

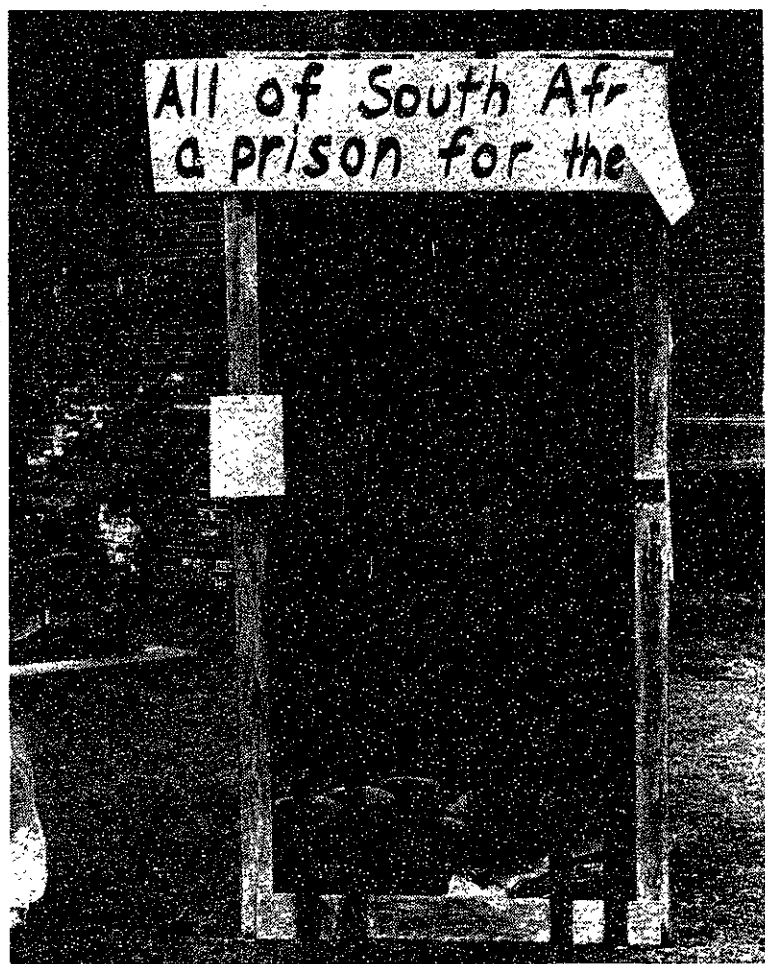
Continuous
News Service
Since 1881

Volume 106, Number 15

The Tech

MIT
Cambridge
Massachusetts

Tuesday, April 1, 1986



Tech photo by David M. Watson
Members of the *Ad Hoc* Committee for Divestment Now at Wellesley College built this mockup of Winnie Mandela's prison cell on Wellesley's Academic Quad as part of an effort to increase on-campus awareness of the situation in South Africa. The group felt that Wellesley students would more readily identify with a woman who is fighting against apartheid.

Rally protests SDI research

By Joseph J. Kilian

A rally and teach-in against the Strategic Defense Initiative (SDI) held yesterday on the steps of Building 7 featured speakers from MIT and 8th Congressional District candidate George Bachrach [see sidebar].

The rally marked the beginning of three days of activities planned by the Science Action Coordinating Committee (SACC).

Events held today will be part of a national day of campus action against space weapons, according to Rich Cowan G of SACC. At least 53 campuses are expected to take part, he said.

"There is no more powerful stimulus for special interest groups than the \$300 million Pentagon budget," said Alan Szarawski '88 of the Disarmament Study Group, discussing the influence of special interest groups on the political process.

Szarawski stressed the differences between the positions held by special interest groups, and those held by the majority of Americans.

In 1981, 75 percent of Americans favored a nuclear freeze, he said. Furthermore, the MX system is opposed by both liberals and conservatives, he continued.

"Legitimate defense interests are being subordinated to special interests," Szarawski said.

Szarawski advocated greater public participation in the political process. "Activism, dissent, and protests are an integral part of the American system," he said.

James Melcher, professor of electrical engineering, said that a hydrogen bomb can weigh as little as 100 pounds and therefore can be delivered by cruise missiles and torpedoes. These modes of delivery "would not be touched by SDI," he said.

"Most Americans have a phobia about Russians," Melcher claimed. He asked, "Why did Gorbachev express fear about

SDI when he knew that in American minds this would enhance support for SDI?"

The countries the United States competes with militarily are not the ones it competes with economically, Melcher said. The US economy is geared for military competition, but not for economic competition, he said.

Consequently, the United States is becoming the largest debtor nation in the world, Melcher said.

Melcher urged students to seek jobs "in harmony with the needs of this country, and the needs of

(Please turn to page 7)

8th CD candidate speaks at rally

By Julian West

State Senator George Bachrach called for a redirection of money from the military to social programs at a rally on the Lobby 7 steps yesterday. Bachrach is a Democratic candidate for the 8th Congressional District seat.

Four other candidates in the 8th CD race are expected to speak at rallies against space weapons here today and tomorrow.

The public perception that the huge national debt makes it impossible to spend more on programs such as Medicare and new housing programs is "nonsense," he said. Bachrach pointed to the Defense Department budget, which has grown from \$125 billion to \$300 billion in the past five years, he claimed. "That's not Monopoly money, it's the real thing," he stressed.

"Are we safer these days than five years ago?" Bachrach asked. Most people don't think so, he argued. Furthermore, the military buildup was "never supposed to make us safe," the spending was intended to create jobs, he claimed. For example, everyone in Washington knew that the B-1 bomber was unnecessary when the Stealth bomber could be built, Bachrach said. "I wouldn't want either," he added.

Reagan's military budget is "a jobs program," he said, and members of Congress back military programs because "they're unwilling to put their constituents out of work." More jobs could actually be created by domestic expenditure, he said, and the Pentagon budget should be attacked in these terms. For instance, American construction of transit vehicles, which are currently imported from Japan and Canada, could provide more jobs, he said.

Bachrach called for the immediate removal of \$35 billion from the military budget. He called this a "quick, small cut" and said a further \$35 billion should be cut next year. The saved funds could create 500,000 jobs if redirected into domestic programs.

The turnout at the rally was encouraging, he said, saying "every great movement in this country has not started at the top; it has started on college campuses and in the streets."

Today's rally, also scheduled to start at 12:30 on the Lobby 7 steps, will feature two other candidates for the 8th CD seat. State Representative Thomas M. Gallagher has called for an end to space weapons and for deep cuts

(Please turn to page 7)

MIT admits more women, minorities

By Katie Schwarz

Record numbers of women and minorities have been offered places in next year's freshman class, according to Michael C. Behnke, director of admissions.

The percentages of women and minorities in the accepted group are high because the admitted class is smaller than last year's, Behnke said. The Academic Council ordered a reduction in the class size earlier this year to combat dormitory overcrowding.

The accepted group includes 38 percent women, up from 28 percent last year, and 12 percent minorities.

MIT sent acceptance letters to 1663 applicants three weeks ago. Among them are 634 women and 192 members of minority groups, defined by the Admissions Office as groups which are underrepresented at the Institute — blacks, Mexican-Americans, Puerto Ricans, and Native Americans.

The Admissions Office accepted 113 blacks, 45 Mexican-Americans, 27 Puerto Ricans, and 7 Native Americans. There are also 95 international students.

The Admissions Office had to be more selective than usual to make sure last fall's crowding problems will not be repeated, Behnke said. This year's class size target of 1000 is the smallest in 13 years, and President Paul E. Gray '54 directed Behnke not to exceed it.

At the same time, more students were seeking admission to MIT than at any time in the past five years, Behnke said. The Admissions Office received about 6212 applications, compared to 5745 last year. Last year's number was unusually low, Behnke explained, because the office was not fully staffed and cut back on travel to high schools.

The number of male applicants was about the same as it was two

years ago, Behnke continued, but the number of female applicants showed a "significant increase" to a record high of 1358. The Admissions Office has stressed the broad opportunities available at the Institute, and "my impression is that women are more responsive to that message," he said.

Campus Previews for admitted women and minority students will be held again this spring, Behnke said.

Minority recruitment efforts

About 361 minority students applied to MIT, almost exactly the same number as in the past two years. But the Admissions Office had to make special efforts to attract that many applications, Behnke said, because the "pool" of eligible minority candidates decreased this year.

Each year, the College Board sends MIT a list of students with high scores on the Preliminary Scholastic Aptitude Test. There were 19 percent fewer minority students on the list this year than last year, although the same selection criteria were used, Behnke said.

Eduardo Grado '83, assistant director of admissions, and student volunteers spent "a tremendous number of hours" contacting prospective minority applicants, Behnke said. The students "did a lot of personal

(Please turn to page 2)

Program helps faculty afford housing

By Marcia Smith

MIT established a Housing Assistance Loan Program (HALP) for faculty members at the begin-

ning of this term to counteract the soaring cost of housing in the Boston area.

The Institute needs this program so that it can attract the best faculty despite a very expensive housing market, explained Treasurer Glenn P. Strehle '57.

The cost of housing in the Boston area is "a matter which can no longer be disregarded by this institution," said Provost John M. Deutch '61 at last November's faculty meeting. Over the past two years the real estate value in Boston has risen dramatically, "making the market sky high," he said.

HALP allows a faculty member to borrow money based on his or her salary. Faculty members with lower salary are eligible for greater loans, according to Strehle.

Strehle and Susan DeFord, assistant to the treasurer, say the plan seems to be working. Four junior faculty members have applied for a share of the \$9 million available from the endowment since Feb. 7, when the Executive Committee approved the plan. Three of the four bought houses within a few days. DeFord expects 50 to 100 applicants this year.

