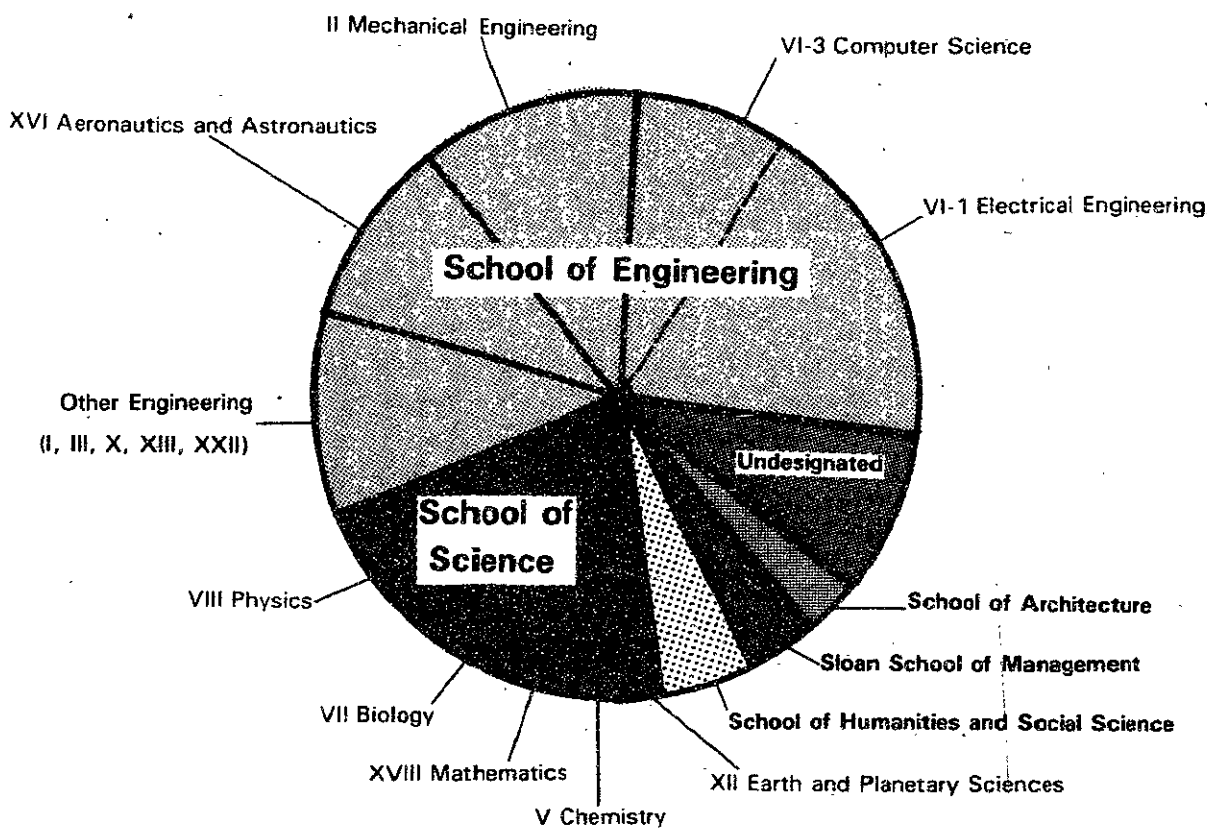


Class of 1990 majors



Tech Graphic by Ronald E. Becker

Fewer freshmen to major in Course VI

By Robert Adams

Enrollment in the department of electrical engineering and computer science will drop by about nine percent next year, according to the Undergraduate Academic Support Office's survey of freshmen major designations. Thirty percent of the class of 1990 — 249 students — declared Course VI, down from 33 percent last year.

This will apparently be the first year that EECS enrollment will fall below the benchmark of 270 set by the Committee on Undergraduate Admissions and Financial Aid. CUFAA had threatened to restrict admissions to the department if the benchmark was not met.

In addition to the drop in EECS, there was significantly less interest in the departments of mechanical engineering and aeronautics and astronautics. Overall enrollment in the School of Engineering is down 5.5 percent from last year.

Also, the School of Science has rebounded from a large enrollment decline last year. Twenty-three percent of the freshmen designated a major in the School of Science this year; last year it was 19.5 percent, and the year before it was 25 percent.

Almost 3 percent of the Class of 1990 expressed an interest in the Sloan School of Management.

ment. This is a large increase from last year's 0.8 percent.

The number of students choosing majors in the School of Humanities, Arts, and Social Sciences was down slightly to 2.5 percent from 2.7 percent last year and 3 percent the previous year.

History of EECS crowding

Enrollment in EECS had remained constant at about 200 between 1974 and 1976. In 1976, sophomore enrollment topped 240 and rose steadily; in the fall of 1983, 380 sophomores entered the department.

In September of 1984 the Committee on Educational Policy (CEP) proposed restricting the choice of major of some admitted students. The proposal was the result of discussions of EECS overcrowding over the 1983-84 school year.

CEP proposed benchmarks of 350 for 1984, 310 for 1985, and 270 for 1986 at that time, with restrictions to be implemented if sophomore enrollment went beyond those levels. The department hoped to reach a steady-state enrollment of no more than 270 undergraduates per class.

The MIT faculty approved the CEP plan in October of 1984, by a 2-to-1 margin. The Committee on Undergraduate Admissions and Financial Aid announced prior to the meeting that it had no

(Please turn to page 2)

Smith, Theoharis share Baker teaching award

By Niraj Desai

Brian H. Smith, associate professor of political science, has become the 17th professor denied tenure to win the Everett M. Baker Award for Excellence in Undergraduate Teaching.

Assistant Professor of Literature Theoharis C. Theoharis shared in the award, which was presented at Wednesday's Awards Convocation. Twenty-two other prizes were also awarded at the ceremony.

The Baker Award honors junior faculty members — below the rank of full professor — for exceptional interest and ability in the instruction of undergraduates. Presented by the Baker Foundation, a student group, the award has been given since 1963 to 31 professors, 11 of whom received tenure.

The selection process "is based completely on teaching ability," said Baker Foundation Chairman Alan M. Davidson '89, who is also vice-president of the Undergraduate Association. After receiving nomination letters from

students, the Foundation surveyed students presently taking classes from the nominees. A five-member student committee then reviewed all nominations before deciding upon the winners.

"[Theoharis's and Smith's] recommendations from students were incredible. People said they

(Please turn to page 2)

Reproductive technologies raise ethical considerations

Feature

By Michael Gojer
and Ben Z. Stanger

Swiftly developing reproductive technology, which has enabled infertile couples to have their own children and allowed early identification of genetic disorders, has also raised a number of ethical questions. A representative from the Biology Department and MIT religious counselors held a seminar Wednesday to discuss the limits of the technology, and the morality of its use.

Rabbi Daniel Shevitz noted that many ethical problems arise out of the possibilities for learning genetic information about a child before birth. The ability to detect genetic deficiencies in a fetus that may lead to disorders later on precipitates decisions in areas of ethics that are not clearly defined, he said.

Shevitz was concerned that, in the future, parents might be persuaded either by societal pressures or public health policy not to carry certain fetuses to term if they discovered any of a number of different genetic deficiencies before birth.

(Please turn to page 14)

Officials review reform agenda

Deans reveal long-term plan for education

By Ahmed Biyabani

Dean of the School of Science Gene M. Brown announced that the School of Science Educational Committee is "addressing radical changes" in the freshman academic program at a forum on MIT's educational agenda.

Representatives from three schools spoke at the forum Tuesday. Jack L. Kerrebrock, associate dean of engineering, said that the School of Engineering wants to make sure students understand "economic and managerial principles," and Ann F. Friedlaender PhD '64, dean of the School of Humanities and Social Sciences, suggested that the School may offer some graduate degrees in the future.

Proposed changes in the science curriculum include making Calculus (18.01) a prerequisite for Physics I (8.01) because some students lack the necessary mathematical background. Physics II (8.02) might then need to be offered with a pass/fail option in upper years.

Other proposed changes include offering several different versions of 8.01 and merging Principles of Chemical Science (5.11) and Introduction to Solid-State Chemistry (3.091) into a single introductory chemistry course.

Brown, former head of the Department of Biology, "feels strongly" that there should also be a life-sciences requirement. However, if this requirement is approved, another "requirement must be dropped somewhere down the line."

The science departments are seeking a "better match" between



Alice P. Lei/The Tech

Ann F. Friedlaender PhD '64, dean of the School of Humanities and Social Sciences, speaks at Tuesday's CUP forum. Seated are Jack L. Kerrebrock (far left), associate dean of engineering, and Dean of the School of Science Gene M. Brown.

Deutch: Institute must balance technical, social understanding

By Ahmed Biyabani

MIT needs a "fundamental rebalancing" from a basic scientific education to one involving more social interaction, Provost John M. Deutch '61 said at a forum Tuesday on the Institute's educational agenda.

Representatives from several of MIT's schools spoke about changes which they anticipated in coming years. Other speakers addressed various aspects of the MIT curriculum, ranging from the controversial HASS-D proposal to possible changes in the Science Distribution requirement.

Current changes in the HASS requirements are only a part of a long term plan to "rebalance the focus on undergraduate education," Deutch said.

The 18-month old push for reform seeks to "provide individual fulfillment" for students, convey a spirit of tolerance for diverse views in society, and "motivate the individual for a life of learning."

Most students feel that MIT is like an ordeal by fire that must be endured, Deutch said in response to a question from Undergraduate Association President Manuel Rodriguez '89 about why MIT's image has to be changed.

Deutch defended the controversial limiting of HASS-D subjects to four or five categories. Students "should stop at several

different points . . . and take a look around . . . at an intellectual map of the liberal and humanistic world."

The "obviously arbitrary" cap of 10 subjects for each proposed humanities field is needed to prompt instructors to broaden their courses and reduce specialization, Deutch said.

In addition to the HASS requirement currently under review, the Committee on the Undergraduate Program will also scrutinize the Science Distribution requirement and "the way math and chemistry are taught [compared to] other schools."

(Please turn to page 13)



Ben Z. Stanger/The Tech

A car burns in front of 77 Mass. Ave. on Wednesday. Firefighters quickly extinguished the blaze. The pretzels were not injured.

inside

Of fire and ice and atomic bombs. Review of a new book by Richard Rhodes. Page 8.

Two win Baker award, one was denied tenure

(Continued from page 1)
were the best professors they've ever had," Davidson noted.

The Baker Award has generated some controversy because of the number of winners who failed to receive tenure. In particular, the department of mathematics's decision last year not to grant tenure to Associate Professor Frank Morgan '74, the 1982 winner, caused considerable student protest.

Davidson denied that, by giving the award to a professor who had already been refused tenure, the Foundation was trying to send a message to the MIT administration. "We tried not to allow external political considerations to be involved," he said.

"MIT has room for great researchers, but not great teachers"

Smith said he was told by his department that he would not be reappointed because his research was not of sufficient quality.

Davidson charged that by denying tenure to people honored for exceptional teaching ability, MIT "is telling us that it has room for great researchers, but not for great teachers."

Smith agreed with Davidson's contention, saying that research ability is clearly the most important factor in tenure decisions. Smith believed that a similar situation existed at most other universities.

Theoharis, however, did not think that research ability was overemphasized in the literature section. "Teaching is not negligible at all in the tenure decision," he said of his section. "I am

watched in my classes" by colleagues looking for teaching ability.

Having only been at MIT for three years, Theoharis will not be considered for tenure for another four years. As a junior faculty member, he has never served on a tenure committee.

Davidson believed that a focus on research by most departments hurts the quality of undergraduate education. When good teachers don't get tenure — "people who have really put something into this place — we as students all lose," he said.

Lack of student input

He felt the problem in the tenure process was a disregard for student opinions. "There really has been no great effort to get student input."

Increasing student influence on tenure decisions was part of the platform on which UAP Manuel Rodriguez '89 and Davidson ran two months ago. Since then their efforts "have not been getting a good ear from the administration," Davidson claimed.

Most decisions on tenure are made by the faculty of individual departments and they have been reluctant to share that power, Davidson said. "As a result, it is a very sensitive problem when we, the students, try to get involved."

Provost John M. Deutsch '61 has opposed efforts to interfere with the faculty prerogative. "Even though we always welcome student input, this is an issue that is solely a faculty matter," he said last week.

While Smith did not think teaching received enough weight in departmental decisions, he did believe student opinions about professors as teachers were taken seriously.

Theoharis added that, "in this country, classroom teaching is taken much more seriously than [in Europe]."

Teaching at odds with research?

"Working with students is what I most enjoy," Smith said. "I feel wonderful about the award — very satisfied."

He believed opinions about the relative importance of teaching versus research varied among faculty members in his department. "Some enjoy teaching very much [as well as doing research]; others place much more emphasis on their research."

Theoharis said that teaching and research are equally important to him and go hand in hand. At least in the humanities, it is not possible to be a competent scholar without teaching, Theoharis said.

"Teaching and research are not mutually exclusive," Davidson asserted. Simply because a professor "devotes a lot of time to improving teaching skills, does not mean he neglects research."

Davidson defended Smith's scholarship, claiming that Smith's two books — the first on the Catholic Church and Chilean politics, the second on international charities — have been critically acclaimed.

When Smith was denied tenure in February, it was in large measure because the department believed his second book — which hadn't been accepted for publication at that time — was not of sufficient quality. Soon afterwards it was accepted by the Princeton University Press.

"I don't think that a book that is accepted by a major university press is of insufficient merit," Smith said, expressing disappointment that the department disagreed.

Donald L. M. Blackmer, head

of the Department of Political Science, could not be reached for comment.

Theoharis' major research interests are in 20th Century literature. He has written two books: one on James Joyce's *Ulysses*, the other on the French-Irish playwright Samuel Beckett.

Asked how he felt about receiving an award that has been likened to a "kiss of death" with regard to tenure, Theoharis joked "I certainly hope not."

Smith may leave soon

Smith has been searching for an appointment at some other

universities, but his plans are unclear. He may leave MIT at the end of this term or remain for an extra year as a lecturer.

After he had been refused tenure, Smith claimed that some faculty members in his own department began avoiding him. Students, however, have generally defended him. "Students have been my source of support," he said.

