big role in it and continues to and we hope that it will in the future. This enterprise is predicated on the notion that education and research are tightly coupled. [Garbled]

Today you heard many views. This community is 20,000 people, probably having 100,000 different perspectives on the importance of teaching in research institutions. But there are perceptions and there is reality. I think only a fraction of reality has been revealed in these discussions.

But it seems to me that one thing is very vivid, and the large participation in this room indicates a kind of strong reaffirmation of our commitment to excellence in both education and research and to those formal aspects of teaching that involve so many people here and is of importance to every person who is at MIT. Every one of those 20,000 people is getting some sort of educational experience here and our commitment should be to make it excellent.

I'll say in a moment why I believe research is so important, but let me emphasize to those who in fact prize teaching a

great deal, let me emphasize that single individuals just as in research can make an enormous difference in the lives of other individuals.

Let me give you an example. I stand before you today as a person educated formally in the area of chemistry. I have an undergraduate degree in chemistry from Florida State University and a PhD degree in chemistry from CalTech. I started, governor, I started majoring in government at Florida State and in three weeks I changed to chemistry, not because the teaching in government is so weak or poor but because my chemistry professor was so great and inspired me.

But beyond that I think that in the evolution of my freshmen year I was looking around for support — so to speak — for my activities as an undergraduate, and I wrote to another faculty member and asked for a position as a dishwasher in his research laboratory. Three years later I had a half a dozen research publications in competitively reviewed journals.

But that experience is something that I envision for every undergraduate. Every undergraduate should have the thrill of discovery and that I think is what is important about the connections between education and research. At this institute and many other research institutions it's possible from the earliest days as a freshmen to become acquainted not only with the learning experience becoming acquainted with what has been done in science and engineering and other fields but in fact to be doing it.

That's far more interesting than simply sitting before lecturers heavily in their research. That's a participatory education and that I think can be a positive outcome from experience at a research university. One of the things that was missed from the discussion in my view were some critical comments: Why is it that faculty can never be found in their

offices? It is stated from time to time that the average elevation for the MIT faculty is roughly 15,000 feet. They're on airplanes traveling around the world, consulting, spending time away from their students. But in fact this is an institution belonging to other institutions which contributes to the creation of knowledge and in our charter we are charged to bring that knowledge to society's benefit.

I believe that we serve an important educational role as ambassadors of knowledge through our consulting activities. And let me say for the students that are here — most of you are going to go into the private non-academic sector with your profession. Do you really want to be taught by people who have never set foot in an industrial setting?

Consulting provides for the faculty many opportunities to learn about industries needs, activities, problems, and can acquaint you with those. We are a \$300 million research operation. Most of that support does come from the federal government, the taxpayers. We have a responsibility to communicate the results of that research and it involves travel and participation in meeting for that knowledge to be shared.

But of course it does create tension for the faculty member when they realize that they have to fly in from California on the red-eye to shuttle up for their 9 am class. These are some of the issues that I think that some of you may want to continue with this discussion. . . .

Finally, this colloquium was Chuck Vest's idea. This is, in fact, the concluding event of this inaugural year. I think that it's been an extraordinary colloquium. I've participated in several of the ones that preceded it, and this has been by far the most engaging in terms of participation, interaction. Let's go shape the future.

For the price of a movie ticket, we can give companionship to a shut-in.



LEARN TO FLY

Diversify your experience
Earn your airplane pilot license with FAA certified flight instructor.

Call Ted Bekele at 787-3374

Westgate Variety Store Offers Specials

- Movie rental just 99¢ a day
 - 2 liter Coke 99¢
 - Sandwiches
 - 5¢ copies
 - We carry drinks, chips, frozen food, juices, bread, spring water and lots more.
- Visit us for all of your needs.
Indian food is also available.

Volunteer Opportunities

MA Eye & Ear Infirmary
Volunteer opportunities are available at the Massachusetts Eye and Ear Infirmary, internationally recognized for leading programs in treatment, teaching, and research. Volunteers assist in virtually every department of the hospital and help staff members deliver the quality patient care for which the Infirmary is known. To obtain an application form and for more info please stop by the PSC or call Ruth Doyle at (617) 573-3164.

Green Card
Catholic Charities of Boston needs a volunteer ASAP to help refugees in receiving their green cards. Get to know people of other cultures and experiences as you learn more about the U.S. immigration process. A time commitment of four hours, once a week, is required. To get involved please contact Tanya Witte or Kimberly Bastian at (617) 723 9078.

Walktoberfest
Come Join Walktoberfest on Sunday, October 20, and help the American Diabetes Association raise funds for the Massachusetts affiliate. Walktoberfest is a 10-mile walk-a-thon that begins and ends at Newton North High School. Call 1-800-229-2559 if you want to register a team of walkers. Volunteers also needed to help run the event.