"MIT doesn't lose any money on the deal because we're paid back in full," said Strehle. "We lose the interest the money could earn in bonds, but we gain a better faculty. It's not limited to independently wealthy people; we can get a variety of people."

"The process is simple," explained DeFord. "They [faculty members] apply and the application has to be approved by the treasurer's committee and then the Provost. If the Provost vetoes it, he can be overruled by another [four-member] committee. Faculty members get a reply within a week."

MIT charges interest on the loans based on appreciation of the property, Strehle said. If the professor's house appreciates by a large amount, MIT sets a maximum value for repayment. "The program is a no-lose deal for the faculty," he added.

"It's a unique offer," said DeFord. "Other colleges offer assistance, but none in this form. It's something Glenn [Strehle] and I dreamed up. The applicants can't believe we offer such a good deal. We've offered assistance since 1968, but nothing like this."



Tech photo by David M. Watson
Recess on Kresge Oval: Fifth graders from the McCarthy-Towne school in Acton take a break while visiting the Center for Advanced Visual Studies on March 18.

news roundup

from the associated press wire

World

Demonstrations in Korea

About 50,000 people rallied in the city of Kwangju on Sunday, opposing what the opposition calls a military dictatorship. It was the largest opposition demonstration in the country since 1980, when a violent insurrection against President Chun Doo Hwan cost 200 lives. After the peaceful rally broke up, several hundred people, mostly students, skirmished with riot police. The rally marked the local kickoff of a national petition calling for direct elections to the presidency. *(The Boston Globe)*

German demonstration turns violent

Police turned water cannons spiked with tear gas on a crowd of rock-throwing protesters in Wackersdorf, West Germany, today. Police say 68 people were arrested when demonstrators stormed the heavily-guarded construction site of the nation's first nuclear waste processing plant. Officials say the violent group of protesters was in the front lines of a peaceful demonstration by about 30,000 anti-nuclear activists. *(AP)*

Plane crashes in Mexico

A Boeing 727 with 166 people aboard crashed into a mountainside in northwest Mexico yesterday. The last message from the Mexicana airlines plane was a request

for permission to descend to 2000 meters because of pressurization problems. After viewing the wreckage, Red Cross officials said there appeared to be no survivors. Eyewitnesses reported seeing the plane explode before impact. The flight was en route to Puerto Vallarta and Los Angeles. *(AP)*

Canadian senator on hunger strike

Canadian Senator Jacques Hébert is entering the fourth week of a hunger strike, demanding the reinstatement of Katimavik, a national youth program. He continues to sleep on the marble floor of the Senate lobby in Ottawa, and to hold regular morning news conferences, even though Parliament is in a 10-day Easter recess. *(The Globe and Mail)*

Commercial launches fill gap left by shuttle

An Ariane rocket belonging to the European Space Agency launched two communications satellites on Friday from a new pad at its base in Kourou, French Guiana. The satellites belong to private companies from the United States and Brazil.

China announced plans for its first commercial space venture the following day. It will provide launching facilities and a Long March-2 rocket to put a Swedish satellite

into orbit. The Chinese government has said it will charge 15 percent less than the rates asked by NASA and the ESA. *(The New York Times)*

Fire rages through Hampton Court

One person died and many art treasures were damaged as a fire gutted the south wing of Hampton Court Palace, one of Britain's most popular tourist attractions. Millions of dollars of art works were destroyed. Authorities believe the fire was caused by candles the victim, an 86-year-old resident, was using. Several other elderly women were led to safety before the roof collapsed into lower floors containing art treasures. The sprawling country home of royalty dates from the reign of Henry VIII. *(AP)*

Poland passes anti-drug laws

The Polish government banned the growing of poppies in the populous region around Gdansk. The poppies, grown for their seeds which are popular in Polish deserts, can also be used to make heroin. Enough poppy stems have been reaching the underground narcotics barons to make potent injectable heroin called "kompot" widely available at \$3.50 per dose. Some members of the Roman Catholic church have called for the abolition of poppy farming in Poland. *(Chicago Tribune)*

Nation

Extremists win Illinois primaries

Two far-right candidates, backed by Lyndon H. LaRouche, Jr., won Democratic primaries in Illinois. They become the party's official candidates for lieutenant governor and secretary of state. Their unexpected successes have been attributed to confusion and infighting within the Democratic party. Adlai Stevenson III, who had won the Democratic nomination for governor of Illinois for the second time, may refuse to run with LaRouche's candidates and stand as an independent instead. *(The New York Times)*

Overhead cuts delayed until July 1

The Office of Management and Budget agreed to delay until July a move to limit the amount that universities may be reimbursed for the administrative costs of conducting federally sponsored research. In February, OMB officials proposed that those costs be limited to 26 percent of the cost of a federal award, beginning today. But under pressure from the House Science and Technology Committee, the OMB agreed to delay the measure, although they did not extend the period for public comment on it. *(The Chronicle of Higher Education)*

Decline in science programs cited

Academic programs in college-level science, mathematics and engineering have severely declined, posing "a grave long-term threat" to the nation, according to a report issued Friday by the National Science Board. The 103-page report cites inadequate laboratory instruction, faculty shortages and outdated curriculums as the most serious problems.

The report says lab instruction is often "uninspired, tedious and dull," and charges that "faculty members are often unable to update their disciplinary knowledge" and frequently are unable to use computers. *(The New York Times)*

Supreme court discusses sodomy

The US Supreme Court heard arguments yesterday in the case of a homosexual who is challenging Georgia's sodomy law. An attorney told the court that the state couldn't tell people how to conduct their sexual habits in their own homes. The court's decision could affect sodomy laws in about 25 states. *(AP)*

Weather

Blizzards threaten Siberia

We have bypassed spring for summer. How long will it last? At this point, it looks as though the weather will hold at least through Thursday. We may see a few clouds tomorrow, but high pressure will dominate this week. A sea breeze will cool Wednesday and Thursday somewhat.

Tuesday: Mostly sunny and warm. Highs to 70° (23°C), winds moderate and southwesterly. Fair skies at night, lows in 40s (6-9°C).

Wednesday: A few clouds late in the day, but mostly sunny with highs to 60° (16°C). Afternoon seabreezes likely.

Thursday: Sunny, highs near 60° (16°C).

Forecast by Robert X. Black

Local

Protesters detained in Boston

Nearly a dozen demonstrators protesting President Reagan's Central America policy were dragged out of the JFK Federal Building in Boston yesterday after staging a sit-in in Internal Revenue Service offices. More than 1000 people rallied outside to demand an end to aid for Nicaraguan counterrevolutionaries. Speakers for the group "Pledge of Resistance" urged Congress to reject a compromise aid package. *(AP)*

Cochran declares for State office

Former Dedham State Representative Deborah Cochran said yesterday that she will seek the GOP nomination for Secretary of State, challenging incumbent Michael Conolly. Cochran is not expected to have any opposition for the nomination at the Republican state convention April 12. *(AP)*

Sports

Louisville wins national championship

Milt Wagner nailed a pair of free throws with two seconds left in the final game of his college career to secure the Louisville University Cardinals' 72-69 defeat of the Duke University Blue Devils in the championship game of the NCAA basketball tournament last night.

Louisville (32-7) overcame the top-ranked team in the nation, a team which had the most wins in college history and was riding a 21-game win streak. Duke (37-3) held an eight-point lead at one point, but its defense was unable to stop the Cardinals' inside moves down the stretch, as the birdmen outrebounded the Devils 24-9 in the second half.

Pervis Ellison, Louisville's freshman center, was named most valuable player as he scored 25 points and snatched 11 rebounds. Senior superstar Johnny Dawkins led Duke with 24 points.

Texas tops in women's basketball

College basketball crowned its new national champions. In the women's final on Sunday, Texas beat Southern Cal, 97-81. In the final four, USC defeated Tennessee 83-59 to make it to the championship game, and Texas beat West Kentucky 90-65 in the other semifinal match. *(AP)*

Cambridge wins boat race

For the first time since 1975, the Cambridge eight defeated Oxford in their traditional Easter weekend challenge race. Driving rain, gusting wind and lightning taxed the closely matched boats throughout the six kilometer course.

Cambridge took the unusual steps of using a female cox, Carole Burton, and a foreign coach — Neil Campbell, who led the Canadian eight to a gold medal in the 1984 Olympics. *(The New York Times/The Globe and Mail)*

First woman appointed to police post

The Boston Police Department appointed a woman to a senior command post for the first time in their 356-year history. Sgt. Ann Marie Doherty, an eight-year veteran of the force, was promoted to deputy superintendent with responsibility for the operations system. She will take charge of the emergency 911 system and have 161 uniformed officers under her command. *(The Boston Globe)*

Report on troubled waters

The Massachusetts public interest research group released a report warning that the problem of toxic chemical contamination in water supplies is worse than the public knows. The report, released yesterday, indicates that signs of potentially serious contamination, including carcinogens, have been found in up to 375 water supplies in nearly 200 communities in Massachusetts. The major sources of contamination are hazardous waste sites, junkyards, leaking storage tanks and landfills, the report said. *(AP)*

Celts home win streak ties mark

With eight games remaining in their regular season, the Boston Celtics (61-13) have clinched the Eastern Conference championship. Sunday night they beat New Jersey Nets, 122-117, and in doing so tied the league record for consecutive home wins at 27; the record had been set in 1950 by Minnesota Lakers. The Celtics have only lost at home once this season, to Portland. Should they win their remaining eight games, they will tie a record for most wins in a season, at 69. *(AP/The Boston Globe)*

NHL goes to wire

Several NHL playoff races remain tight this week, leaving more to be decided in the final weekend than there has been since 1981.