Davidson was angered that MIT let Smith go. "Here's a man who cares a lot about students, who devoted so much to improving the quality of education [and didn't get tenure]."

IT'S HERE!

TECHNIQUE 1987

GET YOURS BEFORE IT SELLS OUT

Student Center Lobby
May 4 — 8, 10 am — 4 pm

OR

Stop by our office —
Student Center room 451 x3-2980

Institute award winners

The Karl Taylor Compton Awards

(For outstanding achievement and contributions to the MIT community)

Mark Curtiss '87
Chris Linn '87

The William L. Stewart, Jr. Awards

(For contributions to extracurricular life)

Seth Brown '88, Marya Lieberman '89, and Julia Hsieh '89

Spring '86 Staff Course Evaluation Guide

Received by Dean Dellinger '88

Lisa Greber '87

Ranu Gupta '87

Report on the 1986 Graduate Student Survey

Received by Jorg-on Hahn G

Student Life at MIT week

Received by Manuel Rodriguez '89

Norman Wereley G

The Albert G. Hill Prizes

(To minority upperclassmen who have improved life at MIT for minorities)

Helena Cragg '87

Graciella Murguía '87

The Laya W. Wiesner Award

(To an undergraduate woman who has enhanced MIT community life)

Carol Morris '87

The Laya and Jerome B. Weisner Award

(For achievement in the creative and performing arts)

Philip Hsu '87

Patricia A. Zeitler '88

The Louis Sudler Prize in the Arts

(To a senior who has demonstrated proficiency in the arts)

Andrew Borthwick-Leslie '87

Award winners for excellence in athletics listed on page 15.

Freshmen declare majors — Course VI enrollment drops

(Continued from page 1)

plans to restrict EECS admissions from members of the Class of 1989.

In May of 1985, CUAFA decided not to restrict admission to the Class of 1990 after examining the intended majors of the Class of 1988. The number of freshmen planning to enter the department two years ago — 29 percent of the class — fell close to their benchmark of 310 students.

While intended EECS enrollment of the Class of 1989 was projected to be 344, well above the benchmark of 270, CUAFA

voted unanimously not to restrict admissions to the Class of 1991, arguing that the problem could be addressed by improving advising and admitting a broader group of student. Director of Admission Michael C. Behnke assured CUAFA that EECS enrollment would drop.

Although only 249 members of the Class of 1990 have declared Course VI as their major, this number is likely to increase slightly when undesignated freshmen declare their majors in the fall.

LEAVING TOWN?

WE'VE GOT IT!

Get packing! The Coop is your one-stop shop for complete packing supplies. We have it all — sturdy trunks, packing boxes, strapping tape and PVC tape, brown sealing, more! 1/4" plywood trunks are cedar paper lined, with black vulcanized exterior, double lock system and brass fittings, hasps and corners.

TRUNKS in four sizes:

Footlocker	30 x 17-1/2 x 12"	\$65
Steamer	36 x 21 x 12"	\$85
Dormitory	36 x 21 x 22"	\$105
Overseas	40 x 22 x 23"	\$125

PACKING SUPPLIES

White PVC tape	\$2
Kraft paper rolls	\$1.59
White twine	\$3
India twine	\$2.75
Jiffy bags, sizes 0 to 7	20¢ to 75¢
Corrugated cartons, 2 sizes	70¢ and \$1.10

HARVARD SQUARE Cambridge, M-Sat 9:20-5:45pm, Thurs. 'til 8:30
MIT COOP AT KENDALL 3 Cambridge Center, M-Fri 9:15-7pm, Sat 9:15-5:45pm
PARK FREE IN HARVARD SQ* 1 hr Church St lot or 2hrs University Pl or Charles Sq garages.
*With \$5 minimum Coop purchase: validate sales receipt at Coop Cashier's desk.
Coop Charge, MasterCard, Visa and American Express welcome.

the
Coop

news roundup

from the associated press wire

World

Relatives may get to visit Sakharov

Relatives of Nobel Prize-winning scientist Andrei Sakharov have received some good news. Tatiana Yankelevich says they have received tentative permission to visit the Soviet dissident and Yelena Bonner in Moscow. Mrs. Yankelevich says her mother gave her the news when they spoke by telephone Tuesday. The Sakharov relatives live in Newton, MA. Yankelevich says Soviet authorities have tentatively agreed to allow her, her two young children, and her 86-year-old grandmother Ruth Bonner to travel to the Soviet Union. The trip would take place around May 29th.

S. Africa conservatives gain power; Tutu fears increased repression

Anglican Archbishop Desmond Tutu and other black South African leaders are predicting increased government repression of anti-apartheid activists. This assessment follows Wednesday's parliamentary elections, which strengthened the position of white conservatives.

Sports

Oilers even series with Detroit

A pair of Goals from Mark Messier gave Edmonton a 4-1 victory over Detroit in the NHL playoffs last night. Messier's first goal came 52 seconds into the game, and Edmonton's early lead prevented the Red Wings from properly using the dump-and-chase style of conservative hockey they used to win the series opener.

Jari Kurri added a short-handed goal late in the first period. The best-of-seven series is now even at a game apiece. Game three is set for tomorrow night in Detroit. The other series, between Montréal Canadiens and Philadelphia Flyers, is also even at one game each, with the third game tonight in the Forum.

Walton will sit out at least two games

An incomplete hairline fracture of the right ankle will keep Boston Celtic reserve center Bill Walton sidelined for at least the next two playoff games against Milwaukee. Walton, who missed most of the regular season nursing a sore ankle, aggravated the injury in Wednesday night's win over the Bucks.

NASCAR announces slowdown

NASCAR has told drivers on its racing circuit to change to a smaller carburetor for two upcoming stock car races in an effort to cut speed. According to NASCAR official Les Richter, the rule change came about because of Bobby Allison's spectacular accident during last weekend's Winston 500 in Talladega, AL.

The change mandates the use of the smaller carburetor for the July 4th Firecracker 400 in Daytona and the July 26th Talladega 500 in Alabama. Laps above 200 miles per hour have become commonplace on those two tracks.

Allison had been posting laps of more than 205 miles per hour last Sunday when he apparently ran over some debris at Alabama International Motor Speedway. He then cut a tire and flew off the track, tearing down more than 100 feet of fencing in front of race fans.

A smaller carburetor restricts the flow of fuel to the engine, thus cutting speed. The change could wind up in all stock car races next season.

Maine Mariners may move

Efforts to keep an American Hockey League team in Portland, ME improved today. Investors announced a five-year affiliation agreement with the Boston Bruins. But Ed Anderson — president of Maine hockey partners — says the agreement depends on their getting a lease with an arena acceptable to the Bruins and AHL officials. Talks are scheduled next week with the Cumberland County Civic Center. Anderson's group was formed after the New Jersey Devils announced it would move the Maine Mariners to Utica, NY. Anderson announced last week that his group had reached an agreement to purchase a suspended AHL franchise from the Winnipeg Jets, but was still seeking a National Hockey League affiliation.

Nation

Hart to leave presidential race

Rodger McDaniel, Gary Hart's Wyoming campaign manager, confirmed yesterday that Hart supporters are being telephoned with word that Hart is pulling out of the presidential sweepstakes. "That's the word. It's pretty shocking," McDaniel said.

Hart is expected to make an announcement from his home in Kittridge today. The former Colorado Senator put his campaign on hold yesterday, saying he needed to spend time with his family. His campaign has been under a cloud since *The Miami Herald* reported that he spent much of last weekend with Miami model Donna Rice.

According to *The Washington Post*, Hart's decision came after the paper told a top Hart campaign aide that it had documented evidence of a long-term relationship between Hart and an unidentified Washington woman.

Casey dies at age 74

Former CIA director William Casey died early Wednesday at a Long Island hospital at age 74, five months after undergoing surgery for a cancerous brain tumor. Casey was remembered by President Reagan for "rebuilding America's intelligence capability." Senate Intelligence Committee member Patrick Leahy said Casey "probably knew more about the Iran-*contra* affair than anyone else."

Webster nomination faces roadblock

Senate Intelligence Committee member Ernest Hollings (D-SC) said yesterday that he will hold up the nomination of FBI director William Webster to head the CIA. Hollings wants an assurance from Webster that the Justice Department will fully investigate security problems at the US Embassy in Moscow. Hollings accuses the FBI of not being vigorous in its probe of the Marine Guard-espionage scandal.

Secord says Casey helped him supply *contras*

Maj. Gen. Richard V. Secord, the first witness to testify at the Congressional hearings on the Iran-*contra* affair, said on Tuesday that former CIA Director William J. Casey helped supply weapons to the Nicaraguan rebels. At the time, such support for the *contras* had been prohibited by Congress. Secord also testified that only \$3.5 million of the \$12 million in arms profits actually went to the *contras*. Most of the profits were pocketed by Secord's business partner, Albert Hakim.

On Wednesday Secord said he wasn't sure whether or not Oliver North was joking when he claimed mentioning the Iran-*contra* connection to President Reagan. Secord said he was told that the President appreciated his role in arms shipments to Iran. The White House claimed that Reagan did not know of the *contra* connection, calling Secord's testimony "hearsay." (*The New York Times* and AP)

Miller admits aiding Nicaraguan rebels

Lawrence Walsh's independent probe of the Iran-*contra* affair has brought about a second guilty plea in federal court Wednesday. Public relations executive Richard Miller admitted he conspired with conservative fundraiser Carl Channell to defraud the government while raising money to arm Nicaraguan rebels. Both men said that deposed White House aide Oliver North worked with them.

House delays decision on SDI

The House has put off a decision on how much to spend for President Reagan's Strategic Defense Initiative program. Majority leader Tom Foley (D-WA) says the "Star Wars" debate is likely to take several hours, so it's being delayed until next week.

Key witness in Goetz trial refuses to testify, is held in contempt

James Ramseur, one of the four youths shot by Bernhard H. Goetz in a New York subway in 1984, refused on Wednesday to testify and was held in contempt of court. Ramseur had testified for the grand jury that indicted Goetz for attempted murder.

Ramseur's refusal to testify is likely to damage Goetz's defense because Goetz's attorneys have long believed that their cross-examination of Ramseur — who has the most violent criminal record of the four victims — would be important in convincing the jury that Goetz faced a real threat.

Senate gives initial approval to \$1,000,000,000 federal budget

The Senate has given its initial approval to a \$1 trillion federal budget for next year. The package would boost military spending by several billion dollars, but only if President Reagan agrees to higher taxes.

McKinney dies of AIDS

A statement from Rep. Stewart McKinney's office (R-CT) yesterday says the Congressman has died from a bacterial infection brought on by AIDS. The statement says that McKinney contracted AIDS from the many blood transfusions he received while undergoing a multiple-heart-bypass operation in 1979, according to his personal physician, Dr. Cesar Caceres. McKinney was 56.

Government predicts 179,000 AIDS deaths by 1991

The Center for Disease Control in Atlanta has been keeping track of the AIDS disease — and says the death toll from the virus has topped more than 20,000 since 1981, which is 58 percent of the approximately 35,000 diagnosed cases. While the majority of the victims have been homosexual or bisexual males, 494 of the victims have been children. Government scientists predict the virus will claim 179,000 lives by 1991.

Shuttle widow sues for \$1.5 billion

The widow of *Challenger* pilot Michael Smith has filed a \$1.5 billion lawsuit against the US government, space contractor Morton Thiokol, and a former NASA official. Jane Smith says the space shuttle crew was recklessly put in danger in order to protect a multi-billion-dollar rocket contract.

Former TV evangelist loses ministry

Former TV evangelist Jim Bakker is no longer a minister in the Assemblies of God Church — he's been defrocked. Leaders of the Pentecostal denomination stripped Bakker of his role Wednesday. They cited the former PTL club leader's acknowledged sexual tryst with a church secretary and allegations of "bisexual activity."

Local

Six found guilty in police exam-scam trial

A federal jury has found five former and current police officers and a former legislative aide guilty in the so-called exam-scam trial. They were accused of taking part in a scheme to steal, sell, and buy police promotional exams. A Medford police officer was acquitted.

All six of those convicted were found guilty of conspiracy. Former Medford police Lieutenant Thomas Doherty also was convicted on a racketeering count. Former MDC Police Superintendent Nelson Barner was convicted of perjury.

Doherty is serving an 18-to-20-year sentence for the bank break-in and the shooting of former metropolitan police sergeant Joseph Bangs.

He testified against all seven defendants, including his brother, former metropolitan police Lieutenant Robert Clemente Sr.

During 18 days of testimony, Clemente described how he systematically broke into state offices, stealing advance copies of exams from a vault and selling them for \$3000 dollars each. Prosecutors alleged that the scheme was developed, in part, to place allies in high-level posts in police departments throughout eastern Massachusetts to protect the illegal activities of Clemente and other crooked cops.

Defense attorneys say they will appeal the guilty verdicts.

Weather

Here comes the sun again

The sun returns! For the second day in a row we can expect sunshine in the Boston area. And except for the passage of a weak frontal disturbance, we can generally expect sunshine for the next 2-3 days. Although the front will technically be a "cold" front, the northwest winds found in the wake of its passage will result in warmer weather than we have been experiencing with an onshore flow.

Today: We can expect mostly sunny skies with a high 60-65° (16-19°C). Along the shore there is a chance for an afternoon seabreeze.

Tonight: There will be a few clouds around and lows will be 45-50° (7-10°C). Winds will be south-westerly at 5-10 mph (8-16 kph).

Saturday: A sunny start, then increasing cloudiness. Highs near 65° (18°C).

Sunday: Mostly sunny with highs near 60° (15°C).
Forecast by Robert X. Black

Compiled by Robert Adams
Jai Young Kim
Mark Kantowitz

opinion

Column/Katie Schwarz

HASS-D proposal short on definition

Education reform can only founder as long as its pilots continue to drift into preoccupation with the superficial. It doesn't have to be that way.

We have heard so much about titles of categories, and so little about what actually goes on between teacher and student in the classroom. Giving categories impressive names does not magically make education broader. Some professors are pushing for renaming Mind, Thought, and Value to Mind, Thought, and Language, as if that would solve everything.