Project Bread
The Technical Assistance Project is recruiting students interested in receiving training in volunteer management. Project Bread is a non-profit organization that provides funding and technical assistance to over 350 soup kitchens, food pantries, shelters for the homeless and other emergency feeding programs in Massachusetts. The two-step training process begins first with a day-long training session, and continues with fieldwork in an emergency feeding program. For this agency you would develop and implement a volunteer program by creating a workplan to recruit, manage and recognize volunteers. This project will run from the end of January to May 1992. Interested students should be highly motivated, enthusiastic, and able to work independently. The hours are flexible. Students should be available to work two or more hours per week or eight hours per month. If you want to gain free training and valuable experience as a management consultant for non-profit organizations, please contact Noreen Kelly at (617) 723-5000.

NEAVS
The New England Anti-Vivisection Society is looking for volunteers to help with work parties on the last Thursday of every month. Many different opportunities available including education, administration, and lobbying work. For more information call Lisa King at 523-6020.

Compiled by the Public Service Center, rm. 3-123, ext. 3-0742

This space donated by The Tech

Powerful People. Powerful Products.

You're about to receive a technical degree from MIT, one of the world's most renowned educational institutions. Congratulations!

At Intel, we're carrying our legacy of technological innovation on into the '90s and beyond — with a variety of development programs in advanced technologies, systems and components. The type of projects that transform world-class degrees into world-class careers!

POWER HOURS

To learn more about our challenging opportunities, unique benefits and desirable locations, you are invited to attend the Intel Presentation/Reception scheduled:

Date: Tuesday, October 22
Time: 5:00pm - 7:00pm
Place: Building 4-231

Campus interviews will be conducted in the Career Placement Center on October 24 and 25 for BS/MS EE, CS (Courses 3, 6.1, 6.3 and BS/MS Material Science).

If you can't meet with us on campus, send or FAX your resume to: Intel College Recruiting, 5000 W. Chandler Blvd., Chandler, AZ 85226, FAX (602) 554-7004, to the attention of Intel College Recruiting. Intel Corporation is an equal opportunity employer and fully supports affirmative action practices. Intel also supports a drug-free workplace and requires that all offers of employment be contingent on satisfactory pre-employment drug test results.

intel
The Computer Inside.™

ENGINEERING STUDENTS

A Commitment To World Class Manufacturing Is Only One Reason You Should Talk With Us.

We're Ethicon, a growing member of the Johnson & Johnson Family of Companies. We can offer talented engineers challenges and growth opportunities few companies can match. Recognized as a world leader in the development and manufacture of surgical closure devices, we're currently directing our energies and resources toward bringing a variety of innovative products to the surgical audience.

We have opportunities in our Somerville, New Jersey, San Angelo, Texas and Cincinnati, Ohio facilities, for students in:

- Electrical Engineering
- Industrial Engineering
- Mechanical Engineering

Our representative will be on campus on Wednesday, October 16th at 4-153 from 7:00 to 9:00 PM. Stop by to learn what our opportunities can mean for you.

ETHICON
a Johnson & Johnson company

An equal opportunity/affirmative action employer M/F/H/V.

"Choose your starting point carefully.

When you plan on making engineering your life, look for a company with the size and diversity to provide an unparalleled spectrum of career options.

Like General Motors. Look for a company with numerous divisions, groups, subsidiaries and joint ventures making technological advances in everything from cars and trucks to satellites. Like General Motors. Then talk to engineers of all disciplines who share both our commitment to individual achievement and our passion for teamwork. Once you know all the facts, you'll know why the world's largest industrial corporation is the right place to launch your career."

Teamwork that touches the world.



An equal opportunity employer.

An Invitation To Tomorrow's Engineers

GM proudly displays *The Pontiac Protosport 4* and other concept vehicles in front of the student center, Wednesday & Thursday, October 16 & 17, 1991. Rain or shine.

Coop rebate lowest in years

(Continued from page 1)

renovations or reductions in that department. The only thing Pil was sure of is that textbooks will be a permanent fixture at the Coop.

The rebate percentage is calculated using the total member expenditure. Since the Coop is a cooperative, all of the profit from member sales is returned to the members. But, as Pil explained, non-member sales can increase the rebate because if they are high enough, they can subsidize electricity and other physical plant expenses.

In the 1980s, the patronage rebate ran as high as nine to 10 percent. Pil said that maybe people could lower their standards for the rebate for a while, and then they could be "pleasantly surprised."

According to Thomas Wagner,

the Coop's controller, the total allotment for patronage rebates this year was \$1,700,000. Last year, the allotment was \$1,927,000, while it was as high as \$2,492,000 in 1989.

Pil and Schondorf both said they receive many of complaints from Coop members. However, the general student population doesn't seem too enraged, at least at this point. Charles C. Abnet '92 summed up many students' opinions when he said that "the rebate doesn't really affect me one way or the other." Robert S. Weiner '86 said he is always happy to get the rebate, no matter how small, because he usually doesn't get any money back after he purchases something.