The Boston Bruins (36-30-11) hold the edge in the battle for second in the wide-open Adams Division. The Québec Nordiques (42-30-5) have already locked away the division title, but the remaining four teams could finish in any order — and will play each other this weekend. Boston, with 83 points, still has to play the struggling Toronto Maple Leafs (25-45-6) as well as divisional rivals Hartford Whalers (78 points, 37-35-4) and Québec.

In the Smythe, Edmonton Oilers (54-16-7) and Calgary Flames (37-31-9) have walked away with the top spots, but all three remaining teams are in the chase for third. Vancouver (22-41-13), Winnipeg (25-46-6) and Los Angeles (23-47-7) will settle that contest among themselves.

The second and third teams in the NHL, Washington (48-22-6) and Philadelphia (49-23-4), are dead even atop the Patrick Division with 102 points. Each has four games left to play. New York Islanders (37-27-12) will finish third, but cross-town rival Rangers (36-36-5) have to fend off the Pittsburgh Penguins (33-35-8) for fourth. *(AP/The Globe and Mail)*

Curling title stays in Canada

A Canadian rink won the women's world curling championship for the third straight year. Marilyn Darte's rink of St. Catherine's, Ontario defeated Andrea Schopp of West Germany, 12-5, in Saturday's final. *(The Globe and Mail)*

Compiled by Julian West

opinion

Column/Simson L. Garfinkel Everyday is a holiday in MA

Welcome back from spring break, MIT. Although we've just been away for a week, I'm already looking forward to the next MIT holiday, Patriots' Day. In memory of the patriots (who fought in the Revolutionary War, not who played in the Super Bowl), MIT will hold no classes on April 21 and 22.

March 5 — a day most of us were sitting in classes — was a day off from school for Boston and Cambridge children. The anniversary of the Boston Massacre was declared a holiday back in 1932.

The *Manual for the General Court* of the Commonwealth of Massachusetts lists 11 legal holidays for Commonwealth and two additional ones for Suffolk County. The Commonwealth observes New Year's Day, Martin Luther King's Birthday, Washington's Birthday, Patriots' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day and Christmas Day. Suffolk county's additional legal holidays are Evacuation Day (March 17) and Bunker Hill Day (June 17).

In addition to the 11 legal holidays, there are 95 "Proclamations required to be issued annually by the Governor" and an additional six "Proclamations not required by law but customarily issued by the Governor." In this list of days, weeks and months there is a special something for everybody.

April was proclaimed Parliamentary Law Month in 1982.

Other special days this month are Student Government Day (April 4), Bataan-Corregidor Day (April 9), Veterans of World War I Hospital Day (April 6), Aunts' and Uncles' Day (April 13), Armenian Martyrs' Day (April 24), Arbor and Bird Day (April 25) and Earth Day (April 28).

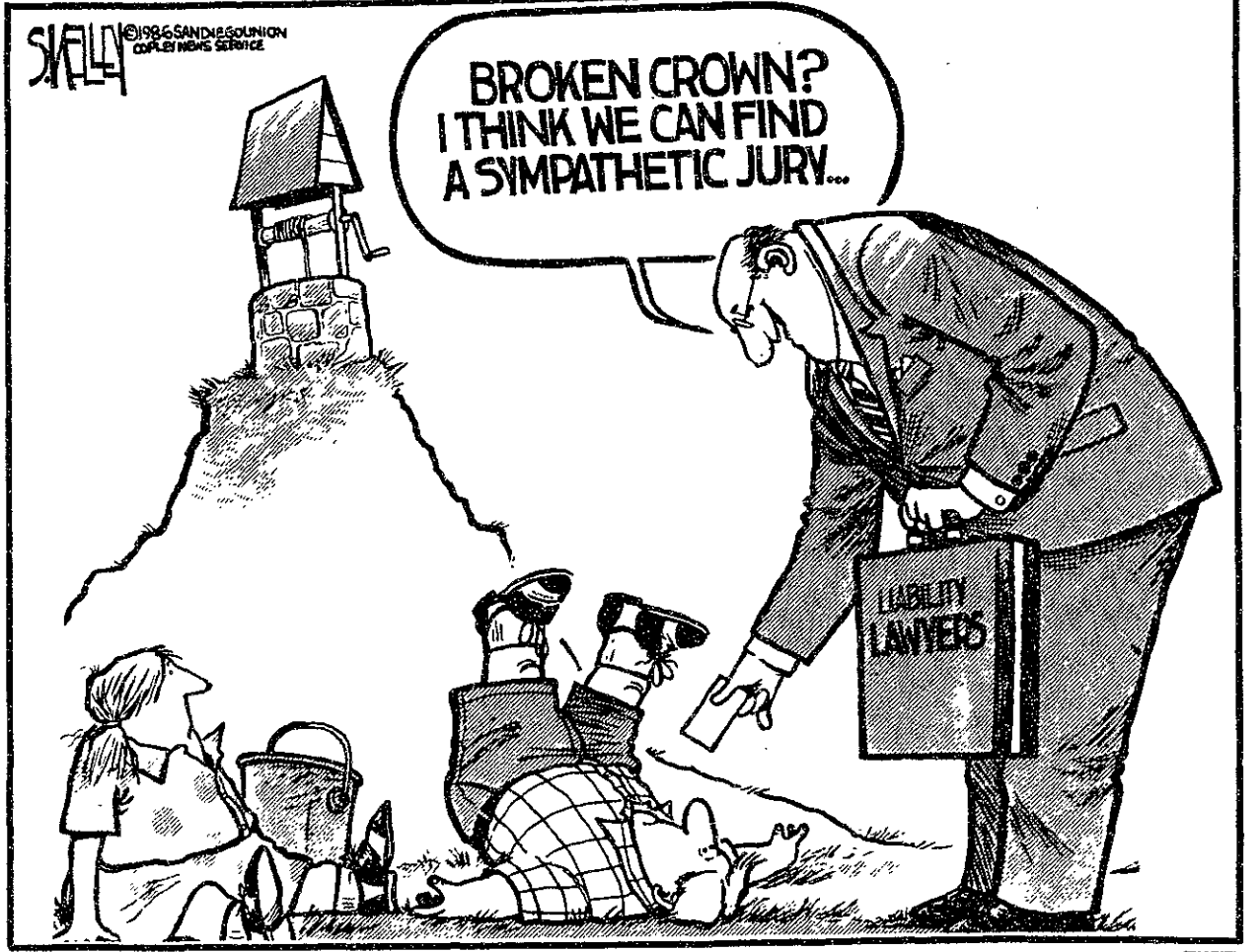
The first week of April is Earth Week, the second last full week in April is Licensed Practical Nurses' Week and the last week in April is Secretaries' Week. It seems that the secretaries are being short changed, with only four days in their "week."

That's it for April, but there are many more proclamations where those came from. There is Albert Schweitzer's Reverence for Life Day (Jan. 14), Spanish War Memorial Day and Maine Memorial Day (Feb. 15) and Public Employees Appreciation Day (first Wednesday in June).

The week in which May 15 occurs is Police Officers' Week, Cystic Fibrosis Week is the third full week in September, and Civil Rights Week falls from Dec. 8-14.

May is both Keep Massachusetts Beautiful Month and Senior Citizens Month. October is Pro-Life Month, declared in 1977. ("Wow, how did they get that?" I hear someone say.)

By the way, Evacuation Day, for everyone who didn't grow up in Boston, celebrates the day that the British evacuated from Boston. Happy holidays.



→ feedback

MIT needs better teachers

To the Editor:

I feel as if I've been badly misquoted in "Panel reviews HASS proposal" [*The Tech*, March 21]. Your reporter did reproduce exactly what I said, but the context he supplied is absolutely wrong. When I said "Don't change [subject] titles, change teachers," I was referring not to HUM-D courses (with which I am reasonably happy), but to engineering courses. I was discussing the practical implementation of Jack L. Kerrebrock's admirable objectives for the education of the engineer of the future.

Most of my ideas should be easy to accept: our education should be inspiring; courses should have great content — or more broadly, good educational

goals should be embedded in the classes and the curriculum; there should be some meaningful discourse between faculty and students; professors should be good role models; etc.

What may be more controversial is the idea that we can't simply legislate improvement. Whatever a class's title and Bulletin description, its tone and content largely depend on the professor's priorities and view of the subject. If this person is a great engineer and a good teacher, then many of Kerrebrock's objectives will take care of themselves. Conversely, if this person is a narrow theoretical specialist, with all kinds of research obligations, it seems unlikely that he could become effective at educating engineers in

many important respects.

I feel very strongly that the problems we now have stem largely from the current faculty hiring and promotion process, which selects and produces people who tend not to have the time, the desire, the background, or the breadth of interest to provide a top-class engineering education.

My suggestions for change involve ways of homing in on a slightly altered faculty composition during the later 1990s — I believe that such a development would have a disproportionately great beneficial effect on undergraduate education, without disrupting MIT's other goals and missions.

Jim Papadopoulos G

Leftist groups are hypocritical

To the Editor:

It was with great gratification that I noticed how a leftist group put posters over much of the conservative students' display in the Infinite Corridor on March 19. Gratification because this, along with the tearing down of the pro-SDI posters, shows the utter hypocrisy of the MIT leftist groups far better than the conservative groups ever could.

The left claims to be in the vanguard of liberation, demanding rights for all, protesting the suppression of free speech and insisting that they be heard. So what happens when a group holding contrary views attempts

to publicize itself? The left cowardly tries to stop them from being heard. The left is doing precisely what they crucify the right for. They wonder why people often will not listen to them. Well, why should they be listened to when they want to deprive opposing groups of their right to be heard? They are no better than

the groups they condemn.