Where is the philosophy behind the proposal's five-way division? How did the committee choose it, through what debates? I can't find the answers in the 79 pages of the Maier Committee Report, nor did I hear them from Richard L. Cartwright, head of the linguistics and philosophy department, at the April faculty meeting.

The Maier report does explain the categories' objectives well. But in the end, no category can mean anything more than what real classes, taken by real students, mean. The report is too timid in speculating what real classes might qualify as HASS-D's.

To be fair, Dean of Humanities and Social Sciences Ann F. Friedlaender PhD '64 and her committees do envision exciting courses with novel interdisciplinary perspectives, not banal surveys. An isolated gem in the Maier report is the suggestion for an anthropology/political science/economics course on the society of mod-

ern Japan. Great idea, but — this is the key — it shouldn't be at the expense of the humanities department we already have, which is far from deadwood.

What is "breadth," anyway?

"Breadth" is cited incessantly, but I haven't heard anybody define it. Covering a lot of subject matter in a course is not necessarily the same as preparing students to deal with a broad range of questions. In one professor's hands a Western History course may be hidebound, in another's an eye-opener.

To me, a "broadening" experience is one that enables you to recognize, and question, your beliefs and assumptions — to perceive the way social conventions govern individual thought. This kind of breadth can well come from deep, rigorous study of a particular issue.

Maier promised students who attended the open CUP meeting that HASS-D's won't be "just general survey courses," but we have seen little indication of what they will be instead.

And there is a shortage of honest answers about what will happen to classes outside the chosen circle of HASS-D if the circle shrinks to 50. Will catalog listings become a sham as each term electives are cancelled for lack of enrollment, their students usurped by the HASS-D's?

"We have reduced the number of categories, but not thereby the amount of subject matter," said Cartwright at the April faculty meeting. This is false in practice, if not in theory. As one professor

(Please turn to page 7)



feedback

ARA management is flawed

To the Editor:

As a resident of 500 Memorial Drive, I have been required by MIT to buy various meal plans totalling over \$3600. I did not mind being forced to eat my meals in the dining halls my first two years here, because the food and service were good. However, this past year I have resented the fact that I am forced to do this.

The food quality and service for Vali-dine carriers has dropped considerably.

It seems that ARA has decided that it no longer has to please students, because it already has our money! What's worse is that the MIT Department of Housing and Food Service permits this to take place. On top of that, the minimum meal plan has just been

raised and made uniform across the classes.

ARA shows a distinct lack of management, organization, and integrity. There are a number of examples pointing to this.

- Inconsistent prices for the same item in different dining halls.

- Untrained employees and managers, who spend more time doing jobs they should be delegating while the dining hall falls apart.

- Poor flow of traffic because there are either not enough people working, or the people working are clueless.

- Inconvenient hours of operation in the dormitory dining halls.

- Advertisements for food which is not served, with rare price displays.

- The Bagel Wagon. Need I say more? That thing doesn't make any money — it doesn't even take Vali-dine as ARA said it would when the idea first came up.

- Wasting money we have been forced to pay. Remember the ice sculpture of a beaver in Lobdell? And the band which was playing? How about the \$500

(Please turn to page 7)

Matthew A. Machlis '89

MacGregor waterfights are preschool antics

To the Editor:

I think it's about time someone brought up the subject of the vandalism that occurs at MacGregor House. From what I have seen, the incident last week involving the water fight and broken window were far from uncommon. Rather, things of this sort happen there weekly. There is a pile of furniture on the ground at the bottom of the tower — mostly lamps owned by the dorm — which has been thrown out of people's windows. Both personal and dorm-owned property is destroyed every weekend because of inter-entry antipathy.

MIT is not a preschool, and

dorms here are not playpens where children living in them can go around breaking things as they please. Being in college means showing at least some hint of maturity. Many highly-competitive universities do not offer four years of on-campus housing to their undergraduates, which we are fortunate to have. Also, I have heard of cases of people at other colleges being thrown out of their dormitory systems for far less than what happens at MacGregor nearly every weekend. It is time for MIT and the Housing and Food Service office to stop looking the other way and start revoking people's housing privileges.

"Body Talk" screening is detrimental

To the Editor:

It is with regret that we write this letter, but as members of the MIT Christian community our responsibility to our Creator and to our fellow students compels us to speak out. We are disappointed by LSC's decision to show "Body Talk" on May 15. We are not advocating censorship of the film, nor are we attacking LSC. However, we do feel that showing a movie such as "Body Talk" is detrimental to the MIT Community. As Christians, we care too much about our God and about those around us to remain silent.

Please do not misunderstand us. We are not opposed to sex. On the contrary, we believe that God gave us sex as a gift, and that He made it beautiful and enjoyable.

At the same time, the Bible clearly teaches that the only appropriate setting for sex is in marriage. Sex represents the most intimate sharing between a man and a woman and should be reserved for marriage. Films like "Body Talk" oppose the Biblical teachings on sex, and portray sex as something that has no more consequences than shaking hands. In general, such films do not depict the love and intimacy that sex is meant to express.

In addition, pornographic movies are harmful to society. The pornography industry is one

that captures and enslaves not only men and women, but children as well, stripping them all of the dignity with which God created them. Studies have shown that violent and sexual entertainment stimulates impulses which can lead to violent and sexual behavior. The implications for rape are clear. Also, pornography's depiction of sex as a frivolous and safe activity is clearly false in light of this nation's problems with AIDS and other sexually transmitted diseases.

We appreciate the service which LSC provides to the MIT community; however, we believe that films like "Body Talk" represent an offense against God, and that the consequences of such films for society are destructive.

Repeat forum in the fall

(Editor's note: The Tech received a copy of this letter, addressed to Dean for Undergraduate Education Margaret L.A. MacVicar '65, in reference to Tuesday's forum on MIT's educational agenda. See related story on page 1.)

Dear Professor MacVicar:

Although the idea for the forum on the big picture, "the MIT Agenda," which was held on May 5, 1987 was good, there were problems with its implemen-

tion. The low student attendance at the event is not a reflection of lack of interest on the part of the student, but instead a result of poor timing and lack of advertising.

The Student Committee on Educational Policy would be glad to see a similar event scheduled for next fall. If this were to occur, we would be willing to help make such an event a success.

Jonathan N. Katz '90
Chairman, SCEP

The Tech

Volume 107, Number 24

Friday, May 8, 1987

Publisher..... Michael J. Garrison '88
Editor in Chief..... Earl C. Yen '88
Business Manager..... Mark Kantrowitz '89
Managing Editor..... Ben Z. Stanger '88
Production Manager..... Ezra Peisach '89

News Editors..... Mathews M. Cherian '88
Andrew L. Fish '89
Akbar A. Merchant '89
Night Editor..... Halvard K. Birkeland '89
Opinion Editor..... Sharalee M. Field '89
Arts Editor..... Peter E. Dunn G
Photography Editors..... David M. Watson '88
Kyle G. Peltonen '89
Contributing Editors..... V. Michael Bove G
Julian West G
Simson L. Garfinkel '87
Senior Editors..... Carl A. LaCombe '86
Stephen P. Berczuk '87
Andrew S. Gerber '87

NEWS STAFF

Associate News Editors: Robert Adams '90, Niraj Desai '90, Michael Gojer '90, Jai Young Kim '90; **Senior Writers:** Katherine T. Schwarz '86, Harold A. Stern '87, Salman Akhter '89, Anuradha Vedantham '89; **Staff:** Joel H. Friedman '88, Derek T. Chiou '89, Mary Condello '89, Jeffrey C. Gealow '89, Marcia Smith '89, Darrel Tarasewicz '89, Sally Vanerian '89, Anh Thu Vo '89, Ahmed Biyabani '90, Eric L. Chang '90, Christopher P. Colby '90, Desmond Davis '90, Sarita Gandhi '90, Vance S. Hampleman '90, Irene Kuo '90, Priyamvada Natarajan '90, Kenyon D. Potter '90, Robert E. Potter II '90, Paula Maute. **Meteorologists:** Robert X. Black G, Christopher A. Davis G, Michael C. Morgan '88.

FEATURES STAFF

Kevin J. Burns '79, Jim Bredt '82, Chiu Jeng '87.

PRODUCTION STAFF FOR THIS ISSUE

Night Editors:..... Julian West G
Ronald E. Becker '87
Staff: Peter E. Dunn G, Harold A. Stern '87, Michael J. Garrison '88, Andrew L. Fish '89, Mark Kantrowitz '89, David M. Watson '89, Marie E. V. Coppola '90, Mark D. Virtue '90.

The Tech (ISSN 0148-9607) is published Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer for \$14.00 per year Third Class by The Tech, 84 Massachusetts Ave., Room W20-483, Cambridge, MA 02139-0901. Third Class postage paid at Boston, MA. Non-Profit Org. Permit No. 59720. **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. Advertising, subscription, and typesetting rates available. Entire contents © 1987 The Tech. The Tech is a member of the Associated Press. Printed by Charles River Publishing, Inc.

opinion

feedback

North Vietnamese continue brutal ways; media distorted the South

To the Editor:

I am disturbed by Erik Mar '88s letter ["Display unfairly portrays the North Vietnamese," May 1].

Mar said that "Re-education camps in postwar Vietnam contained thousands of drug-addicts, prostitutes, collaborators and other human debris created and deserted by the US occupation." The truth of the matter is that there are an estimated 300,000 people still being held in these so-called "re-education camps" scattered throughout Vietnam.

These people are mostly expatriates, educators, soldiers and military officers of the old South Vietnamese regime — in short, those considered as "ideologically dangerous" to the communists' effort to impose a new political system in the south.

With the exception of a few "model camps" which we might have read about, these are in fact concentration camps where people are tortured, starved and forced to do hard labor. Many have suffered slow deaths and many have tried to escape. It is unfortunate that most of these stories are not well publicized in the States, even though the boat people who made it to the free world had tried to bring them to the world's attention.

Despite the often seen portrayal of the Vietnamese communists as heroes who liberated Vietnam from foreign domination, some attention to historical facts can prove otherwise.

I don't believe that anybody would give up what little right they possess in a democracy for a life with no freedom in a communist society. That is why many North Vietnamese migrated to the South in the mass exodus of 1954, that is why my parents and I fled to the United States in 1975, and that is why people still escape by boats from the country, risking the turmoil of high seas and the danger of piracy just for freedom.

If the Vietnamese communists were truly nationalists as they claimed, how do we explain their

invasion and occupation of Cambodia after the Vietnam War was over? How do we explain the ubiquitous presence of Soviet militiamen and personnel in Vietnam today, and the expedition of some 50,000 Vietnamese to Siberia to work on the Siberia pipeline development project?

Mar wrote that "In France, conservative estimates state that, at a minimum, 30,000-40,000 collaborators with Nazi rules were executed after the Liberation." Yet the size and the scope of the re-education camps in Vietnam suggest something fundamentally different than the Allies' actions. It is more than retribution by the victor; it is nothing less than the enslavement of an entire society.

In contrast to Mar's view that the North Vietnamese have been viewed unfairly, I would like to suggest that it was the South Vietnamese and US soldiers who were unfairly treated by the media. We all heard of the well-publicized My-Lai massacre and the crimes US soldiers committed in Vietnam.

Communism, not revolution, caused suffering in Vietnam

To the Editor:

Being a Vietnamese student at the Institute, I felt the urge to present a few facts that were misunderstood and misrepresented in Erik Mar's letter to the editor ["Display unfairly portrays the North Vietnamese," May 1]. The author's identification of the North Vietnamese as victors in the war unfortunately represents a misunderstanding of the nature of the war and the Vietnamese people.

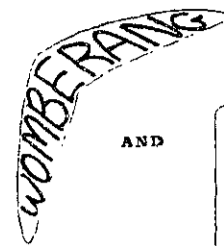
It is a fundamental misconception to equate the North Vietnamese people with the communist Government. The Vietnamese, north or south, are people of the same race and ancestors. Never had the Vietnamese thought of the war as being the North Vietnamese against the South Vietnamese but rather, of the communist aggressors against the free Vietnamese in the South.

It was the Vietnamese commu-

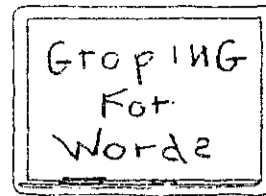
Because I believe that no crimes should be condoned, I would like to bring to public attention the large-scale massacre in Hue during the Tet Offensive. When the Vietnamese communist soldiers attacked and occupied the historic capitol of Hue — which in 1968 was no longer of any significant strategic importance — thousands of innocent people were killed and thousands were buried alive. I still recall witnessing the countless bodies exhumed from mass graves and the sufferings of their families after the communist force was driven out.

Yet when I came to this country, I was surprised to find that the American media gave no significant coverage of this event. Maybe the crimes committed by American soldiers were the only thing of interest to the media, and the American public perceived the deaths of thousands of innocent civilians merely as some vague and abstract notion.

Tam-Anh Chu G



AND



THE DRAMASHOP

PRESENTS THE AMERICAN PREMIERE OF

KRESGE LITTLE THEATRE

TICKETS \$5
(\$4 student senior)

INFORMATION 253 2877
RESERVATIONS 253 4720

by Sue Townsend
directed by Graham Watkins

April 30, May 1 & 2
May 7, 8 & 9 at 8pm

May 3 at 2pm

SECRETARY JILL/JACK-OF-ALL-TRADES

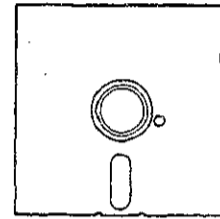
The Cambridge office of a prestigious international consulting firm seeks an independent, responsible, highly motivated Jill- or Jack-Of-All-Trades to join our small group of systems consultants.

Your responsibilities will vary from day-to-day, but will include typing, dictaphone transcription, answering the telephone, ordering supplies and light accounting. The ability to handle sensitive client material with discretion is essential. You must be able to thrive in an unusual environment, where many things are usually happening simultaneously.

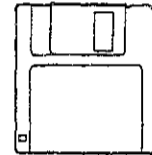
If you enjoy variety and the opportunity to learn new things and meet different types of people, and seek a job where you will really make a difference, please send your resume to:

Karen Steigewalt
McKinsey & Company, Inc.
Four Cambridge Center
Cambridge, MA 02142

CAN'T MAKE THE CONVERSION?