Pil said that "the board members were not excited" about the low rebate. He explained that they are all "concerned," but

added that the rebate is something they cannot directly control. The Coop has taken some steps to reduce expenses, Pil said, adding that "payroll has been cut where possible." He said the rebate will "eventually inch back up to the nine percent level, but that won't happen tomorrow."



Elias

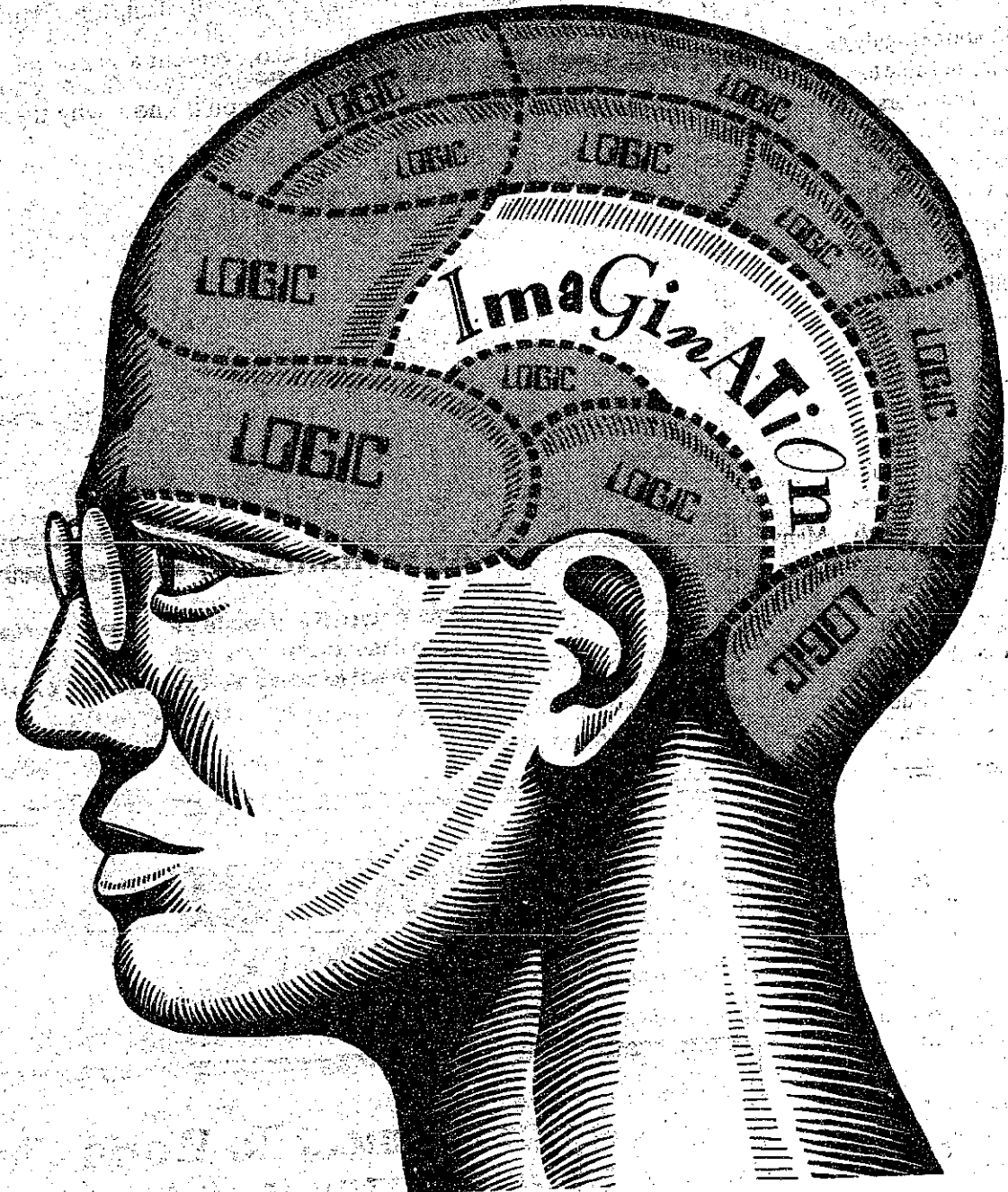
hair care



319 Massachusetts Avenue
Cambridge, Massachusetts 02139 497-1590 • 1591
Appointments preferred

\$5.00 OFF
cuts, perms, etc. Mon.-Wed.
with this ad or MIT I.D.

Expires March 30, 1992
(\$2 discount other days)



Why Morgan is looking for a special breed of genius.

Graduates who have analytic talent sparked by imagination should consider market analyst and research opportunities at J.P. Morgan.

J.P. Morgan provides sophisticated financial services to the world's leading corporations and governments. This business requires that we manage more than routine risks. Our position as a global financial power demands it.