Both sides of any debate have the right to be heard, so let us not hear cries of "MIT is oppressing us!" from one side while they go about obstructing or destroying displays by groups opposed to them.

Richard L. Carreiro '89

Arrests were a mistake

(Editor's note: The following is an open letter to President Paul E. Gray '54, Vice President Constantine B. Simonides, and Vice President William R. Dickson '56)

To the Editor:
I was extremely disappointed to hear of your actions against student anti-apartheid protestors at MIT. I feel that your violent actions reflect badly on the reputation of MIT as an institution that respects the right to differ.

From news reports and from conversations with interested parties, it seems to me that there was no justification for your calling the Cambridge Police and having eight members of the MIT Coalition Against Apartheid arrested for their participation in the shantytown protests. Certainly, you weren't using the Kresge Oval for anything else this time of year. In contrast to the actions of administrators at Dartmouth, your actions seem to show that you fear discussion of MIT's relation to apartheid.

if MIT is really committed to ending racism and ending the apartheid system, it should divest. Any action to the contrary is (at this point more than ever) simple collaboration with racism in the name of profit.

Bill Hoffman '80

Erratum

The letter entitled from Andrew MacDonald and other Random House residents ["Random honors Mandelas," March 21] contained a typographical error. The sentence "Although we, the Random residents, may not all agree that the system of apartheid must be eliminated, . . ." should have read "may not all agree on the best method to end apartheid in South Africa, we do agree that the system of apartheid must be eliminated."

The Tech

Volume 106, Number 15 Tuesday, April 1, 1986

Chairman Ronald E. Becker '87
Editor in Chief Harold A. Stern '87
Managing Editor Eric N. Starkman '87
Business Manager Michael J. Kardos '86
Executive Editor Thomas T. Huang '86

News Editors Katie Schwarz '86
David P. Hamilton '88
Ben Z. Stanger '88
Earl C. Yen '88

Opinion Editors Edward E. Whang '87
Mathews M. Cherian '88

Night Editors Robert E. Malchman '85
Mark Kantrowitz '88

Arts Editor Jonathan Richmond G
Photography Editor Stephen P. Berczuk '87

Advertising Manager Craig Jungwirth '88
Contributing Editors V. Michael Bove G
Bill Coderre '85

Simson L. Garfinkel '86
Carl A. LaCombe '86

Sidhu Banerjee '87
Andrew S. Gerber '87

Michael J. Garrison '88
Senior Editors Ellen L. Spero '86

Steven Wheatman '86
Production Manager Robert E. Malchman '85

Indexing Project Representative Carl A. LaCombe '86

NEWS STAFF

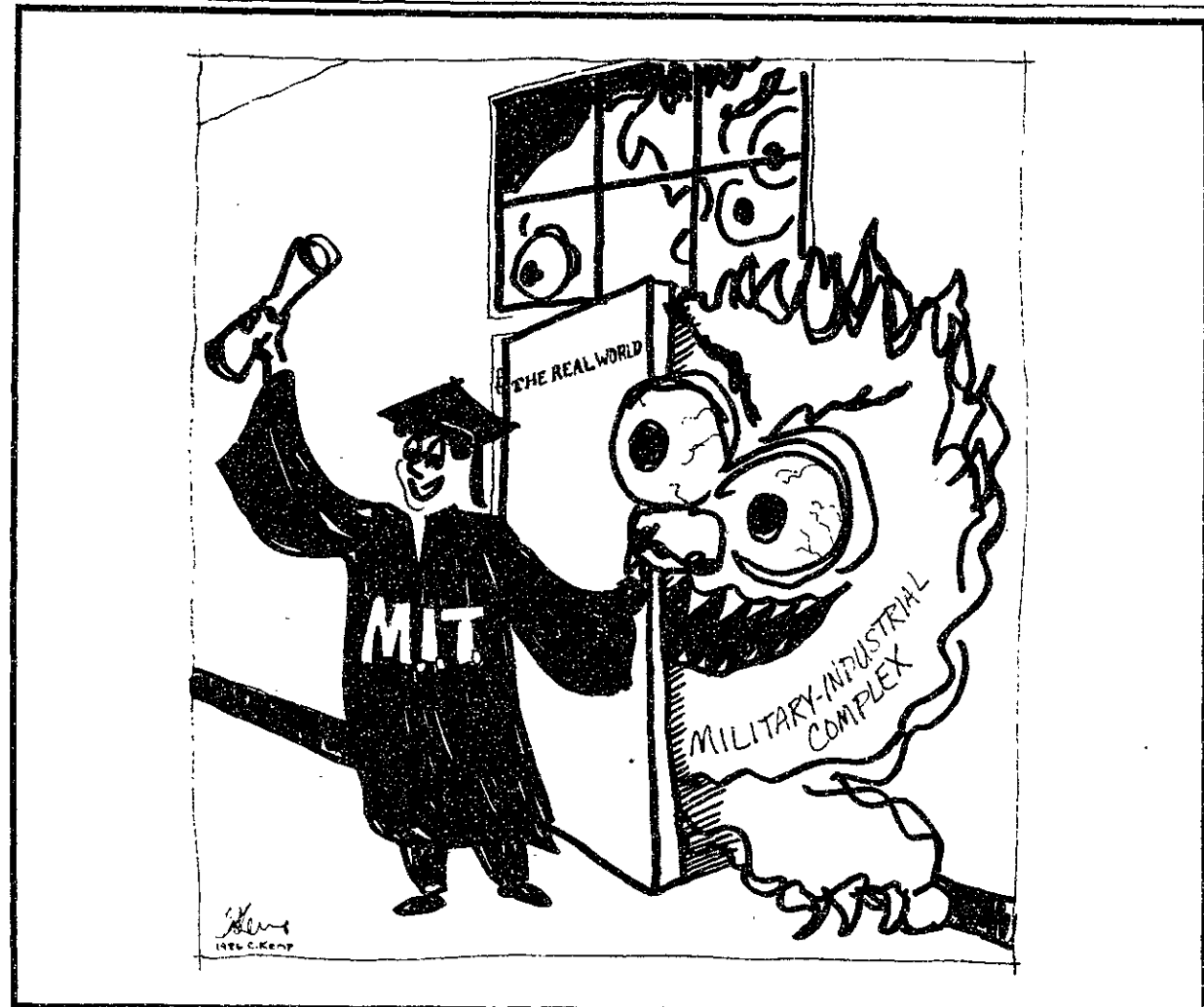
Associate News Editor: Andrew L. Fish '89; Staff: Joseph J. Kilian G, Donald Yee '87, Charles R. Jankowski '88, Robie Silbergleit '88, Salman Akhtar '89, Dorit S. Brenner '89, Derek T. Chiou '89, Mary Condello '89, Jeffrey C. Gealow '89, David C. Jedlinsky '89, Stephen S. Pao '89, Irene E. Skricki '89, Sally Vanerian '89, Donald Varona '89, Anuradha Vedantham '89, Anh Thu Vo '89, Suzanne J. Sandor W '88. Meteorologists: Robert X. Black G, Michael C. Morgan '88.

PRODUCTION STAFF FOR THIS ISSUE

Night Editor: Andrew S. Gerber '87
Staff: Julian West G, Thomas T. Huang '86, Ronald E. Becker '87, Stephen P. Berczuk '87, Harold A. Stern '87, Mark Kantrowitz '88, David M. Watson '88, Ezra Peisach '89.

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 \$13.00 per year Third Class by The Tech, 84 Massachusetts Ave. Room W20-483, Cambridge, MA 02139. 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. Telephone: (617) 253-1541. Advertising, subscription, and typesetting rates available. Entire contents © 1986 The Tech. The Tech is a member of the Associated Press. Printed by Charles River Publishing, Inc.

opinion



feedback

Not everyone is created equal

To the Editor:

I have often considered writing a letter to *The Tech*, perhaps to throw in one more opinion on minority enrollment/recruitment at MIT. The main reason that I am writing now is that there seems to be a general silence among those who do not view affirmative action programs as amounting to pure preference. I suspect the debate has raged long before my freshman year and will continue long after I leave here.

I suppose that the greatest argument for "preference choices" could be stated: "Why should I feel guilty over the injustices of my grandfathers? It is time to move on and judge everyone by their merits. Therefore, a minority person 'less qualified' than a white male should not be given preference. Why should a white male today have to pay for what has happened in the past?"

This argument is purely based on SAT scores. The way David Honig '86 ["Quotas should not dictate admission," March 11] defined the quality of a student applicant was on the basis of SAT scores, and I believe that it is time to face a little bit more of reality. SAT scores indicate a general level of competence. It would be difficult to convince anyone that a student with a 700 on his math SAT is going to perform 15 percent better at MIT

than a student with a 600. There are factors such as motivation and background. And when the admissions office looks at the record, they have to take more into account. I'm sure that all but a few agree that it would be better for the atmosphere of the community to take relevant factors into account. The debate is how much should they be weighted?

The weight of relevant factors depends chiefly on the applicant pool. If person Jo Schmo from the country X applies, and a small percentage of the applicant pool is from X, then it would be to MIT's advantage to accept Jo. Of course, Jo Schmo has the ability to do the work. It favors MIT because Jo may be a future leader for his country. World leaders in technology give MIT its greatest name. He may even give funds to the Institute. It also favors the MIT community. Jo adds diversity to the student body.