5.25 in. Floppy Disk
360K and 1.2 MB



3.5 in. Diskette
720 K and 1.4 MB

Custom Personal Computer has the solution
to your media compatibility problems.

Almost everyone agrees that the new 3.5 in. diskette format is vastly superior to the old 5.25 in. floppy format. With the introduction of the new IBM Model 30/50/60/80 and the proliferation of PC laptops, the 3.5 in. diskette will soon become the new industry standard. But there's a problem — how will you convert your installed base of 5.25 in. floppies to the new 3.5 in. standard?

Custom Personal Computer has the solution. We offer complete conversion kits — high quality 3.5 in. disk drive, firmware upgrade, software upgrade, and detailed step-by-step documentation. Some firms offer upgrade kits that appear to work, but fail to execute basic operations like disk formatting. Unlike them, we back our product up with the technical knowledge to make your upgraded system work right the first time.

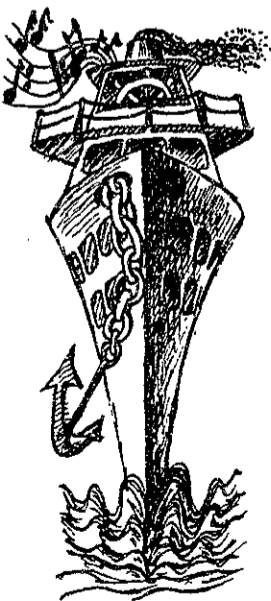
Custom Personal Computer offers these high quality upgrades starting at \$295. We also sell complete AT and XT compatible systems with any combination of hard drives, 3.5 in. drives, and 5.25 in. drives that you may require. Call or write for our free sales brochure and price list.

Custom Personal Computer
P.O. Box 240
Cambridge, MA 02141

(617) 577-9676

Celebrate!
Celebrate!

DANCE TO THE MUSIC!



Are You a Graduating Grad Student?

If yes, Look for Your Invitation to the

**BOSTON HARBOR
GRADUATION CRUISE
SATURDAY, MAY 30, 1987
8:00-11:00 P.M.**

Aboard the M/V Commonwealth
Long Wharf, Boston

Free Tickets for Two (Grad & Guest)

Must be 21 to Board the Boat.

Call Nancy Hack (253-8203) for more
information... especially if you don't
receive your invitation soon!

Compliments of MIT Alumni Association's
Graduate Alumni Programs

Rock 'n Roll to Music Provided by Disk Jockey
...and Slow Dance in the Glittering Boston Skyline!

ARE WE CRAZY?

**INCREDIBLE.
A HOTEL ROOM IN NYC FOR ONLY \$55 A NIGHT.**

It's absolutely true. Clean, comfortable rooms close to all major attractions starting at just \$55 a night. At The New Times Square Hotel located in the midst of New York's theater district. Our price is not based on double occupancy, so you don't pay double the advertised price. All rooms are newly remodeled and include cable color TV. And we'll even throw in continental breakfast and free parking. So how do we do it? Call us toll-free at 1-800-242-4343 for all the details.

255 West 43rd Street
New York, N.Y. 10036
(212) 354-7900

Toll-free, 1-800-242-4343
Weekly Rates Available
Special Rates for Students



WOMEN'S SHOES

WE'VE GOT IT!

Run in for Reeboks and save! Take \$5 off any pair of women's Reeboks in stock



A. Reebok Freestyle hi-top with leather upper. In white/rose and white/turquoise. Reg. \$52

B. Reebok Freestyle aerobic shoe with leather upper. In white, pink, yellow, black. Reg. \$45



C. Reebok Cyclone fitness shoe in canvas and suede. In white. Reg. \$36

D. Reebok Princess fitness shoe with leather upper. In white/white and white/pink. Reg. \$40

Alpha aerobic sneakers (not shown). Reg. \$36 - \$40

SALE \$24.99 & \$29.99

Receive free gym bag with your Reebok purchase!



INTRODUCING
MIT COOP AT KENDALL SQUARE

the COOP

NOW OPEN!

MIT COOP AT KENDALL
3 Cambridge Center
M-Fri 9:15-7pm,
Sat 9:15-5:45pm

HARVARD SQUARE
Cambridge
M-Sat 9:20-5:45pm,
Thurs 'til 8:30

PARK FREE IN HARVARD SQ* 1 hr Church St lot or 2 hrs University Pl or Charles St garages.
*With \$5 minimum Coop purchase: validate sales receipt at Coop Cashier's desk.
Coop Charge, MasterCard, Visa and American Express welcome.



Register to win an '87 Subaru Justy GL, courtesy of Milla's Subaru of Arlington. Details in our Kendall Square store.

opinion

Breadth shouldn't stifle depth

(Continued from page 4)
pointed out later in the same meeting, her department was forced to choose between HUM-D status for Spanish Culture and Latin American Culture. Another course that lost HUM-D status in "preparatory" cuts was The Renaissance and Reformation. If the Renaissance and Reformation aren't broadly humanistic, what is?

Cartwright also defended the distinction between core HASS-D's and electives: "Spinoza is not appropriate to break students into philosophy." But some of us don't need to be broken into anything. Some enter with great sophistication, and abhor baby courses. Again and again students echo the fear that new HASS-D's will be even more slack and superficial than some present HUM-D's.

Finally, it is impossible to suppress the disturbing sense that the

charge toward HASS-D is led by the most technical sectors of the School of Humanities and Social Sciences, by an econometrician and an analytic philosopher.

Image and reality

Moving toward a "core" is one way to make people feel there is some obligation to learn something in the humanities and social sciences, that they're not just there for relaxation. On the other hand, a requirement of introductory courses could send the message that students are not expected to go beyond the basics, since they're just engineers.

Are students against this just because it would get in the way of filling the requirement with soft, entertaining classes? The forums indicate no: the students who showed up were the ones who want to take demanding, serious humanities classes.

How can the "reformers" be so

'alienated from the most interested students? It's not just disappointing, it's frightening.

Any humanities "reform" that makes the ones who care feel ignored and betrayed can't be more than hollow. On the eve of a \$600 million fund drive, MIT is assiduously polishing its image with impressive-sounding statements, resolutions and votes — but will education fall by the wayside?

Well, then, what do we want?

"Common experience." That's another phrase tossed around too casually. People take small, specialized HASS courses in search of common experience with others equally dedicated. Now comes the proposal that wants to inflict an "experience" that might turn out to be a large, boring survey course that no one cares about.

Meaningful experience comes when you join an intellectual community, as a participating member. MIT undergraduates discover comets, become active members of the Artificial Intelligence Lab, help build human-powered airplanes. They should have analogous opportunities in the humanities and social sciences.

"Engineers know that when they build a bridge, they don't do it alone," says Professor Gerald J. Sussman '68. Engineering and science are inherently communal and social. We depend on the public (as Dean for Undergraduate Education Margaret L. A. MacVicar '65 observes, MIT's close relationship with the government has fostered a service ethic), and we serve its needs — but we also set its agenda. MIT should make students feel they are not supposed to be somebody else's tools.

We come to MIT not to purchase a carton of knowledge with a good brand name, but to focus and bring out our natural curiosity and sense of playful experimentation with the help of an intellectual community.

Katie Schwarz '86, a physics major, is a senior news reporter for The Tech.



feedback

MIT should strengthen swim test requirements

To the Editor:

Recently, something very disturbing has come to my attention: MIT is not putting out good enough swimmers. Let me explain. The US surgeon general has recently released a report stating that, among other things, the youth of the United States is among the least fit in the world, and there are more drownings per capita in this country than in any other nation on the planet.

Especially here at a university which is the home of so many truly great minds, something should be done about this problem. We can't have the brilliant minds of tomorrow being senselessly and tragically wasted in boating and diving accidents which could be so easily avoided

merely by educating the student body in how to swim safely.

What I propose is a simple strengthening of the swim requirement, which, as it stands, can be so easily satisfied by barely competent swimmers. Anyone can keep afloat for ten minutes or dog paddle across the pool a few times. We need a REAL swim test. Students should have to swim ten laps in no more than eight minutes and then tread water for 20 minutes. This would provide means to really sort out the dead wood, and MIT could be proud to say that it produces not only the world's best scientists and engineers, but also accomplished swimmers.

Richard F. Hall '87

ARA has lessened the quality of services

(Continued from page 4)

of flowers every week in Lobdell? What's wrong with the silk flowers in Walker? And we can't forget the Saint Patrick's Day festival!

- The Chinese Food Night, when every dining hall served the same bad food and you couldn't get away from it.

- The "Texas Barbecue" on Brigg's Field this Thursday. ARA is planning to close all the dorm cafeterias so that students are forced to buy a ticket to this Ho-Down. Too bad Friday was the last day to buy tickets.

- On top of all this, the food is usually poor and often cold.

I must admit that I have had some decent meals served in the dining halls. And there are employees who are quick and on top of things. I thank them.

But what about next term? Lobdell and Twenty Chimneys will be closed due to construction. Does ARA think that Walker and Pritchett and a few extra Bagel Wagons can handle the overflow? If they do, they are sadly mistaken.

I've had enough of ARA. The organization has had almost a year to get its act together but it has only made things worse.

Timothy W. Hyland '88

LOOKING FOR AN INSTITUTE LAB?

Consider registering for 8.11, Physics Project Lab (Profs. Demos and Yamamoto). You'll have an opportunity to study the physics underlying a project of your own choice. Experimental and data analysis techniques will be taught as you need them; no prior experience is necessary. Past projects have ranged from optics to hydrodynamics to quantum phenomena. The scope is limited primarily by your imagination. For more information contact the Undergraduate Physics Office, 4-352, x3-4841.

M.I.T.

Free Dessert

at

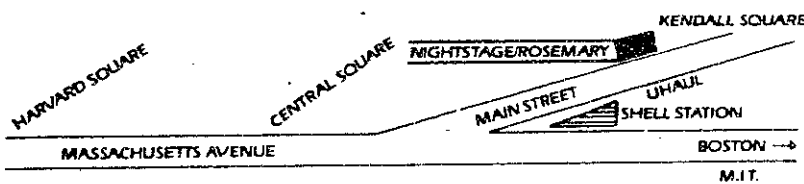
ROSEMARY

When you purchase a luncheon or dinner entree at Rosemary, show your M.I.T. I.D. and get a free dessert.

Please present I.D. before ordering your meal.



823 Main Street, Cambridge, MA 02139 497-7200



Valid at Lunch: Mon. - Thurs., 11:30am-3:00pm
Valid at Dinner: Tues. - Thurs., 5:00pm-11:00pm

Offer good through June 4, 1987

B.S. FOR A NEW CAR

Your new Bachelor of Science degree can put you in the driver's seat. If you're a 1987 college graduate and meet a few simple requirements, you can be driving an exciting new Pontiac. All you need is your college diploma, proof of employment, the ability to meet monthly payments and no derogatory credit references. You'll get a \$400 rebate on the purchase price or a 90-day deferral of your payments as a graduation present from us. Come into Columbia today for all the details and drive away in a new Fiero or Trans AM or Sunbird convertible. . . .

COLUMBIA

PONTIAC · TOYOTA · GMC TRUCKS

A TRADITION OF SATISFACTION

700 MORRISSEY BOULEVARD, DORCHESTER, MA 265-4321

Rhodes' book on the Bomb is compelling, awe-inspiring

The Making of the Atomic Bomb
 Written by Richard Rhodes.
 Published by Simon and Schuster.
 886 pages with index. \$22.95

By ARTHUR LEE

*Some say the world will end in fire,
 Some say in ice.
 From what I've tasted of desire
 I hold for those who favor fire.
 But if it had to perish twice,
 I think I know enough of hate
 To say that for destruction ice
 Is also great
 And would suffice*

ONE CANNOT HELP BUT THINK OF the simple and effective imagery evoked by these words when one reads "The Making of the Atomic Bomb" by Richard Rhodes. The poem, "Fire and Ice," was written by Robert Frost in the early 1920s. He was already ahead of his time.

The story of the atomic bomb is an old one and has been told many times. Often, it is told from first-hand, personal perspectives, and it is usually limited to the Manhattan Project. Rhodes has successfully woven together many, if not all, of these personal perspectives into a splendid tale. Furthermore, he has given the reader a full account of the ideas and attitudes in science and technology that led to the eventual making of the bomb.

The book succeeds on many levels. On the most basic of these — the level of a story — it works pure magic. The book has a structure that is at once grand and awe-inspiring and has details that are rich and compelling. Rhodes, a novelist by trade, has good writing sensibility. The narrative is wrought with personal and technical details that add to the suspense.

Witness our young Richard Feynman '39 who tinkered back to life the shortwave radio that informed the physicists about the countdown on that fateful day of the Trinity shot. Witness one young Philip Morrison, who wrote the following on

that day: "I placed the welding glass over the right lens of my sun glasses, the left lens of which was covered by an opaque cardboard shield. I counted seconds and at zero began to raise my head just over the protecting rise."

Rhodes then continues the narrative: "Time: 0529.45. The firing circuit closed; the X-unit discharged; the detonators at thirty-two detonation points simultaneously fired; they ignited the outer lens of Composition B; the detonation waves separately bulged, encountered inclusions of Barotol, slowed, curved, turned inside out, merged to a common inward-driving sphere. . ."

When the bomb exploded, Morrison wrote, "It was like opening a hot oven with the sun coming out like sunrise." There is also the famous quote from the Hindu scripture used by Robert Oppenheimer to describe his own feelings: "Now I am become Death, the destroyer of worlds."

The book also succeeds as a history of science in the first half of this century. The necessary detailed accounts of important discoveries are excellent. But the success of the book also lies in part on the richness of characterization of many of the major players in this drama. One can glean from Oppenheimer's private letters the interesting turmoil that was churning in his mind.

He wrote of his undergraduate days at Harvard as follows: "they were the most exciting times I've ever had in my life. I really had a chance to learn. I loved it. I almost came alive."

But there was also much pain, well hidden from even the closest of friends. He wrote, "I hardly took an action, hardly did anything or failed to do anything, whether it was a paper in physics, or a lecture, or how I read a book, how I talked to a friend, how I loved, that did not arouse in me a very great sense of revulsion and of wrong."