One key is development of strong, proprietary analytic models. They're critical to Morgan's moment-to-moment trading activities around the world. The success of our actions—whether for funding, trading, or risk management—relies on those models. Each day, they must pass the test in one of the world's toughest proving grounds: the financial markets.

To assure that success, we seek exceptionally talented, team-oriented individuals who have strong mathematical and computer modeling skills. Demonstrated mastery of computer-based decision and simulation tools is important, as is a desire to work in an environment that fosters and rewards superior performance. Please plan to attend our upcoming information session.

Or contact Gail A. Gordon,
J.P. Morgan & Co. Incorporated,
60 Wall Street, New York, NY
10260.

Career Opportunities at Morgan

JP Morgan

sports

W. tennis continues to excel

By Pratima Rao

The MIT women's varsity tennis team continued their outstanding season performance this past week by defeating both Brandeis University and Babson College. In addition, two members of the team advanced to the doubles finals in the Women's Rolex Tournament over the weekend.

On Tuesday, the MIT women avenged last year's loss by decisively beating Brandeis by a score of 8-1. The Engineers played well in this important conference match, bringing their overall season record to 6-2.

The Babson College Beavers

proved to be no match for the Engineers in Thursday's match. MIT won every individual match, making the final score 7-0.

Over the weekend, Valerie Tan '94 and Freddie Turner '95 represented MIT at the Women's Rolex Tournament, held at Wellesley College. Thirty-two of the top college women tennis players from the New England region participated in the tournament.

The doubles team of Tan and Turner played well, defeating

three other doubles teams to reach the tournament's finals, held on Sunday. Despite a valiant effort by Tan and Turner, the team fell to the number one doubles team from Wellesley, 2-6, 1-6. This was the first time that an MIT women's team has made the finals of the Rolex tournament. Coach Candy Royer said she was pleased with the team's performance.

Pratima Rao '92 is a co-captain of the women's tennis team.

The Tech Sports Hotline: 253-1541

Jim's Journal by Jim



... only in The Tech.

classified advertising

Classified Advertising in *The Tech*: \$5.00 per insertion for each 35 words or less. Must be prepaid, with complete name, address, and phone number. *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

File's Basement Boston offers personal service and bargains too. Ann Murgia will assist you in selecting your winter wardrobe including leather jackets and outerwear at 30% to 60% off department store prices. Not available on Wednesdays and Fridays.

Tutor for high school MIT/Harvard students wanted for tutoring a female high school student. Must excel in physics or calculus or English literature. Tutoring location: campus or Lexington. \$10/hr. 674-2461.

No gimmicks — Extra income now! Envelope stuffing — \$600-\$800 every week. Free details: SASE to Brooks International, Inc. P.O. Box 680605 Orlando, FL 32868

Campus representatives needed Earn free trip and big commissions by selling Cancun, Mexico. For more information call toll free at 1-800-755-7996 or in Connecticut at (203) 975-8833.

CASE start-up
Our client, based in Massachusetts, is looking for a C++ expert. There is equity and a bright future in this opportunity. **SOFTWARE RESEARCH and DEVELOPMENT** — our client, a Mass. based organization, is building a software lab to do advanced research for future generations of computing. The impact of this research will be global in scope. The creative opportunity will be exceptional. Candidates should have a **PhD.** or **ABD** in Computer Science, Math, or Electrical Engineering with solid experience in research, 4th and 5th generation languages, advanced architecture and operating systems. We prefer experience in any of the following: **CASE**, distributed software development, object oriented applications, real-time database management systems (relational and non-relational), fault tolerant computing, performance analysis, graphics, and testing methodologies. You must be driven by the desire to impact your environment and your future.

Contact: Beverly Kahn, president, New Dimensions in Technology, Inc., Dept. PB 267, 67 Pleasant St. Swampscott, MA 01907, or via FAX (617) 592-9290.

The Tech Subscription Rates: \$20 one year 3rd class mail (\$37 two years); \$55 one year 1st class mail (\$105 two years); \$52 one year air mail to Canada or Mexico or surface mail overseas; \$140 one year air mail overseas; \$10 one year MIT Mail (2 years \$18). Prepayment required.

Harvard-Epworth United Methodist Church

1555 Massachusetts Avenue
(opposite Cambridge Common)

Sundays, 9 and 11 a.m.

THE O'CONNOR PARTNERSHIPS

LEADERS IN FINANCIAL RISK MANAGEMENT

THE O'CONNOR OPTION

O'Connor is a premier technology-based securities trading and financial risk management firm. As traders, we actively make markets in foreign exchange, interest rates, and U.S., European and Japanese equities and indexes. As risk managers, we use derivatives to manage very large, complex portfolios using the latest in technology and financial theory.

We have formed an alliance with Swiss Bank Corporation that strategically combines O'Connor's trading and technical expertise with Swiss Bank Corporation's prominence among financial institutions, creating one of the leading global providers of financial risk management products and services.