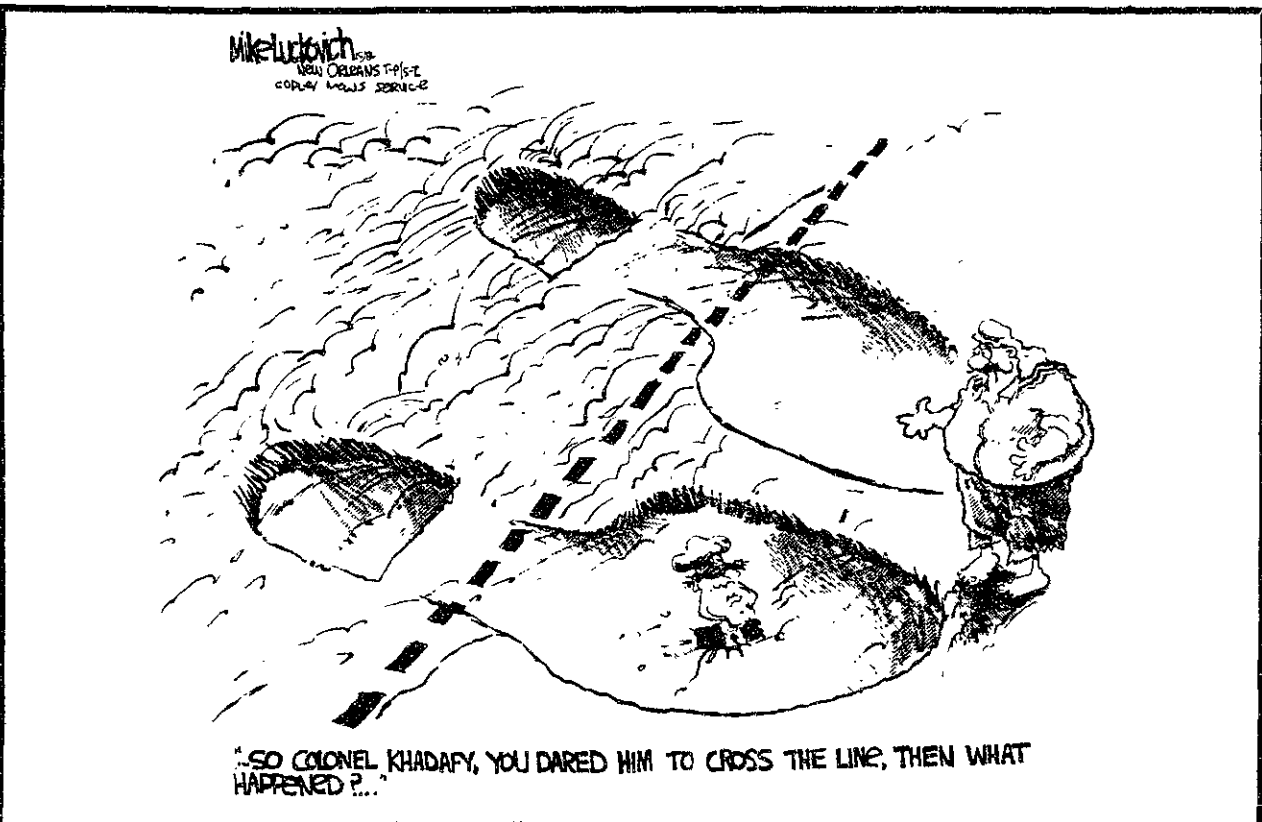
Some may feel diversity is not very important. But, never will I forget when a few Koreans in my American Political Systems class compared the differences between our government and theirs. Through diversity, students gain more valuable learning experiences. I think that most people would agree that it would be good if Jo were accepted.

However, what if country X

happens to be the United States and Jo is Black, or Hispanic, or Indian and/or female. Well, the logic turns a bit, we are all Americans and created equally. So, we should all be judged equally. I am very sorry to say that legal philosophy does not always apply to life, we are not created equally. And MIT is not the US government, although some people have their doubts. It is a wonder to me that MIT is so fair in the reviewing of applications. MIT considers the culture or the society the applicant comes from, as well as the number of applicants. For most Blacks, the America of the white male is a myth that may never exist. Our lives, attitudes, habits are so different; we experience two, often opposite, aspects of the same America. To compare our lives by the same standard is to completely ignore reality.

Are we taking coveted positions from middle-class white males who merit it more? Simply, no. Anyone who gets in merits it. All other arguments that I have heard conveyed the following message: There are too many minorities on campus and they do not belong here. Perhaps, the drop in enrollment by minorities indicates that they got the message before I did.

Karen Y. Spencer '86



feedback

Free expression must be allowed

To the Editor:

I am writing in regard to the arrest of eight students at Kresge Oval. I would like to explain why I believe MIT should drop the charges.

Two primary reasons have been given for the removal of the shanties: averting violence, given that there were apparently reports that someone might attack the shanties over the weekend; and opening up Kresge Oval for other users. Neither of these concerns, however, provides a reason for actually arresting the eight students involved or failing now to drop the charges against them.

In the meeting with the students in the hallway yesterday afternoon, Associate Provost Samuel J. Keyser implied that he believed the charges should be dropped, if they can be.

Vice President Constantine B. Simonides, on the other hand, said he had questions about whether the charges should be dropped, because he wondered whether MIT should be in the position of asking the Commonwealth of Massachusetts to take an action and then asking them to reverse it.

But the practice of arresting demonstrators and then not pressing charges is a very common one, something the Commonwealth and other governmental bodies do regularly in civil disobedience situations. In the most recent Pledge of Resistance protest at the JFK Building downtown, for example, I am told that many protestors were simply dragged from the building and then released. Thus, MIT would not be asking the Commonwealth to do anything unusual if it asked the charges be dropped and the cases not be pursued.

Both Keyser and Simonides were of the opinion that while MIT could drop charges against the two students whose trials are yet to come, it might be impossible to drop charges against the six students who admitted to sufficient facts for the court to impose costs (which I believe came to \$87 for each student).

But the lawyers that Louis Menand III, senior lecturer in political science, spoke to had a different opinion. Given that, one should not simply say "we don't seem to have the option of dropping the charges for those six." One should say instead: "Is there anything we can do?"

Perhaps if one of you called the district attorney and asked if something could be worked out, it could. Even if all paths to dropping the charges truly are blocked, I think MIT should take it upon itself to admit that arresting the students and allowing the process to go as far as it has was a mistake, and to pay the costs it-

self. \$87 times six is an extremely small sum of money for MIT — probably less than the cost of getting all the people involved in removing the shanties out at six in the morning on Friday.

It is true, though, that what I'm suggesting involves going to considerable trouble, and maybe even spending some money — all for a group of people that you probably find annoying and that have already caused you considerable trouble. Why do you think it should be done? Because there is a fundamental principle involved: freedom of political expression — for everyone at MIT, not just the eight students involved.

The political expression involved here may have seemed disorderly, unproductive and unpleasant to some. But that is precisely the sort of expression the First Amendment was intended to protect. When the authors of the Bill of Rights guaranteed the freedom of the press, they were not thinking of a fair press that always got its facts straight and gave equal time to everyone. The press of the time was scurrilous, filled with libel and rumor. Nevertheless, the Constitution guaranteed its freedom. The fundamental principle is clear: in American life, a disorderly ferment that is full of ideas should always be preferred over an orderly calm where ideas are stifled.

This is especially true at a university: a university should be a center for ideas of all kinds, a place where debate and dissent is not only tolerated but welcomed. Students, in the fullness of youth, should be exploring the moral and ethical world around them; if that exploration leads to disorder, or proceeds in ways that others consider counterproductive, so be it. To stifle such dissent is to endanger the fundamental purpose of the university.

And stifling legitimate dissent could well be the result if the charges are not dropped. The prospect of being arrested, spending time in jail, paying substantial fines and being placed on probation is undeniably a deterrent — even to legitimate, non-violent protests. That is a very serious issue. It is not simply a matter of the eight students involved in this specific case; it strikes to the heart of political and academic freedom for everyone at MIT. On matters of freedom of speech, the arrest of a few threatens the rights of everyone.

Again, the money that would be involved in settling this matter is negligible, but the principle involved is the very life of ideas, which is the life of the university.

Matthew G. Bunn G

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

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

Letters to the Editor are welcome. They should be addressed to *The Tech*, PO Box 29, MIT Branch, Cambridge MA 02139, or by interdepartmental mail to Room W20-483. Letters should be typed and bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. *The Tech* reserves the right to edit or condense letters. We regret we cannot publish all of the letters we receive.

Did you attend the

DOWN AVENUE

party at Next House? If so, and you happened to witness the arrest of the band manager, please contact Ann Strayer at the law firm of *Silvergate, Gertner, Baker, Fine & Good* (617) 542-6663

All responses will be confidential.

PHYSICS OPEN HOUSE

Freshmen and Undesignated Sophomores are invited to explore the possibilities offered when majoring in physics, at this annual event. Information will be available on curriculum, departmental divisions, Society of Physics Students, Sigma Pi Sigma (Honor Society) and UROP. Faculty and present physics majors will be on hand to discuss options and opportunities.

REFRESHMENTS

TUESDAY

APRIL 8

3:30 PM

4-339

The MIT Musical Theatre Guild presents
Tech Show '86

DIAMONDS IN THE ROUGH

AN ORIGINAL MUSICAL COMEDY

April 4, 5, 11, 12 8pm

Sala de Puerto Rico
MIT Student Center
8+ Mass. Ave., Cambridge

Tickets: \$3 MIT students (with ID)
\$4 senior citizens & students
\$5 MIT community
\$6 general admission

Information & reservations 253-6294

Exercise Your Mind on a beautiful campus this summer

Join our friendly, relaxed community of students of all ages to prepare for college, further your degree studies, advance your career, or simply to make your life richer.

Over 200 courses in 41 academic areas:

- Social Sciences
- Engineering
- Humanities
- Sciences
- Arts

Special Programs:
High School Juniors and Seniors • Teachers (scholarships available) • Late afternoon and evening courses

Scenic suburban campus just 4 miles from downtown Boston, easily accessible by train and bus.