When asked about what he did at Harvard, Oppenheimer wrote, "I labor, and write innumerable theses, notes, poems,

stories, and junk; I go to the math lib and read and to the Phil lib and divide my time between Meinherr [Bertrand] Russell and the contemplation of a most beautiful and lovely lady who is writing a thesis on Spinoza . . ." Oppenheimer was a man, after all.

There are numerous such rich characterizations of personalities that are compiled not only from personal papers of the subjects but also from impressions given by others. One also learns of the hobbies enjoyed by these personalities: Hans Bethe's rock climbing and Enrico Fermi's stubborn insistence on using worms instead of flies for trout fishing. It is exactly these kind of enjoyable details that downsize the demigods to earthier proportions with all the human frailty, personality quirks, and twists of fate that bless other mortals.

Finally, the most affecting aspect of the book is the consistent theme of the capability to kill efficiently in war. Rhodes recounts the evolution of the instruments of death from the Great War: the first widespread use of the machine gun brought about a greater efficiency in killing; tanks

and biplanes had the same effect.

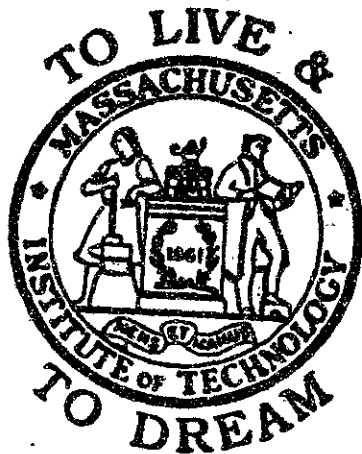
But they had relatively little effect on the ordinary citizens behind the lines. When military strategists woke up to the fact that a nation at war also means a whole people mobilized for war production, the rules changed. It was inevitable that nuclear weapons came into existence, for they are the most compact and efficient mechanisms of total death.

Rhodes offers no concrete solution to our nuclear dilemma. But he does offer these hopeful words from Oppenheimer, who wrote, "I think in time the transnational communities in our culture will begin to play a prominent part in the political structure of the world, and even affect the exercise of power by the states." The preeminent transnational community in today's culture is science. It would be up to the scientists, and not the politicians and military strategists, to shape a new order of peace.

The alternative would be unthinkable, for the efficiency-minded may yet choose the fire. Then the ice will surely come.

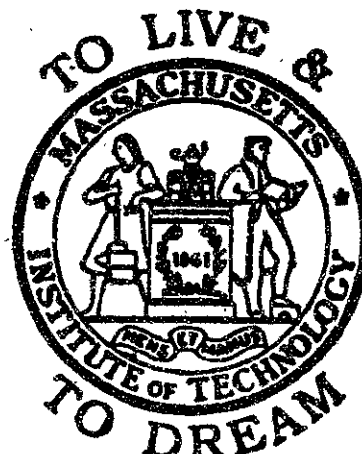


Gretchen O. Baier '87 and Anne C. La Flamme '88 rehearse the letter scene from "The Merry Wives of Windsor," a scene from *Shakespeare Plus!* The free Shakespeare Ensemble production will also include scenes from Sophocles and Anouilh, tonight and tomorrow in 34-101.



Congratulations

to this year's



Baker Teaching Award Winners

Brian H. Smith

and

Theo C. Theoharis

For more information about the E. M. Baker Foundation contact Alan Davidson at x3-2696.

ARTS

Wooster Group's "St. Anthony" provides no new insight**SAINT ANTHONY**

Performed by The Wooster Group.
At the MIT Experimental Media Facility.
Continues until May 10.

By BARBARA MASI

DADA. DADA. DADA. DADA. Dada theater was born in the twenties, thrived in the sixties, and lives on in The Wooster Group. However, Dada purists might say that the Group's new work "Saint Anthony," which premiered at the MIT Experimental Media Facility, is beyond Dada, perhaps beyond any school of pop-culture which might come to mind.

The Dadaists of the twenties created a school of theater which drew heavily on ideas from surrealist painting. Experimental theater exploded in the sixties pulling ideas from every avant-garde theater school from the twenties onward, but the effect was still only Dada.

The company's core members were originally The Performance Group, an experimental theater group from the sixties reforming in 1975 as the Wooster Group. Under director Elizabeth LeCompte, they have achieved national recognition. LeCompte's background as a painter and photographer motivates the strong visual bias of their works.

To create a performance, the company begins by improvising scenes based on objects or images presented to them by the director. Together they build — through dance movements, bits of stories, and music which evolve from the improvisation — to create a performance. Juxtaposed with the actors' movements are video monitors — usually presenting images from old movies and newsreels — to give the piece contemporary significance. The Group's work has been described as a mixed-media collage. Which explains their presence at MIT's Media Facility.

"Saint Anthony," which premiered last Tuesday, was inspired by Flaubert's poem "The Temptation of Saint Anthony," dramatizing in wild, intense images, the long night during which the Devil attempts to corrupt Saint Anthony. LeCompte combined the poem's themes of lust and death with a song by Lenny Bruce in which he uses the name, Frank Dell. Peter Sellars translated the poem for LeCompte and choreographed several dances for the work.

As The Group's first piece with 'a strong narrative spine,' the story concerns the trials and tribulations of a theater troupe led by Frank Dell (Ron Vawter). Traveling with him are his assistant disguised as a man, Onna (Kate Valk), and his dope-

dealing grandmother (Peyton Smith). Various other characters appear who are the hotel staff, and a dying actor which the troupe meets. But they are not obviously these characters since they first appear as near lifeless bodies strapped to the hotel room doors, their torn clothes falling from their bodies.

The work is set in four parts: The Monologue, The Household, The Show, and Post Mortem. The set of "Saint Anthony" is comprised of two levels of scaffolding with scenes playing themselves out on each level simultaneously. Three TV sets placed about the set show the film "Channel J," made for the performance. A technician garbed in Eastern dress, whom the actors call Dieter 'the silent tool,' weaves eerie sounds in among the words. Central on the upper platform is a bed with a dummy in it.

Part I is the most interesting and coherent of the entire performance. Frank Dell (or is he playing actor Ron Vawter?), microphone in hand, watches on two nearby monitors a video of himself in which he plays a talkshow host. But everyone in the film is nude and clearly lusting over one another's bodies instead of listening to the other person's talk. Since the sound on the monitor is turned off, Frank Dell lip-syncs

with his image on the screen to amusing effect. The connection between Part I and the sections which follow is not at all apparent.

The entire remainder of the performance is much like standing on a street corner in New York City and saying that everything you see before you creates a coherent piece. The set, in fact, was designed to symbolically separate life and death, corruption and (as far as I could tell) more corruption. Part II begins on the upper platform with members of Frank's troupe rehearsing for their magic show. The actors scream into their own microphones, not to one another, but in broken, incoherent complaints and pleas. Meanwhile, Frank Dell is still on the lower platform doing his monologue with his TV's. You cannot understand anything anyone is saying.

Then the back platform of the set begins to rise into the air, forming a wall with two doors which slam open revealing a man and a woman strapped to each door. Here are our Christ figures. The troupe members seem to refuse to go through the doors, with death being on the other side, but only look out and slam the door. Throughout Parts III and IV, the platform rises and falls, the doors slam open, and

the bodies are still there. Frankly, once is enough.

Every once in a while the plot emerges from the noise and chaos. The troupe is running from the authorities for being charlatans. Finally, they are forced to perform to prove themselves to the invisible authorities (God?). Meanwhile, Frank ends his monologue and pops his head through a hole in the bed. Now Frank looks as if he is in bed and he becomes the sunglassesed dying leader of the troupe.

How does "Saint Anthony" end? On the same chaotic, incoherent note that it begins. No evolution. No new insights into death or lust. It would seem that the only impact that Flaubert's poem had on the forming of The Wooster Group's "Saint Anthony" was in the shallowest interpretation of the crazed hallucinations depicted in the poem, while completely erasing the reason for the images — proving Saint Anthony's faith in God and in man's goodness.

LeCompte and The Wooster Group were supported in the creation of the work under partial sponsorship by MIT Council for the Arts, whose goal it was to assist in the creation of a mixed-media performance.



The Wooster Group performs "Saint Anthony" at the MIT Experimental Media Facility.

On The Town Updates**Ongoing****THEATER**

"An Ounce of Prevention" is presented at the Alley Theater, 1253 Cambridge Street, Inman Square, Cambridge. Continues Thurs-Sun at 8 pm until June 14. Tickets: \$10-\$12. Telephone: 491-8166.

* * * *

"Shear Madness," the long-running comic murder mystery, is presented at the Charles Playhouse, 74 Warrenton Street, Boston. Continues Tues-Fri at 8 pm, Sat at 6:30 and 9:30 pm, and Sun at 3:00 and 7:30 pm. Tickets: \$16 and \$19. Telephone: 426-5225.

EXHIBITS

"Nudes and New Mexican Landscapes," photographs by Karin Rosenthal, continues until May 15 at the Gallery at Henry IV, 96 Winthrop Street, Cambridge.

Friday, May 8**LECTURES**

Bob Christgau, music critic for the *Village Voice*, will give a talk at 3:15 pm in room 20C-117 as a presentation by the Integrated Studies Program. No admission charge.

* * * *

British painter David Hockney, whose photo-collages are on exhibit at the Clarence Kennedy Gallery, will talk about his work at 8 pm in New England Life Hall, 225 Clarendon Street, Boston. Tickets: \$7. Telephone: 353-0700.

Sunday, May 10**CLASSICAL MUSIC**

The five-member Burgett Ensemble performs works by Stravinsky, Messiaen, Poulenc, and the premiere of Burgett's Chamber Concerto, at 4 pm in the First and Second Church, 66 Marlborough Street, Boston. Tickets: \$5 general, \$3 seniors/students. Telephone: 268-6472.

* * * *

The Opera Company of Boston presents Donizetti's "Don Pasquale" at 3 pm in the Opera House, 539 Washington Street, Boston. Also presented May 17. Tickets: \$12-\$50. Telephone: 426-5300.

DANCE

Tslila and Dancers perform new and repertory works by Tslila Goldstein and Arie Bursztyn at 8 pm at the Cambridge Multicultural Arts Center, 41 Second Street, East Cambridge. Also presented May 9. Tickets: \$8 general, \$6 seniors/students. Telephone: 577-1400.

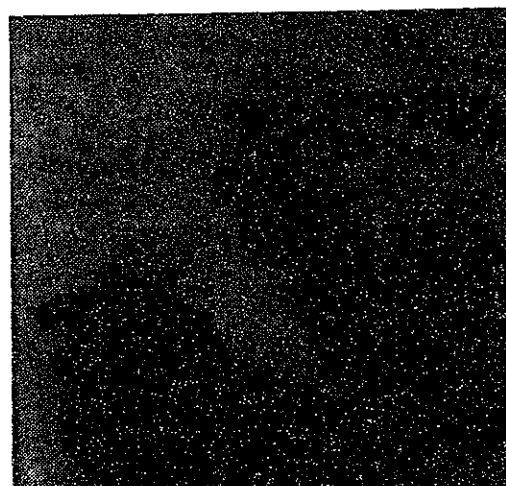
Monday, May 11**FILM & VIDEO**

"Petey and Johnny" (1961, Richard Leacock, Bill Ray, and others), about an ex-hood, ex-junky, and ex-con who attempts to cool the fratricidal warfare among the neighborhood youth gangs, is presented today (and not Tuesday, May 12 as listed previously in "On The Town") at 7 pm in Bartos Theatre, MIT Weisner Building (E15), 20 Ames Street. No admission charge.

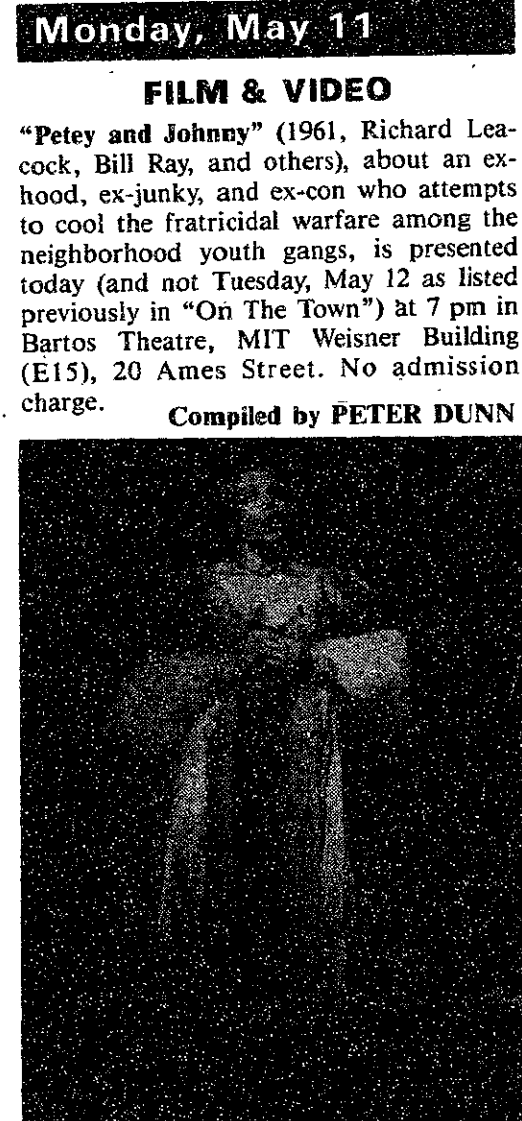
Compiled by PETER DUNN



"Tales of Hans Christian Andersen," Boston Ballet at the Wang til May 17.



"Nudes & New Mexican Landscapes," the Gallery at Henry IV thru May 15.



"Don Pasquale," presented by the Opera Company of Boston, May 10.

ELECTRONICS

Brand Name Savings for Work & Play

WE'VE GOT IT!