Our fast-paced, innovative environment gives talented individuals the opportunity to assume responsibility quickly and shape their career, both domestically and internationally. We seek highly motivated people with quantitative, analytical, and problem-solving abilities to join our team.

"CAREER OPPORTUNITIES IN OPTIONS TRADING"

Wednesday October 16, 1991

7 p.m.

Hyatt Cambridge
Dawes Room

Chicago-New York-Philadelphia-San Francisco

London-Stockholm-Toronto

Equal Opportunity Employer

O'CONNOR: CAREER OPTIONS, UNLIMITED FUTURES

sports

Crew garners overall points trophy in rain

By Brad Layton, Amy Bowen and Steve Wiggins

MIT crew brought home the total points trophy from a rainy Textile River regatta last Sunday. With 17 boats, MIT was able to enter nearly every event.

The heavyweights took sixth in the club eights in 19:20 (Tufts won in 18:19), and fifth in the open eights, one second out of third and 20 behind Coast Guard, who took home the gold. The Men's open fours results are as follows: 1-New Haven 20:08, 2-MIT B 20:22, 3-MIT A 20:35, 12-MIT D 21:58, 16-MIT C 22:38.4, 17-MIT E 22:38.6, 20 MIT F 22:50.

The varsity women entered a total of four eights in the regatta. In the club eight race, the MIT women rowed well together, finishing seventh out of a total of twenty entries with a time of 21:55.6, less than a minute behind Tufts first place time of 21:04.3, and very close to Trinity College's fourth place time of 21:48.8.

The lightweights entered two fours and two eights in the competition, and took first and second in the light fours event. The winning crew, made up of (bow to stern) Dave Brenneis '92, Scott Jacobsmayer '92, Mark Armstrong '92, Jeff Kuehn '92 and Kate Brogton '92 (coxswain), covered the three-and-a-half mile course in 20:20.

The second-place boat, manned by Inigo Puente '94, Steve Wiggins '93, Rob Bergan '94, Paul Tempest '92 and cox-

swain Otway Louie '93, was not far behind, covering the course in 20:36. Third-place Bates College came in far behind at 21:20.

Lightweight captain Jeff Kuehn said, "We were the first off the line with no one to move on, so I just kept the thought of beating heavyweights in my head. The heavies said that our amazing time was due to river conditions, but that's their excuse for all that extra lard they have to haul down the river."

The lightweights also entered a lightweight eight and a club eight each in their respective divisions. Both boats rowed well, and each pulled a respectable sixth place.

In the women's lightweight eight race, MIT women placed third out of four boats after a solid race with a time of 22:43.8. In the women's doubles event, Laura Opsasnick G and Becky Dumas G came in second with a time of 24:11.3, only 0.6 seconds from first place. The MIT women also had two entries in the open eight event later in the afternoon. The results of that race were not available, however.

The teams will have another chance to win awards at the prestigious Head of the Charles, coming up on Oct. 20, and at the Foot of the Charles in early November.

Steve Wiggins '93 is a member of the men's lightweight varsity crew team. Brad Layton '92 is a member of the men's heavyweight crew team. Amy Bowen '92 is a member of the women's crew team.

Got Something
On Your Mind?

If it's about our food or our service, we'd like you to share it.