Session One: May 20 - June 27
Session Two: June 30 - August 5

For more information:
Summer Study, 112 Packard Ave.
Tufts University, Medford,
MA 02155 • 617-381-3592

TUFTS
SUMMER
SCHOOL

Courses you want! Courses you need!

Please send a Summer School catalog to:

TUFTS
UNIVERSITY

Name _____

Address _____

City _____ State _____ Zip _____

S08



Manseur's
your IMAGE is our career

Hair & Skin Care Salon

"THE BEST CUTS IN BOSTON"

Appt. & Walk-in
231 Newbury Street

536-1605

Offers valid with all stylists
except owners & selected stylists

\$9.00 Special

w/this ad or 15% Disc.

9 am-12 noon, Mon-Thurs

thru 5/30/86

What if you don't get into the grad school of your choice?

Of course, you may get into another school, but why settle? Prepare for the LSAT, GMAT, GRE, MCAT or any grad school entrance exam with the best test prep organization—Stanley H. Kaplan.

For nearly 50 years, Kaplan's test-taking techniques have prepared over 1 million students for admission and licensing tests of all kinds. So call. Why go to just any grad school, when you can go to the right one?

KAPLAN

STANLEY H. KAPLAN EDUCATIONAL CENTER LTD.

DON'T COMPETE WITH
A KAPLAN STUDENT—BE ONE

Don't take chances . . .
Take Kaplan!
The first choice in Test Preparation.
Classes forming for June LSAT, GMAT, GRE.

Cambridge 661-6955
Boston 482-7420
Newton Centre 244-2202

ARE YOU THE ONLY
PERSON WHO DOESN'T
KNOW ABOUT....

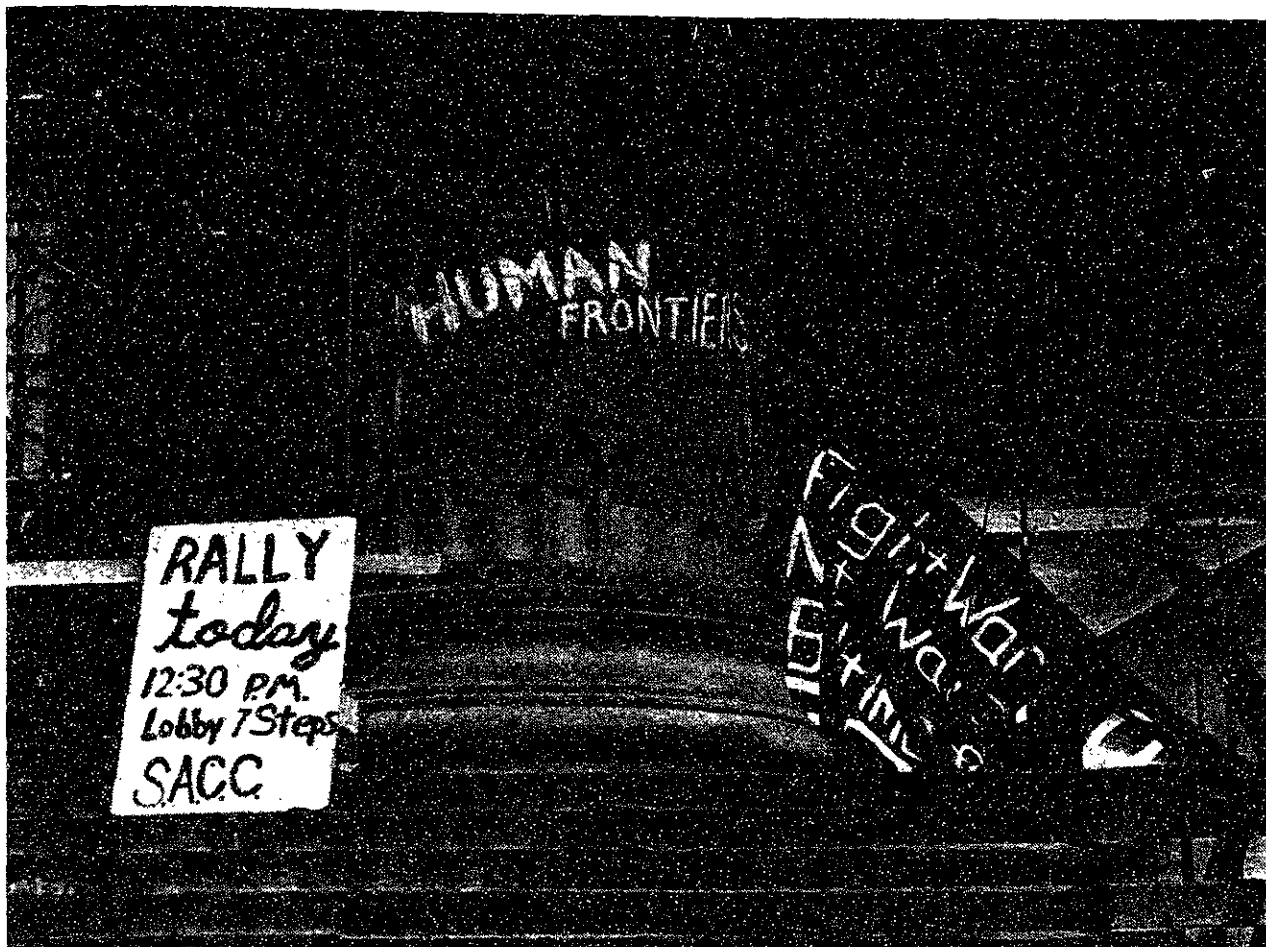


THE 1985-86 WRITING PRIZES?

APPLICATIONS
& GUIDELINES:

WRITING PROGRAM OFFICE,

14E-310.



Tech photo by David Hamilton.

The site of yesterday's anti-SDI rally outside Building 7.

Students, faculty oppose SDI work

(Continued from page 1)

yourself." Katherine Magraw G said it is impossible to accept SDI funding and remain neutral about SDI. "The truth is you, and MIT, are taking a stand whether you want to or not," she said.

President Paul E. Gray '54 has repeatedly asserted that MIT should not take an institutional position on SDI.

The fact that scientists at MIT are willing to do SDI research can be used to argue for SDI's feasibility, Magraw said.

Magraw argued against the belief on the part of some researchers that circulating anti-SDI petitions hurts the integrity of academic institutions. "The integrity of academic institutions has already been threatened [by military research]," she said.

Wayne O'Neill, professor of linguistics, noted that in his area of research, "it's difficult to get dollars except from the Defense Department." Funding comes

from the Strategic Computing Initiative, which is trying to develop advanced speech recognition systems, he said.

Bachrach speaks at rally

(Continued from page 1)

in the military budget. Carla Johnston, a Cambridge attorney, has long been an anti-nuclear activist.

Melvin H. King, an MIT adjunct professor of urban studies,

"Whether we spend millions of dollars on weapons, or millions of dollars on the contras, the priorities are wrong," he said.

Bachrach speaks at rally

will appear at tomorrow's rally. The former state representative has called for cuts of up to \$100 billion in the defense budget. James Roosevelt, a local attorney who is also seeking election to the 8th CD seat, is also scheduled to speak at the 12:30 event.

LOUSY PAY, GREAT BENEFITS
The Tech

Camping and Backpacking Equipment at the Lowest Prices

- Fatigue Pants \$12.95
- Levi's
- Lee's
- White and Blue Painter's Pants \$13.95

Central War Surplus
433 Mass Ave
Central Square
Cambridge

NEW IN CAMBRIDGE

MANDALAY
BURMESE RESTAURANT

Lunch Dinner Take-out
For A Southeast Asian Treat

143 FIRST STREET, CAMBRIDGE, MA., 876-2111

Across Lechmere Ample evening street parking. Reservations suggested.

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 Russian, East European languages and many others 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 Ms. Desormeaux 864-3900

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

NEW 星星
HSING HSING
RESTAURANT
Mandarin & Szechuan Taste
COCKTAILS

TAKE OUT SERVICE

20% off DINNERS \$5.00 or more
except Friday and Saturday
Served from 5 pm to 10pm
Luncheon Special starting at \$2.25 served from 11:30 am to 5 pm

548 Mass. Ave. Cambridge, Mass. (617) 547-2299

SAVE \$750-!
LOWEST PRICE EVER*
ON THE AMAZING

AMIGA

*ONLY POSSIBLE WITH COLLEGIATE I.D. SUGGESTED MANUFACTURER PRICE

CPU	\$ 795.00	\$1295.00
Color MONITOR	\$ 345.00	\$ 495.00
512K BYTE RAM EXPANSION	\$ 95.00	\$ 195.00
CLUB COMPUTER SPECIAL	\$ 1235.00	CASH PRICE 1985.00

Join The Club And Get An Additional **25% BONUS DISCOUNT**
On All Commodore Amiga Products Purchased With Package

CLUB COMPUTER

12 Mifflin Place, HARVARD SQUARE, Cambridge
876-6000

Authorized Sales and Service Center For:
Leading Edge • Epson • Panasonic • Sanyo • Zenith • Amiga • NEC • Toshiba

Free 2 Hour Parking at University Place Garage
TM Amiga is a trademark of Commodore-Amiga, Inc.

LESBIAN? BISEXUAL? GAY?
? **SEXUALITY** ?
PROBLEMS, QUESTIONS, INFORMATION

The GAMIT (Gays at MIT) contact line is now staffed during the following hours. If you have questions, or need information on gay and lesbian issues or problems, or if you simply need someone to talk to about your sexuality, call us at 253-5440. Or better yet, stop by our lounge (50-306, Walker Memorial) and talk to our trained staff members in person.