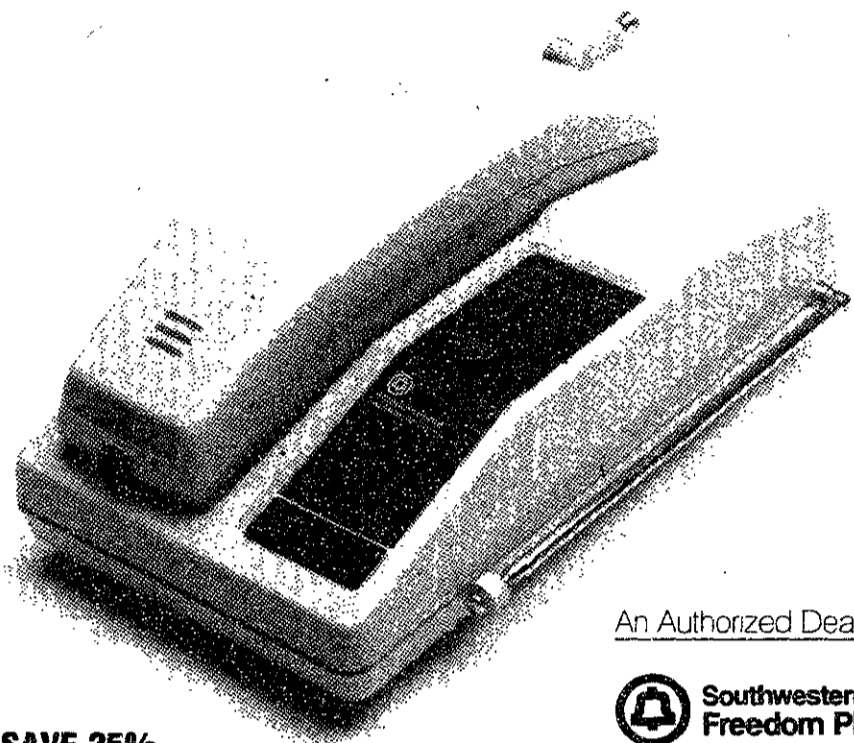


Nikon
We take the world's
greatest pictures®

SAVE \$30

New! Nikon's One Touch camera features an array of automatic features for super snapshots and composed photos. Reg. \$189.99.

SALE \$159.99



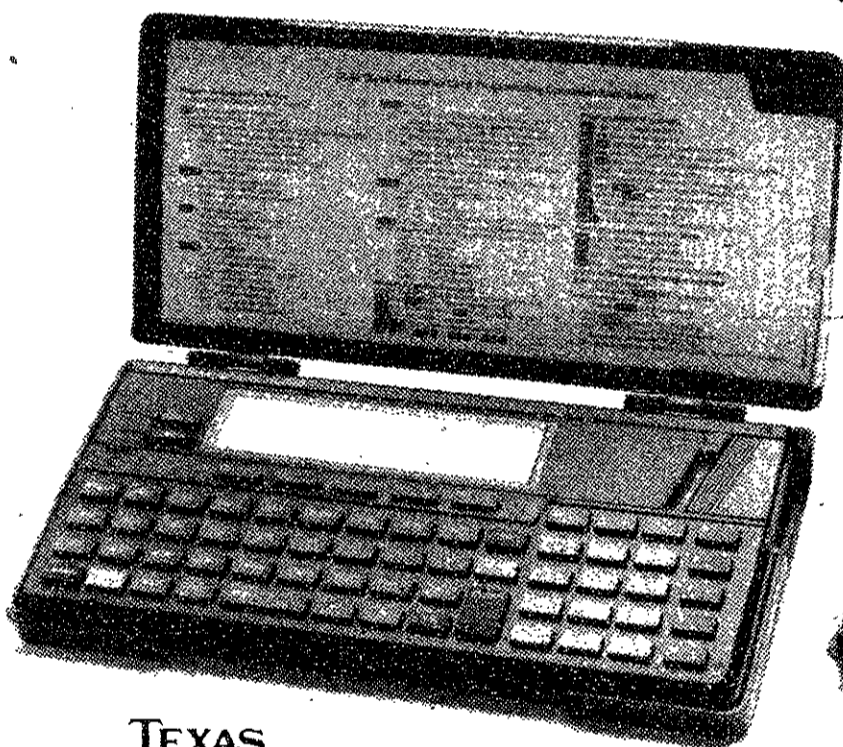
An Authorized Dealer of



SAVE 25%

Enjoy your leisure without racing for the phone. Southwestern Bell's cordless "Freedom" phone has 1000 ft. range. Security coded. Reg. \$119.99.

SALE \$89.99



TEXAS INSTRUMENTS

SAVE \$50

The advanced keystroke-programmable scientific calculator from Texas Instruments, the TI 95 Procalc(TM). Packs more than 200 functions into a menu oriented, easy-to-use package. Comp value \$219.

SALE \$169.99



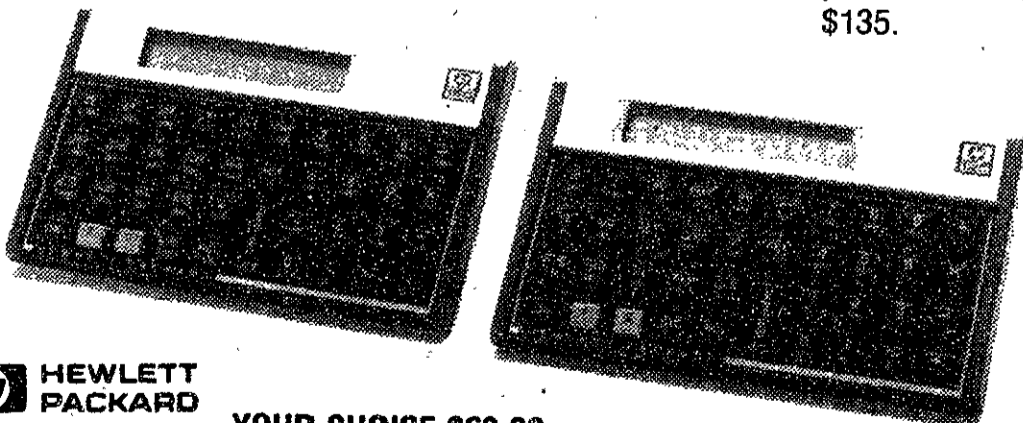
SAVE \$35

Texas Instruments TI 74 programmable calculator. Dual modes deliver a 70-function scientific calculator and a 113-keyword BASIC-language system. Constant memory internal RAM retains 8K bytes even with power off. Peripheral port lets you hook up printer and cassette interface. Comp value \$135.

SALE \$99.99

SAVE 20%
Eveready Energizer
batteries, entire
stock savings!
Reg. \$2.09 to
\$3.49.

SALE \$1.67 - \$2.79



hp HEWLETT PACKARD

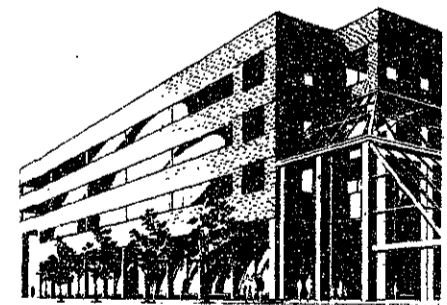
YOUR CHOICE \$69.99

Hewlett Packard 12C professional business/financial calculator, programmable functions in a compact size. Hewlett Packard 15C scientific programmable calculator, ideal for students and engineers. Reg. \$94.99 ea.

SAVE 20%

Sony transportable stereo with AM/FM stereo radio and cassette player. Choose red, platinum or black. Reg. \$99.99.

SALE \$79.99



**INTRO
DUCING**
MIT COOP AT KENDALL SQUARE

NOW OPEN



Register to win an '87 Subaru Justy GL, courtesy of Milla's Subaru of Arlington. Details in our Kendall Square Store.

HARVARD SQUARE Cambridge M-Sat 9:20-5:45 pm, Thurs 'til 8:30
MIT COOP AT KENDALL 3 Cambridge Center M-Fri 9:15-7pm, Sat 9:15-5:45pm
DOWNTOWN COOP 1 Federal St. M-Fri 9:15-5:30 pm
COOP AT LONGWOOD 333 Longwood Ave M-Fri 9:15-7pm, Thurs 'til 8:30, Sat 9:15-5:45pm
PARK FREE IN HARVARD SQ* 1 hr Church St lot or 2 hrs University Pl or Charles Sq garages.
PARK FOR \$1 AT LONGWOOD* Behind Coop after 5pm and all day Sat.
*With \$5 minimum Coop purchase: validate sales receipt at Coop Cashier's desk.

Coop Charge,
MasterCard, Visa and
American Express
welcome.

**the
Coop**

ARTS

MOVIES

★★ **Angel Heart** — Aian Parker's occult thriller, with Mickey Rourke as the gumshoe hired by a sinister looking Robert De Niro to find a missing Big Band crooner, is high on symbolism, visuals, and sex, but ends up as a hollow, artsified "Friday the 13th." Lisa Bonet also stars in a role that will make you look at "The Cosby Show" in a completely different light. At Copley Place.

★★ **The Assault** — Winner of the 1986 Academy Award for Best Foreign Language Film, this movie never fully develops the suspense of its mystery — how the assault on a Nazi collaborator and the ensuing ramifications forever affect the life of an innocent 12-year-old — and the film ultimately falls flat. At Copley Place.

★★★ **Betty Blue** — Jean-Jacques Beineix, of "Diva" fame, directs this French film that chronicles a searing tale of obsessive love and tormented anguish. The film stylistically follows the moods of Betty (Béatrice Dalle), alternately dark, angry, and hateful, then tender, apologetic, and beautiful. As with Beineix' earlier work, "Betty Blue" is gorgeously photographed in startling colors. At the Copley Place cinema.

★★★★ **Children of a Lesser God** — A beautiful, moving love story between pupil

(Marlee Matlin) and teacher (William Hurt) with fabulous acting performances by the principals. Winner of an Oscar for Best Actress, Marlee Matlin. At Copley Place, the Lexington, and Somerville (Assembly Square) theaters.

★★★★ **The Color of Money** — Scorsese directs and Paul Newman and Tom Cruise star in this excellent sequel to the 1961 "Hustler." Cruise is a hotshot pool shark being stakehorsed by Newman, but

the film is less about pool than it is about deception and personal redemption. Newman won the 1986 Oscar for Best Actor. At the Beacon Hill and Somerville (Assembly Square) theaters.

★★ **Crocodile Dundee** — Paul Hogan is likeable as the Australian from the Northern Territories who is invited by a beautiful female reporter to visit the big city. The scenes in the outback are gorgeous but the story bogs down once it moves to New York. At Copley Place.

★★★ **Evil Dead, Part 2** — So it isn't high art. So what? This is a roller coaster ride of thrills and chills that never runs out of steam. If not guaranteed to scare the living daylights out of you, then it will at the very least have you rolling in the aisles. At the Cinema 57.

★ **Gothic** — Director Ken Russell is up to his old tricks, piling shocking image upon shocking image, but all with little substance. The tale is based on the evening when Lord Byron and Percy Shelley gathered in June 1816 for ghost stories with a small group of friends, the same night which spawned "Frankenstein" and "Vampyre." Unfortunately this film spawns nothing but a bad mix of sex, drugs, and monsters. At the Nickelodeon.

★ **Lethal Weapon** — Mel Gibson is the "Lethal Weapon" and Danny Glover is his sidekick in this overly violent tough-cop movie which features helicopters, heroin-smugglers, head-butts, and three different types of martial arts. At the Charles, Cleveland Circle, and Somerville (Assembly Square) theaters.

★★★ **Platoon** — Oliver Stone's film depicting an infantryman's view of the Vietnam war is harrowing and spellbinding but depicts the war as a whole more honestly than it does its individual characters. Winner of four Oscars including Best Picture and Best Director. At the Paris, Harvard Square, Somerville (Assembly Square), and Cleveland Circle theaters.

★★★★ **Prick Up Your Ears** — Gary Oldman, last seen as Mr. Vicious in "Sid & Nancy," again stars as an artist in a doomed love affair, this time as playwright Joe Orton opposite Alfred Molina as Orton's lover of 16 years, Kenneth Halliwell. The film is a dark and nightmarish journey into homosexual promiscuity and frustrated jealousy. At the Nickelodeon.

★★★ **Radio Days** — Woody Allen's latest entry again takes us to a recent bygone era in America but the many humorous episodes lack Allen's typical love/sex conundrum themes and so leave the viewer only partially satisfied. At the Lexington theater.



Barbara Hershey in "Tin Men."



Holly Hunter in "Raising Arizona."

★★★ **Raising Arizona** — H.I. "Hi" McDonough is a career criminal. Edwina (Ed) is a police booking officer. They meet and fall in love at a police lineup. But of this unlikely romance is born no child, so they steal one instead, one of the "Arizona quintuplets." A clever plot, plenty of straight comedy, and a sizeable amount of sensitivity add up to a winning combination. At the Cheri and Harvard Square.

★★★★ **A Room With a View** — Outstanding adaptation of E. M. Forster's novel, with a sterling performance by Helena Bonham Carter as a youth on the brink of womanhood in Victorian England. Strong support from Daniel Day Lewis and Denholm Elliott. One of the year's ten best, this film won three Academy Awards. At Copley Place.

★★★★ **Tin Men** — Barry Levinson continues in the same vein as his previous film, "Diner," now focusing on the aluminum siding salesman/commen of Baltimore 1963. Richard Dreyfuss and Danny DeVito are the "tin men" of the title, caught in a feud of mutual car mutilation and one-upmanship after an initial collision of Cadillacs. Barbara Hershey makes a smashing appearance as the innocent housewife caught in the middle. At the Cheri, Harvard Square, and Somerville (Assembly Square) theaters.

★★ **Working Girls** — Lizzie Borden's film tries to explain the motivations and realities of prostitution but falls short of providing any true insight. At the Copley Place cinema.

Compiled by Peter Dunn from Tech reviews

The Tech proudly presents...

The Tech Performing Arts Series

A service for the entire MIT community from *The Tech*, in conjunction with the MIT Technology Community Association.

Special reduced-price tickets now available for the following events:

Steven Kanoff, clarinet

The student of American clarinet virtuoso Mitchell Lurie, Steven Kanoff gives one virtuoso recital as part of the Pro Musicus series, managed by the Wang Celebrity Series, today at 8 pm in Jordan Hall, 30 Gainsborough Street.