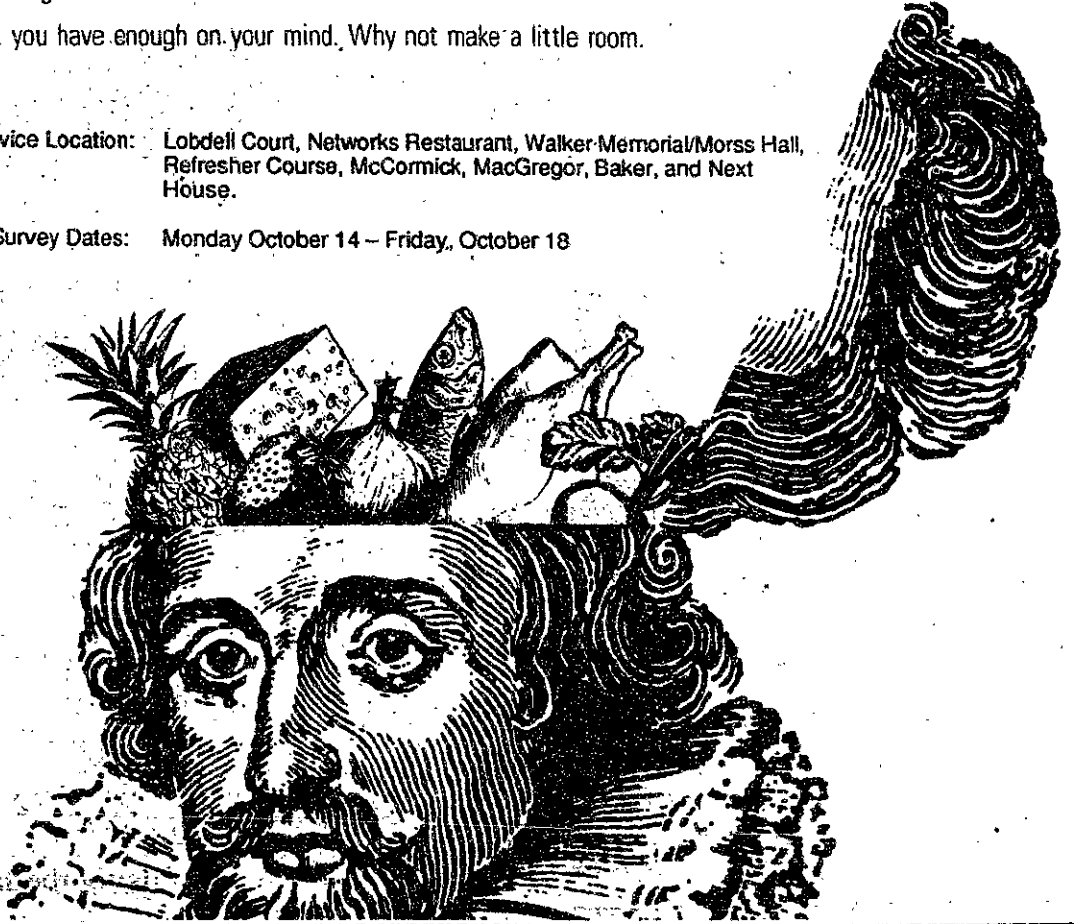
That's why we're conducting a survey. Filling it out will speed your comments to us. But, more important, it will get results for you.

What you want in dining services is important to us. You're the customer. Tell us what's right, tell us what's wrong—but tell us.

After all, you have enough on your mind. Why not make a little room.

MIT Food Service Location: Lobbell Court, Networks Restaurant, Walker-Memorial/Morss Hall, Refresher Course, McCormick, MacGregor, Baker, and Next House.

Survey Dates: Monday October 14 - Friday, October 18



Prepared for the future. Yours and ours.

ARCO is meeting the challenges of today's petroleum industry through creative engineering and a drive for excellence. Coupled with one of the largest domestic liquid reserve bases in the industry, our quest to be the best has prepared us for a bright future.

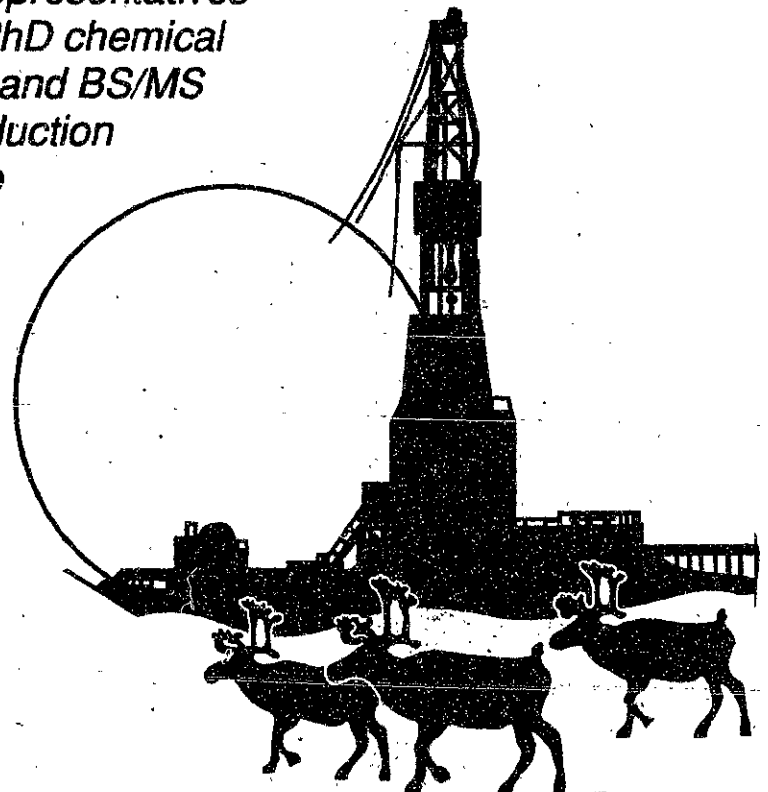
We invite you to investigate making our future yours when our representatives are on campus, October 21-24. ARCO will be interviewing MS/PhD chemical and mechanical engineers for our research center in Dallas, TX and BS/MS chemical and mechanical engineers for our exploration and production operations in Alaska. Both permanent and summer positions are available. Please contact your placement office for details.

ARCO Oil and Gas Company 

ARCO Alaska, Inc. 