Sundays 8:00pm - 10:00pm
Monday - Thursday 7:30pm - 10:00pm

The phone is also staffed during other hours and during all GAMIT events.

**A
FAR
AWAY
PLACE**



**IS
NEAR
YOU**



**Boston
Zoological
Society
442-2002**

Zoomobile
Franklin Park Zoo
Walter D. Stone Memorial Zoo
This space donated by *The Tech*

MACSAC

Macintosh Carrying Case
\$25.00 — Seconds/Direct From Factory
Saturday, April 5, 11:00—5:00
33 Willow Ave.
Cambridge/Somerville line
5 minute walk from Porter Square
ComputerAid, Inc.
P.O. Box 293
Barrington, R.I.
401-245-0532

**Koby
Antupit**
PHOTOGRAPHERS

Creative Portraits
Instant Color Passports
Resume & Publicity
Restorations
Harvard Square
8 John F. Kennedy St.
Cambridge
547-7552

Economics Department
Freshman Open House
Wednesday, April 16th

3:30 — 5:30 pm
E51-332
All undergraduates welcome.
Come meet our faculty,
undergraduate majors and graduate students.
Refreshments served.

**GRADUATES
CALL
1-800-457-4065
FOR \$400 AND
PRE-APPROVED
CREDIT ON A
NEW FORD**

**It's Easy To Qualify
For \$400 from Ford
Motor Company**
■ You must receive at least a bachelor's degree or a state RN license between October 1, 1985 and September 30, 1986.

**For Pre-approved
Credit from Ford
Credit**
■ You must have verifiable employment that begins within 120 days of your qualifying vehicle purchase at a salary sufficient to cover ordinary living expenses and your vehicle payment.

■ Your credit record, if you have one, must indicate payment made as agreed.

■ And don't forget... you must receive at least a bachelor's degree or a state RN license between October 1, 1985 and September 30, 1986.

**These Vehicles Are
Included In The Plan**
Ford: Escort, Escort EXP, Tempo, Mustang, Thunderbird
Mercury: Lynx, Topaz, Capri, Cougar
Ford Truck: Aerostar, Bronco II, Ranger, F-150 & F-250

You are eligible for \$400 even if you don't finance your purchase. Use it toward your down payment or get a check from Ford after the purchase or lease.

The amount of your pre-approved credit is determined by the qualified vehicle you buy.

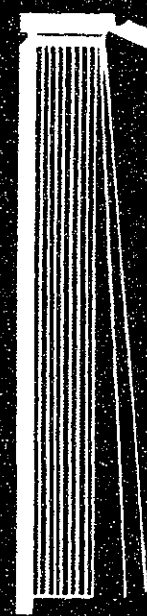
If a vehicle is not in dealer stock, it must be ordered by June 1, 1986. Delivery of all vehicles must be taken by August 31, 1986.

For complete details on how to get your \$400 plus pre-approved credit, call the toll-free number today.

1-800-457-4065



The MIT Press
**CLEAR
ANCE
SALE**



now in progress at
The MIT Press Bookstore

Kendall Square ■ 292 Main Street ■ Cambridge ■ 253-5249 (MIT E-38)
visa/mc phone & mail orders welcome

Save up to 80% on hundreds of titles!
Sale ends June 30, 1986

ARTS

A celebration of harmony and elegance

ALEXANDER CALDER: ARTIST AS ENGINEER

Bakalar Sculpture Gallery,
Wiesner Building (E15),
through April 13.

By MICHEL BOS

GENTLE WHISPERING fills the Bakalar Sculpture Gallery, as Alexander Calder's Mobiles slowly and graciously dance to the currents of the air. Shadows on the walls reflect their movements in perfect counterpoint. Playful shapes and vivid primary colors enliven the solemn cadence.

The author of this beautiful ballet was one of the main sculptors of this century; hence his inclusion in a series of exhibitions which have already featured Henry Moore and Jacques Lipshitz. An engineer by education, Calder displayed great innovative skills in the constructional aspects of his output. This applies in particular to the kinetic sculptures which form the body (though by no means all) of his work.

The idea of introducing movement in sculpture did not originate with Calder. It was just one among countless new pathways being investigated in the cauldron of creativity that was Europe in the 'twenties, in Paris as well as in Bauhaus circles. But it was Calder who first made it the animating principle of a complete and compelling *oeuvre*. It was he, moreover, who developed the tentative aestheticism of most early experiments in the field into an elaborate artistic discourse, a meditation one might properly call cosmic.

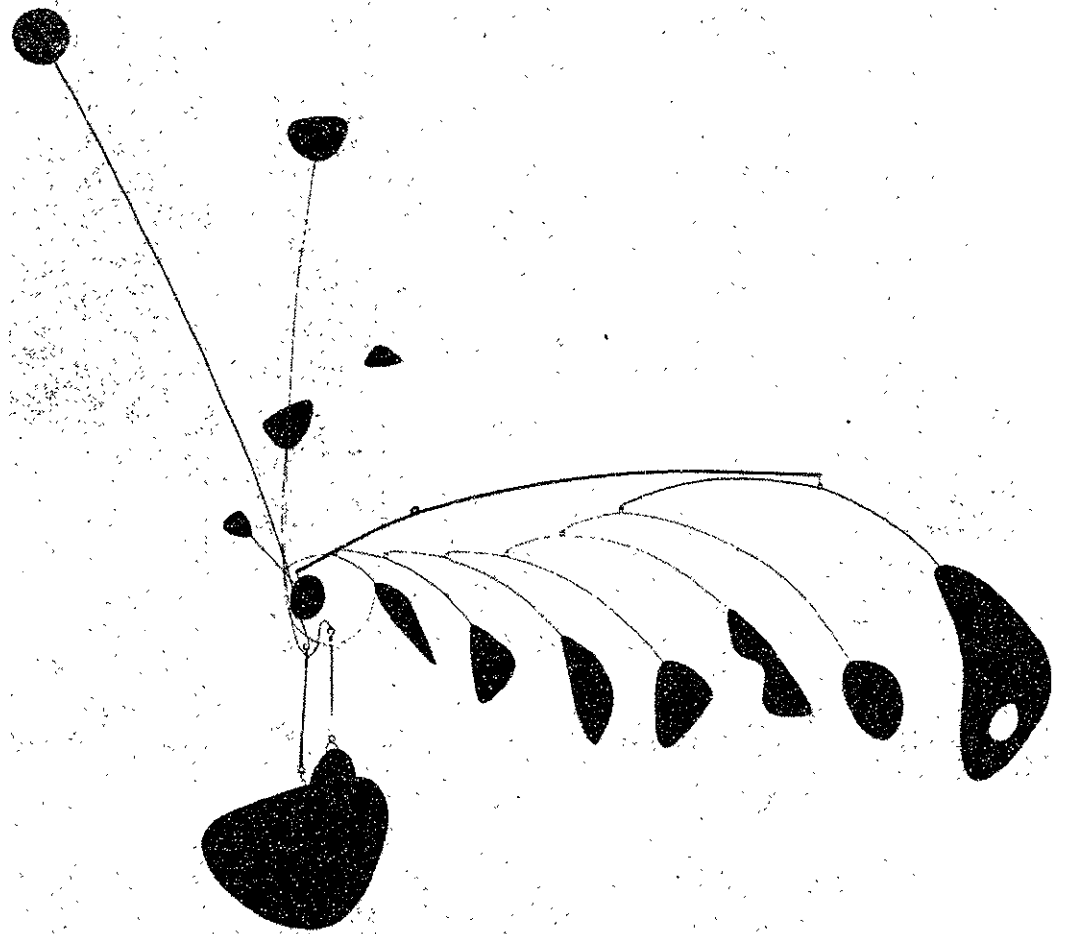
To the Greeks, *kosmos* meant the world seen as the orderly arrangement of beings. It referred to the stability and harmony ruling and underlying all motion and change. To this *kosmos*, Calder's art is a hymn. It evokes its reality in the representation of phenomena which eminently summarize and symbolize its presence.

For time immemorial the movements of the heavens were considered the ultimate manifestation of world order. Imagery inspired by them is most extensive in Calder's work of the 1930s, in keeping with the general enthusiasm for astronomy of the time. Spherical shapes and periodic motion are characteristic of this early phase, and a keen sense of geometry transpires. Given Calder's engineering background it is not surprising to occasionally encounter a certain mechanistic attitude in his work, as exemplified by the 1932 *Dancing Torpedo Shape*; a motor-driven moving construction of spherical, square and tubular objects connected by metal rods, it is reminiscent of the 18th-century conception of the Universe as a giant clock (with God as the supreme watchmaker).

But Calder's development soon abandoned astronomical metaphors, and drew closer to the living world. Rather than a stability based on mathematical or physical laws, it turned to what might be called the organic form of order — the sense of a collection of disparate parts working together toward a single goal. The ordering principle here is teleological, rather than geometrical in nature. It manifests itself most dramatically in those structures in which coherence is most tenuous, the balance of forces most subtle. Thus, paradoxically, the constrained harmony of Calder's earliest art metamorphoses into an evocation of elegance and play.

It is in this domain that Calder was most at his ease. Works like *Horizontal Spines* (1942), *Rouge Ordinaire* (1969) or *Balancing Whites* (1970) suggest flying birds, swimming fish, rustling leaves or crawling snakes. Delicate but never precious, they swirl, sway or undulate in eloquent testimony to Nature's rhythm and beauty.