Free to MIT students.

Tickets will be sold by the Technology Community Association, W20-450 in the Student Center.

Are You Short On Storage Space?
STORE

A-WAY
 Then Our Storage Facilities Are Perfect For Your Goods!
 For More Information Call: 254-2511

Budget Travel
 Round trip from BOSTON starting at

LUXEBURG	\$358
LONDON	428
ST. THOMAS	269
TEL AVIV	710
CARACAS	279
AMSTERDAM	418
STOCKHOLM	464
HONGKONG	764

Also, EURAIL PASSES, INT'L STUDENT ID WORK/STUDY ABROAD, AYH CARDS, LOW DOMESTIC FARES and more! CALL for FREE Student Travel Catalog!
 [617] 497-1497
COUNCIL TRAVEL
 HARVARD SQ. CAMBRIDGE

AWESOME PARTY! — BUT WE'RE NOT TELLING YOU WHERE IT IS...

FROM SIX APPEAL, THE COURSE Six Social Group

PROJECT MayDay!

FROM THE GROUP WHO BROUGHT YOU BATTLE OF THE CROBOTS...

MYSTERY PARTY **SCAVENGER HUNT**

LIVE DJ

ICE CREAM by TOSCANINI'S

HINTS FOR THE ASKING

PRIZES FOR ALL ENTRANTS

SATURDAY May 9th 7pm FROM THE **STUDENT CENTER STEPS**

Find the MYSTERY PARTY by following clues THROUGH A TWISTING MAZE ACROSS THE 'TUTE!

CONTACT SIX APPEAL
 Mike PARKER
 494-0483 / 225-9674
 mbparker@SPEAKER.

*Mystery party location to be announced at 9:30 pm from the Student Center Steps

LUGGAGE

WE'VE GOT IT!

**Never Travel Alone.
Take Samsonite,
the best travel
companions.**

**Save 20% on
our entire stock!**

Accord St. Attache Case. Hardsided sleek attache with soft leather-look grain. Patented right-side-up feature and 3-section expandable portfolio with pockets. Padded handle, combination lock, more!

Samsonite Systems IV collection. Featuring the Samsonite World's Greatest garment bag! Softsided pieces in durable caprolan nylon backed with polyurethane. Strong nylon zippers and adjustable shoulder straps with stay-put pad. Hardsided pieces (not shown) with sturdy molded exterior and shock absorbing bumpers.

Samsonite Kicks. Tough, stain-resistant nylon, backed with washable vinyl for extra strength. Self-mending zippers, quick release hardware, durable cotton webbed handles and more.

 **Samsonite**

Reg. \$50 - \$240

SALE \$40 - \$192



**INTRO
DUCING**
MIT COOP AT KENDALL SQUARE

NOW OPEN!

MIT COOP AT KENDALL
3 Cambridge Center
M-F: 9:15-7pm
Sat 9:15-5:45pm

HARVARD SQUARE
Cambridge
M-Sat 9:20-5:45pm,
Thurs 'til 8:30

PARK FREE IN HARVARD SQ* 1 hr Church St lot or 2 hrs University Pl or Charles Sq garages
PARK FOR \$1 AT LONGWOOD* Behind Coop after 5pm and all day Sat.
*With \$5 minimum Coop purchase; validate sales receipt at Coop Cashier's desk.

Coop Charge, MasterCard, Visa and American Express welcome.



Register to win an '87 Subaru Justy GL,
courtesy of Milla's Subaru of Arlington.
Details in our Kendall Square Store.

**the
Coop**

Deutch explains long range goals

(Continued from page 1)

Kistiakowsky sees reforms as intermediate step towards core

Deutch's "pretty words" do not reflect reality, said Physics Professor Vera Kistiakowsky, the only faculty member to comment on Deutch's speech. Kistiakowsky saw the current debate on education as an outgrowth of the "Moses report," an attempt to "take us back to the good old days" when all freshmen were required to take a core curriculum including the same humanities courses.

Kistiakowsky recommended that MIT "turn this process off" and, if it is earnest about reform, "set up a new committee in the fall [at] ground zero."

Dean of Undergraduate Education Margaret L. A. MacVicar '65 denied knowledge of the Moses report. In any case, MacVicar said, the current debate is already 18 months old and no new committee is needed.

Breadth needed in education and admissions

"Technical solutions by themselves cannot lead" to prosperity, Deutch explained. "We may have an education that may be too narrow" for the "successful application of technology in society."

Students must gain "a sharper understanding" of the requirements and applications of science, Deutch continued, because scientists "put [discoveries] on a menu for businessmen and bankers to present to society."

Deutch said that despite the demands of a professional education students must have time for a "broad range of thought." Diversity is essential, he added, and MIT should not be a "home for . . . the single[minded] scholar."

Through the course of the review the quality of admitted students will come under increased scrutiny because "how they come [to MIT] is very important," said Deutch.

Director of Admissions Michael C. Behnke said that MIT has begun to employ the kind of "marketing that our competitors have been using for ten years," such as emphasizing the diversity of academic and extracurricular activities at MIT.

Behnke explained that stereotypes should not be dismissed lightly and that MIT should indeed work to improve its image. MIT's competitors are either purely technical schools or universities, and as such MIT occupies a unique market position.

In selecting the Class of 1991 academic and extracurricular activities were equally weighted, and both the average verbal and math SAT increased.

Social sciences and the liberal arts are already being highlighted in admissions policy, Deutch said, and in selecting the Class of

1991 there was a "premium" on self-education and team work.

J. Kim Vandiver PhD '75, professor of ocean engineering and associate chair of the faculty, asked the panel whether applicants weak in extracurricular fields but showing signs of aca-

ademic genius were being considered.

"Yes, we did admit some nerds," Behnke said, adding that "co-curriculars" such as science fair projects and math team were being stressed more, relative to class grades.



Ken L. Church/The Tech
The new Coop is open. The Harvard Cooperative Society has opened its new MIT store at 3 Cambridge Center in Kendall Square.

EUROPE! \$399

R/T Jet from Boston to Luxembourg

- Fly to Luxembourg, with FREE express motorcoaches to Germany, Holland & Belgium • Only \$15 by train to Switzerland & France
- Convenient connections via Icelandair to Copenhagen, London, Paris, Frankfurt, Glasgow, Oslo, Stockholm, Bergen.
- Iceland optional stopovers at no extra charge.

Depart May 1 - May 31, June - October
Departures for as little as \$50 additional each way. Restrictions apply.

ICELANDAIR

CRIMSON TRAVEL

39 JOHN F. KENNEDY ST. CAMBRIDGE • TEL. 868-2600

WE'VE GOT YOUR DATE FOR THE WEEKEND

- Affordable Luxury
- Style and Pleasure
- Low Weekend and Holiday Specials



Thrifty features quality products of the Chrysler Corporation like this Chrysler LeBaron GTS.

Central Square
Boston Volvo
304 Mass. Ave., Cambridge • 661-4757
Harvard Square
1201 Mass. Ave., Cambridge • 876-8900
Brookline
143 Harvard St. • 739-2244

Downtown Boston
Mid-Town Hotel
220 Huntington Ave. • 267-6633
Waterfront
Lewis Wharf
28 Atlantic Avenue • 367-6777
Logan Airport
125 Bremen St., E. Boston • 569-6500

4 Other Convenient Locations
See the Yellow Pages for Addresses and Phone Numbers.

Thrifty
Car Rental

6-PACK UNDER GLASS



THIS BUD'S FOR YOU.™

BUDWEISER® • KING OF BEERS® • ANHEUSER-BUSCH, INC. • ST. LOUIS

GIVE TO THE
AMERICAN
CANCER SOCIETY.

This space donated by The Tech

HATHA YOGA CLASSES
Begin May 11, 1987



Nityananda Institute
Cambridge, MA
497-6263

Deans: schools will revise curricula

(Continued from page 1)

subjects and lecturers, Brown continued. He recommended that MIT "accept reality" and reduce the Science Distribution requirement to a single subject because most departmental requirements already include one or two SD subjects.

About nine new subjects from all science departments may be introduced as approved distribution courses in the near future.

Engineering to make social issues a bigger priority

Kerrebrock said that the School of Engineering wants to ensure that students "understand and respect economic and managerial principles" without diluting the School's strengths.

Kerrebrock held up the 175-page student-written Course Evaluation Guide, saying that the School of Engineering will pay greater attention to the recorded comments as feedback about dif-

ferent teaching methods.

The engineering faculty should be more oriented to teaching science subjects, he said, and instructors are being urged to learn from one another.

Kerrebrock also endorsed "context subjects" as "an educational opportunity of some sort" in which faculty with dramatically different views come together with students to have involved discussions. Three such subjects are before the CUP and another three are being considered by the Committee on Curricula, he announced.

He suggested that the Undergraduate Research Opportunities Program might be extended by coupling it with the Industrial Liaison Program.

HASS role to expand

Course XXI should have more than a service role at MIT, Friedlaender said, and she suggested that the school may offer some

graduate degrees in the future. Students should be introduced to different analytical views so as to better understand social, cultural, and intellectual forces as well as the social implications of science and technology, Friedlaender continued.

Overshadowed by the technical departments, the humanities and social science programs find it "difficult to attract and maintain first class faculty," she said, quickly adding that the present faculty is highly acclaimed. There is no disparity between departments in the quality of teaching, she said.

It is important that humanities faculty "have an outlet for professional interest in teaching," she said. Friedlaender praised last year's report by a committee headed by Leo Marx, professor of Science, Technology, and Society, which proposed a humanities-based research center and an integrated science-arts major.

Forum addresses ethical problems

(Continued from page 1)

The incidence of certain diseases, in particular Tay-Sachs disease and Beta Thalacemia, has been reduced through genetic screening of fetuses, countered Professor of Biology David E. Housman. He was more disturbed about the "trivial" use of amniocentesis to determine a child's sex.

New technology stems from basic research

Much of the reproductive technology now coming into controversy has stemmed from basic scientific efforts to understand genetic disorders, said Housman, who recently discovered that manic depression is under a traceable genetic influence.

Genetic disorders fall into a wide spectrum, Housman stressed. One end of that spectrum includes rare disorders such as muscular dystrophy and Huntington's disease. But genetic links are being found for other types of ailments as well, he said.

New technologies are turning up a large number of genetic markers which can be used to predict an individual's genetic disposition to certain diseases, raising several privacy issues, Housman said.

For example, an individual who is at high risk for emphysema can be detected using present techniques, he said. Housman was concerned about the rights of employers or insurance companies to seek out such information.

The Congressional Office of Technology Assessment is gathering information on these technologies, Housman said; any legislation on these issues would probably not come for several years, he added.

Shevitz emphasized that the implications of reproductive technologies must be considered now while they are being developed. Shevitz also remarked that the development and use of reproductive technologies may result in issues that the scientific commu-

nity is not well prepared to deal with, especially in cases of error or failure of techniques.

Traditionally, he said, failed experiments are used by scientists only to point the road to successful ones. But when those experiments involve humans, he said, it is necessary to deal with the failed experiments as well. Shevitz feared that the scientific community is not usually recep-

tive to ethical questions raised by research.

Though some denounce the use of reproductive technologies as attempts at "playing God," Shevitz argued that we cannot simply ignore the possibilities of the technologies altogether. Rather, he felt, people must struggle to make ethically correct decisions given the options that they have.

Subscribe!

SUBSCRIPTION RATES

- New
 Renewal

US Mail - 1st Class: 2 years \$67 1 year \$36
3rd Class: 2 years \$26 1 year \$14
Foreign - Canada/Mexico (air mail): 1 year \$40
Overseas (surface mail): 1 year \$40
Institute Mail - 2 years \$13 1 year \$8

Prepayment Required

The Tech

P.O. Box 29
MIT Branch
Cambridge, MA 02139

Name: _____

Address: _____

Your foreign language ability is valuable!



Translations into your native language are needed for industrial literature. You will be well paid to prepare these translations on an occasional basis. Assignments are made according to your area of technical knowledge.

We are currently seeking translators for:

- Arabic • Chinese • Danish • Dutch
- Farsi • French • German • Greek
- Italian • Japanese • Korean
- Norwegian • Polish • Portuguese
- Romanian • Spanish • Swedish and others.

Into-English translations from German and French. Many other languages also available.

Foreign language typists also needed.

All this work can be done in your home!

Linguistic Systems, Inc. is New England's largest translation agency, located a block north of the Central Sq. subway station.

For application and test translation call Mr. Skagestad

864-3900

Linguistic Systems, Inc.
116 Bishop Allen Drive
Cambridge, MA 02139

COMING IN JUNE

**IN VIETNAM
THE WIND DOESN'T BLOW
IT SUCKS**



Stanley Kubrick's

FULL METAL JACKET

WARNER BROS PRESENTS STANLEY KUBRICK'S FULL METAL JACKET
STARRING MATTHEW MODINE ADAM BALDWIN VINCENT DONOFRIO LEE ERMEY DORIAN HAREWOOD ARLISS HOWARD KEVYN MAJOR HOWARD ED O'ROSS
SCREENPLAY BY STANLEY KUBRICK MICHAEL HERR GUSTAV HASFORD BASED ON THE NOVEL THE SHORT-TIMERS BY GUSTAV HASFORD CO PRODUCER PHILIP HOBBS EXECUTIVE PRODUCER JAN HARLAN
PRODUCED AND DIRECTED BY STANLEY KUBRICK

PARIS

\$445 rt.

STN STUDENT TRAVEL NETWORK

Call (617) 266-6014

sports

MIT golf team takes fourth place

By Rich Chleboski

A great performance in the New England Championships gave the MIT golf team a fourth place finish out of 42 New England Division I, II, and III teams. This was the highest finish ever for MIT.

Chris Craig '89 came to the fore in this one. Barely making the five-man team in a playoff with Chris DeBlois '87, Craig produced 82-74-156 for a sixth place tournament finish. Gary Zentner '87 and Captain Eric Asel '87 gave their usual strong performances. Brent Beadling '90 and Rich Chleboski '87 made up the rest of the team.

The entire team was selected to attend the NCAA Division III Championship to represent District I, for the first time in golf history at MIT.