Divisions of AtlanticRichfieldCompany

An Equal Opportunity Employer M/F



sports

Varsity runners sprint to third

By Peter Ronco

This past Saturday, the men's varsity cross country team finished third in a strong field of competitors at the annual LeMoyne College Invitational. The junior varsity team continued its dominance over other Division III teams with another victory.

The warm and muggy conditions on race day were not exactly perfect racing conditions, but that did not seem to bother the MIT junior varsity team as they prepared for the first race. A few runners were slightly apprehensive about facing the LeMoyne course, often the subject of veterans' war stories.

Due to this apprehension and respect for a large hill in the first half-mile of the race, the MIT team stayed in the middle of the pack for the first mile. Then, with four miles left in the race, small groups of three or four MIT runners began to move on the leaders. After the next two miles of woody terrain had passed, MIT had improved its overall position to third, behind Geneseo and Ithaca Colleges. Spectators, including Coach Halston Taylor, felt that not much would change after this point in the race.

But the MIT runners obviously had other plans. With two miles to go, John Noland '95 pushed his way into second place and began working on the first place man. At the same time, Eric Olson '95 and Jon Claman '93 worked over their opponents to move into excellent positions. These moves inspired other team members and the entire team gradually began picking off opponents.

With 400 meters left in the race, Claman powered past two more Geneseo runners to finish fourth in the meet. Along with Noland and Olson, this gave MIT a two, three, four finish. Carl

Munklewitz '95 and Jesse Hull '95 filled out MIT's top five and enabled the JV team to continue its undefeated season against Division III teams.

Inspired by the tremendous performance of its junior varsity, the MIT varsity team raced its way to a third-place finish in the later meet. Again, the team started out at a controlled pace in the first half mile of the race so as not to get burned out by the large hill. After cresting the hill, however, the entire seven-man team followed its strategy and began to move on the rest of the field. Students from the Rochester Institute of Technology, which is presently ranked seventh in the nation, followed the same plan and moved past the MIT team. These two teams, along with Ithaca, moved farther ahead for the next two miles. After half of the race was finished, the field had essentially narrowed to RIT, Ithaca, St. Lawrence and MIT.

RIT easily took first place with 32 points, leaving Ithaca and MIT to battle for second. In the last 300 meters of the race, the Ithaca team barely sprinted past MIT. Led by Jesse Darley '95 and Ethan Crain '95, MIT accumulated 77 points, just four points out of second. Jerry Pratt '94, David Moyle '94 and Peter Ronco '92 rounded out MIT's top five finishers.

Despite their third-place finish, the team remained upbeat after the meet. Placing well in such a strong field (MIT beat 17 other schools) gives the team confidence that it can perform well in the New England Division III meet, which is the qualifying race for the NCAA Nationals. The junior varsity's performance means MIT cross country can look forward to several more years of success in the immediate future.

Peter Ronco '92 is a member of the men's cross country team.

Women runners 2nd to Wellesley

By Amy Rovelstad

Last Friday afternoon, the women's cross country team placed second at the Wellesley Invitational, improving last year's third place finish. With its large team of strong runners on their home course, Wellesley handily won the event (where lowest score wins) with 24 points, while MIT finished with a respectable 44 points.

Wheaton College (72 points), Regis College (100 points) and Simmons College (no team score) were the other competitors.

Even more exciting than last week's hills and streams, this course took the runners through a toxic waste site. Despite this, the race was pretty fast for a warm day.

Once again, the team worked together well and was able to decrease the amount of time between the first and fifth runners. As usual, sophomore Nicole L. Freedman finished first for MIT. Her time of 20:35 for the 5 km (3.1 mile) race put her in third place over all.