The team also scored a 3rd place finish in the Greater Boston Tournament this season. Brent Beadling '90 tied for medalist honors and played off for the GBC Championship. Beadling won the playoff with Pat Kenary of Harvard on the 3rd hole to give MIT only its 2nd GBC Champion in the tournament's 27 year history. Asel, who won in 1985, was a runner-up this year

with 76.

The team had an 11-3 match record and completed its 14th consecutive winning season. The team defeated perennial Eastern power Salem State in a dual match 385-381. It also finished 7th of 21 teams in the Massachusetts Intercollegiate Tournament. Asel, with 77, and Chleboski, with 79, led the way.

Asel also won the top award given in college golf in New England, the Guy Tedesco Award, presented at the New England Tournament banquet. He will graduate this year after playing four years in the first spot.

(Editor's note: Rich Chleboski is a member of the MIT golf team).

Sports award winners

The Class of 1948 Award

(Male senior athlete of the year)

Michael P. McElroy '87

The Betsy Schumacker Award

(Undergraduate woman for excellence in athletic competition)

Martha R. Beverage '87

The Admiral Edward L. Cochrane Award

(Male senior who has shown the highest qualities of humility, leadership, and inspiration in intercollegiate athletics)

Thomas R. Hoffman '87

The Pewter Bowl Award

(Female senior who has shown the highest qualities of inspiration and leadership in contributing to women's athletics)

Martha R. Beverage '87

The Malcolm G. Kispert Awards

(Male and female senior scholar-athletes of the year)

Michael F. Foley '87

Jeri Ann S. Ikeda '87

The Harold J. Pettegrove Award

(In recognition of outstanding service to intramural athletics)

Jeffrey D. Klohr '87

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.

PRINTING: 2 Color Stripper, A.B. Dick 9810 operator or a multi 1250 operator, 3-5 years experience. Sal. Neg. RECEPTIONIST: Typing, filing, customer service. CALL 661-4824 OR 876-7310.

MAN & VAN

Light movings — local or interstate. Low rates — best way to bring everything home at once. Free estimates — CALL Rick 277-1276.

RETAIL COMPUTER POSITIONS

Immediate openings for Sales, Tech Support, Service technicians. Offering competitive salary and benefits. Send resume or write for application. Confidentiality guaranteed. Tony Ferranti 1300 Mass Ave. Cambridge, 02138. Or call 499-2757.

BACK BAY CONDOMINIUM FOR SALE.

Beautiful river view, excellent location, charmingly detailed. One BR, two fireplaces, bay windows with built-in bench seat, French doors, wood floors, walk-in closet and DEEDED PARKING. \$248,000. By owner. 266-6009.

Young authors writing a book on sexuality seek people 16-22 willing to relate personal experiences. Write Young Authors, P.O. Box 3105, Andover, MA 01810.

RESUMES TYPESET \$17.50

Half Copy Store price. Drop off/pick up 89 Mass. Ave. (Auditorium T) \$7.50 deposit to man at desk, return to proofread in 2 days. (Make own copies of original). Sue 661-TYPE

Sexually transmitted disease: Diagnosis and treatment. Private physician's office. Confidential. Robert Taylor M.D., 1755 Beacon St., Brookline, 232-1459 (on Green Line MBTA).

Summer jobs: Start now or after exams. \$7.50 p/hr. F/T and P/T positions available in your local area. No experience. Some career positions. Call 617-396-8208.

Two Bedroom Condo

Avon Hill, Cambridge
Walk to Harvard, Porter Sq, Red Lines. 1120 sq. feet. Charming, romantic Victorian with eat-in, modern kitchen, sliders to southern, sunny flower-boxed deck. Yard, wood-stove, built in cabinets and bookcases, fan windows, skylight, new bathroom. Enormous attic for expansion or storage. \$239,500. 868-0839, 492-2626.

Graduating seniors... get the credit you deserve at BayBanks.

Soon you'll be graduating,
and BayBanks would like
to get you started with
your first auto loan.



The First-Time Borrower Program. BayBanks has created a First-Time Borrower Program, a convenient way to establish credit and buy something you really need — a car.

Under this program, BayBanks has developed special credit criteria that make it easier for you to obtain an auto loan.

Qualifying is Easy. Just answer the following questions.

Are you a graduating college senior who has accepted a full-time position in New England?

Can you provide written verification from your future employer that you will begin work within 60 days of the date you purchase the car?

If you answer "yes" to both of these questions, you may qualify as a First-Time Borrower!

The Smart Way to Borrow. In addition to being a great way to establish credit, a BayBanks First-Time Borrower auto loan is an intelligent way for you to borrow. You will find our interest

rates competitive. You can select terms that suit your personal financial situation and you can choose your own payment date, which makes your budgeting easier. And, as a First-Time Borrower, you can delay your first payment for up to 90 days from the date you purchase the car.

Applying is Easy, Too! To apply, just call the BayBanks Loan Phone. Identify yourself as a First-Time Borrower, and provide the information requested by our Loan Phone Representative. We'll do the rest.

If your future employment plans are unsettled at this time, save the Loan Phone number listed below, and apply when you accept a job offer.

Banking Convenience. In addition to providing auto loans, BayBanks can service all your personal financial needs. We have over 200 full-service offices and over 700 X-Press 24[®] automated tellers located throughout the state for your banking convenience.

Please visit any BayBank office for more information on BayBanks' other financial services.



BayBanks[®]

IT JUST KEEPS GETTING BETTER.™

Equal Opportunity Lenders

Members FDIC

sports

Women's water polo ends up season, 10-5

By Buzzy Sawyer

The MIT women's water polo team concluded its season this weekend at the MIT tournament, posting an overall record of 10-5.

Friday night, the Tech women blasted Harvard "B" in a promising first game victory. After the first quarter, MIT had a marginal one point lead. By halftime, the Tech women had gunned 5 additional goals, holding Harvard "B" scoreless in the 2nd quarter. MIT's offensive drives during the 2nd half proved unstoppable. Coupled with a dynamic defense, the MIT women rallied to a final 12-5 defeat.

Saturday, MIT opened with a crushing 16-1 defeat over UMass Amherst. MIT dumped an average of 4 goals each quarter into the UMass net, swimming with champion-like strength and skill.

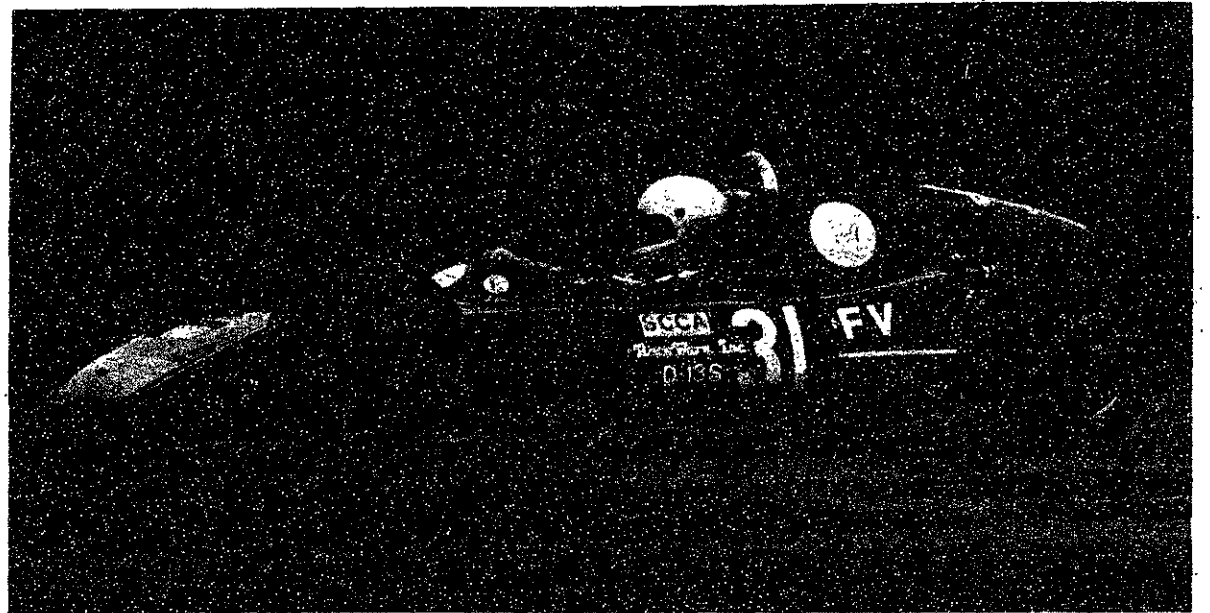
Later on that day, MIT met arch-rival Harvard "A" in a tense, well-fought battle. Eager to avenge a recent loss to MIT, the Harvard squad played with unrelenting determination. At halftime, the score was 3-3. Third quarter action highlighted impen-

etrable defensive play by both teams. The score remained even into the final 5 minutes of the game. But only seconds into the fourth quarter, Harvard "A" released the tie-breaking goal and followed with three more punishing points. Harvard "A" grabbed the 7-3 win.

Against Brown, the MIT women suffered another heartbreaking loss. MIT held Brown to a 2-2 halftime tally, but slipped behind 6-3 in the third quarter. The Tech women began their comeback attack late in the final period with a crisp goal from the 4 meter. With only 1 second remaining in the game, the MIT goalie hurled the final goal of the game from half-pool. MIT lost 5-6.

Despite the disappointing 2-2 tournament outcome, the MIT women's water polo team enjoyed a very satisfying season and looks forward to continued success in 1987-88 New England water polo competition.

(Editor's note: Buzzy Sawyer G is a coaching assistant for the women's water polo club.)



Courtesy Tech Sports Car Club

Ed VanDuyne drove the Tech Sports Car Club to a second place finish in its first race of the season. The April 26 race was part of the New England championship. This season the club will be competing on a national level with Eric Balles G as driver. Ed Bernardon, who just gained his regional license, will be competing in the North Atlantic Regional Championships. The Tech Sports Car Club uses a Formula Vee car designed at MIT in 1973 and rebuilt over the past seven months.

MIT frisbee shuts out opponents

By Michael Gojer

The MIT ultimate frisbee team won all of its three games in a tournament held at Dartmouth this past weekend and now holds the Coastal Section title, according to team Captain Greg Wolff '87. The team will proceed to the Northeastern regional competition at Amherst this weekend, following its 3-0 performance at Dartmouth.

MIT defeated Boston University's ultimate team — ranked among the top 20 ultimate teams in the country — by a 13-10 margin at the tournament. MIT also beat the University of New Hampshire 13-2 and Tufts 13-7.

Wolff said the squad played a zone defense during the tournament, assisted by a slight wind last Saturday. Chris Corcoran G made a number of diving grabs and co-captain Kirk Johnson '88 played an "amazing" defense, Wolff said.

MIT, BU, Dartmouth, and Brown will all advance to the re-

gional tournament from the Coastal Section. Sixteen teams will compete there, and the top four will go on to nationals at Penn State on Memorial Day. Wolff expected that the key teams to beat at the regional competition would be Cornell, University of Vermont, Columbia, Wesleyan, SUNY-Purchase, and possibly BU.

"We have a good chance of going to nationals," Wolff predicted. The team has gone to the national competition for the last 2 years in a row. "Nobody expects us to make it [to the nationals]. We're a big underdog, but we've been big underdogs before, so I'm pretty confident."

"Playing in the rain"

"Things have really been coming together in the last 2 weeks . . . especially with the game against BU," Wolff commented. This year's squad is very new, with only three returning members out of approximately 15.

Wolff said the team has been improving all season.

Although they did not do very well at the Ivies, he noted, the squad managed to play some close games in their tournaments at Amherst and SUNY-Purchase this season. In the last two months, Wolff added, the team has gone from losing a lot of games to winning a lot.

What has helped the team come together? "Playing in the rain," Wolff said, smiling. "You really develop a camaraderie. Everyone gets sick of the mud."

"The rookies are finally getting some playing time. They're being much more relaxed under pressured defense."

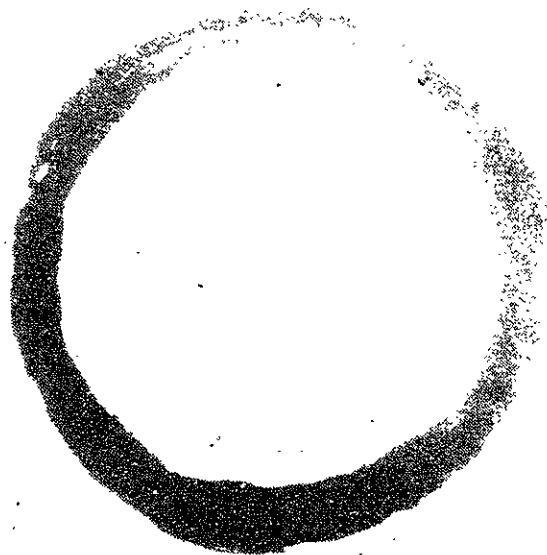
The composition of the team has shifted this year, Wolff observed. There are fewer handlers on the squad and a lot more long receivers.

Wolff said there is a "strong base on the squad of returning players" and that he thinks the team will be very competitive next year.



Kyle G. Peltonen/The Tech

Don't mess with me . . . A troupe of Japanese sumo wrestlers toured MIT and visited with the MIT wrestling team last weekend. On Monday, they gave an exhibition at the Ritz-Carlton Hotel in Boston. Pictured is Kazuo Yasui, who weighs in at a svelte 330 lbs.



Being pregnant doesn't mean being alone.

All services at no charge/Free pregnancy tests/Confidentiality assured.

DAYBREAK

CRISIS PREGNANCY CENTER

1384 Massachusetts Ave., Cambridge, MA 02138 • 576-1981

EARN EXTRA \$\$\$

WE NEED...

- TYPISTS ● RECEPTIONISTS
- WORD PROCESSORS
- NO TYPING? FINE WITH US.

BONUS OFFER
\$50.00

after completing your first 50 hours

Referral Bonus Program Also!

We have interesting jobs in Cambridge and surrounding areas.

Non-typing positions starting at \$6/hr.

We can accommodate any schedule.

High hourly rates.
Never a fee!
491-0491

staff
builders
TEMPORARY PERSONNEL
5 JFK ST.-HARVARD SQ.