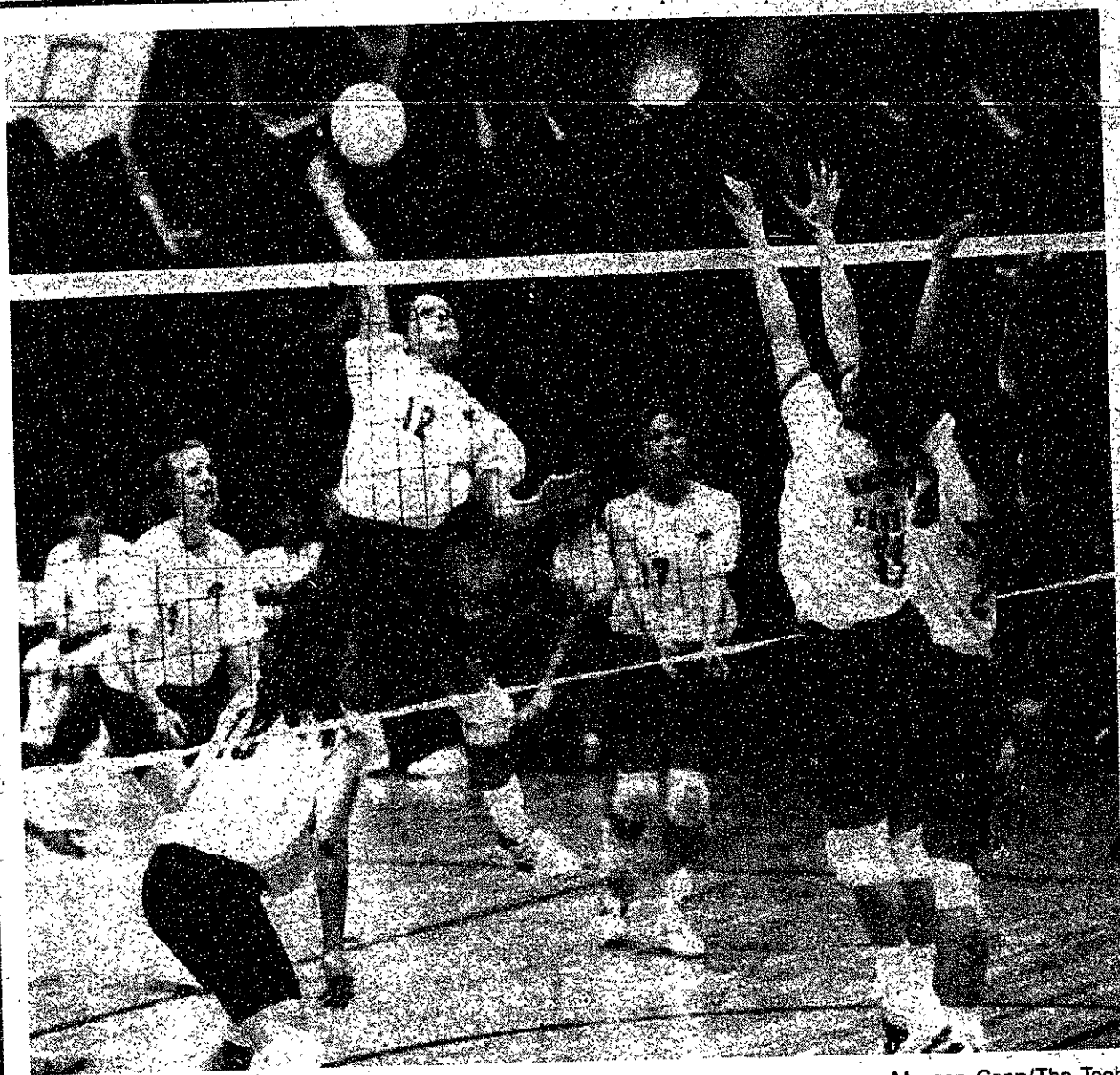
Most important for the team's performance, however, was the fact that the next four MIT runners finished within 36 seconds of each other. Amy Rovelstad '92 crossed the line at 21:47 (10th)

overall, followed closely by Agnieszka Reiss '95 in 13th place (21:58), Gabrielle Rocap '92 in 15th (22:10) and Marjorie Delo '95 in 16th (22:23). Evelyn Kao '95 and Bridget Banas '95 rounded out the varsity seven in 19th and 23rd, respectively, with Elaine Yang '95 hot on Banas' heels.

Even though a late-running class forced Alexandra Witze '92 to take the shuttle to the Wellesley campus and arrive just five minutes before the gun went off, she finished at a decent 30th place. In an intense sprint, Gowri Rao '93 caught a competitor right at the finish line to place 31st. Patricia Foote '92 and Karen Gondoly '93 also competed for MIT.

"Now, if we could all just run a minute faster," Rovelstad commented half-jokingly after the race. Perhaps this is not as unlikely as it sounds, since the gap between the first and fifth runners decreased by over 45 seconds from the week before. Shrinking this gap will continue to be the team's challenge as it moves into its championship season this Saturday.

Amy Rovelstad '92 is a member of the women's cross country team.



Morgan Conn/The Tech
Denise Nemchev '92 spikes the ball past the University of Lowell defenders during Wednesday night's game in DuPont. MIT rallied with spectacular play from two games behind to win the match.

WASTED YOUTH.



ONLY YOU CAN PREVENT FOREST FIRES.

A Public Service of the U.S. Forest Service and your State Forester.

This space donated by The Tech

Welcome Aboard Travel Announces Low Fares

From Boston to

Karachi	\$955 + tax R/T
Dhaka	\$975 + tax R/T
Bombay/Delhi	\$1025 + tax R/T

Call Raheela Chaudry at (617) 577-0035 for more info.

Career Opportunities at Morgan

for M.I.T. students interested in

Corporate Finance
Research
Sales
Systems
Trading

Please plan to attend our information presentation on
Wednesday, October 23

6:30 pm

Room 4-163

Confirm the time and location with your placement office
J.P. Morgan is an equal opportunity employer

JPMorgan