In his later years Calder invested considerable efforts in his monumental Stables, of which MIT's *Great Sail* is a good exam-




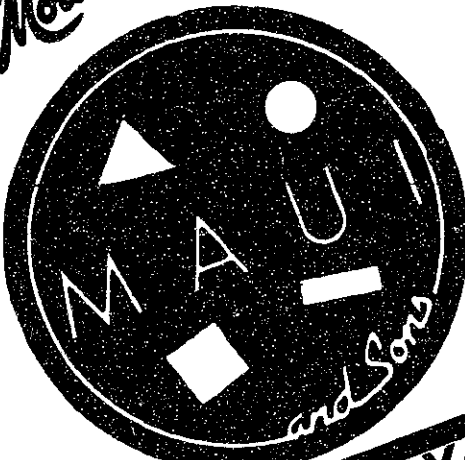
Wellesley College Museum of Art


Calder's *Model for Museum of Modern Art Mobile* (1937-8)

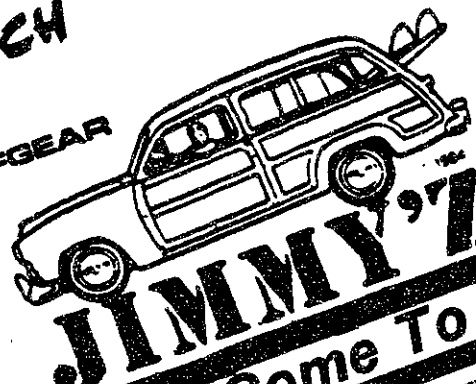
ple. There is of course nothing of the sort in this exhibition — a fact somewhat detrimental to the overall picture emerging from it, as Calder tended to make his more extroverted, grandiose statements precisely in this field. But the 1950 *Bifurcated Tower* with its airy frame of colored metal rods reflects the Stables' meticulous exploration of static equilibrium.

Indeed, it is fortunate for the current

show that most of Calder's designs (contrary to those of Henry Moore, the previous subject at the Sculpture Gallery) achieve their aims irrespective of the scale at which they are realized. Rather communicative among each other, they are well-integrated here and well-displayed. Diverse yet united, the present ensemble is truly a section of being, a mirror of the world, a Microcosm.






Before You Go To The Beach Come To Europa

Europa for Break!

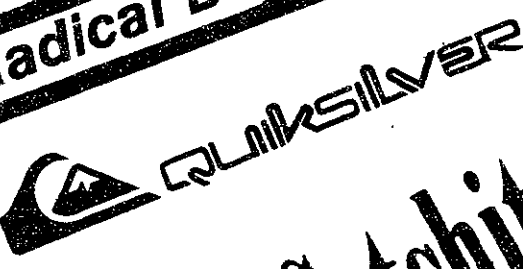
Largest Selection Of Radical Beachwear In The East

Jams


CALIFORNIA PROLINE



Raisins



Catchit

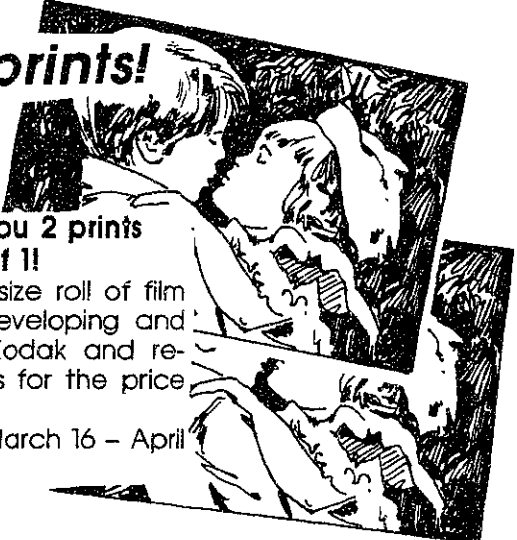


10% off all Active Wear
 with this coupon & M.I.T. I.D.
 Europa Windsurf
 215 Newbury St., Boston (Near Exeter)
 536-7620
 7 Upland Rd., Cambridge
 (Red Line Porter Sq. T Stop)
 497-0309
 expires May 15, 1986

free prints!

Kodak gives you 2 prints for the price of 1!

Bring in any size roll of film for quality developing and printing by Kodak and receive 2 prints for the price of 1. Offer good March 16 - April 5, 1986.



HARVARD COOPERATIVE SOCIETY



Available at Harvard Square, M.I.T. Student Center, One Federal Street, Downtown, and the Coop at Longwood, 333 Longwood Ave., Boston. Harvard Square open Mon-Sat, 9:20-5:45pm, Thurs till 8:30. Coop Charge, MasterCard, Visa and American Express welcome.

Apartments, Houses, Rooms, Furniture, Bungalos, COTTAGES...

to....

Rent, Buy, sell, Sublet, Housesit, Plantsit TRUCK, Store, Move, Lease, Let... for the summer?

Advertise in **HOUSING**

a free supplement to the Harvard Crimson

April 9

Classifieds: \$10.00/30 words
Call 495-7890 by April 6



MasterCard and Visa welcome



We're moving to expanded new offices in Hopkinton this summer. Join us now and help us grow!

MP Video is a leading designer/manufacture of advanced-technology specialty video products for medical, scientific and industrial applications.

Video Circuit Design Engineer

We have a challenging opportunity for a motivated professional to perform video circuit design and assume responsibilities for projects. Reports to the vice president of Engineering.

Position requires a BSEE and 5 years of experience in analog video circuit design; digital video circuit design desirable. Familiarity with NTSC and PAL encoded video is highly desirable.

Test Supervisor

We seek a motivated Test Engineer with strong supervisory experience to oversee our test department. This position also requires developing test methods and specifying test equipment needs. Responsibilities involve meeting all test schedules and increasing and maintaining department productivity and efficiency. Supervision of department technicians will include performance reviews and staffing.

This position requires a BSEE, BSIE, or related degree, and a minimum of 3 years' analog testing and troubleshooting in a manufacturing environment. The successful candidate will also possess 2 years' experience supervising technicians in a medium to high volume manufacturing test department.

We offer competitive starting salaries with a comprehensive, 100% company paid benefits package, which includes profit sharing. Qualified candidates should send resumes to Roberta Prenowitz, or call 655-3311 or 965-5405.

MP Video

3 Huron Drive, Natick, MA 01760

an equal opportunity/affirmative action employer m/f

LOCAL 26 WOULD LIKE TO:

THANK ALL SUPPORTERS



MIT FOOD SERVICE WORKERS. Shiva Ayyadurai '86 from the MIT Coalition Against Apartheid (front) congratulates Tatiana Mazur, a thirty year Food Service Worker.

Because of the unity of the Food Service Workers, and the support from students, community organizations, religious groups, and local politicians, we have won a guarantee of job security and our union contract for all workers no matter what catering company runs MIT food services.

However, our goal will not be complete until we are guaranteed our rights to continue the benefit structure and pension we have built over the years with MIT. We are still a strong part of the MIT community.

We are a proud part of the MIT Coalition Against Apartheid. We pledge our continued support for complete divestiture, increased minority enrollment and greater financial aid. We firmly believe that justice for Local 26 members cannot be separated from the struggles for justice of working men and women everywhere. We have and will continue to be on the frontlines of the Free South Africa Movement.

We encourage and invite you to continue expressing your interest and support for MIT food workers. For further information please call Local 26, 423-3335.

(paid Advertisement)

WANTED

Student or organization to assume responsibility for promotion and distribution of the **New York Times** at M.I.T.

Approximately 9 hours per week.

Potential \$200.00 plus per week.

Call Mike
at 603-432-5805

Get out on the town. . . with *The Tech's* Performing Arts Series

ENGLISH BAROQUE SOLOISTS

All-Mozart concert

John Eliot Gardiner will lead the English Baroque Soloists in Mozart's Symphony No. 29 and Mozart's Piano Concertos K. 271 and 414 with Malcolm Bilson soloist on the fortepiano. The fortepiano has a highly-efficient damping mechanism, which results in a crisper sound quality. If you've never heard Mozart on the fortepiano, bothg the clarity and depth of Bilson's performances will be a revelation. Sanders Theatre, April 6 at 8pm. *MIT price: \$6.*

MUSEUM OF FINE ARTS

Museum joins Performing Arts Series

We are delighted to announce that the Museum of Fine Arts has become a participant in *The Tech* Performing Arts Series. The Sunday concerts provide a great opportunity to spend time wandering the Museum's galleries and take in an afternoon om music too. Tickets will also be available for Thursday evening events.

American Originals

Nancy Armstrong, Daniel Stepner, and Stephen Drury will present a selection of American love songs including John Harbison's "Waiting for Someone," Amy Beach's "Rendezvous," and "Just Blues" by Coleridge-Taylor Perkinson. The second half of the concert will include Ives' *Violin and Piano Sonata No. 4*, "Hawthorne" from the *Concord Sonata*, and classic songs such as "Old Home Day," "Memories," "The Things our Fathers Loved," and "Shall We Gather at the River." Museum of Fine Arts, Remis Auditorium, April 6 at 3pm. *MIT price: \$6.*

Tapestry

Sopranos Judith Nelson, and Anna Carol Dudley, actress and dramatic narrator Rella Lossy, and harpsichordist Laurette Goldberg will present musical and dramatic impressions of 18th century Germany and England. Music of Bach, Handel, Haydn and Mozart will be performed. Rella Lossy's narration will feature historical anecdotes and dramatic pieces of Jonathan Swift, Pollnitz, a "critic" reviewing J. S. Bach, and a descriptive letter from Leopold Mozart, writing from London. Museum of Fine Arts, Remis Auditorium, April 17 at 8pm. *MIT price: \$6.*

Boston Museum Trio

The Museum of Fine Arts' resident trio, the **Boston Museum Trio** — Daniel Stepner, baroque violin, John Gibbons, harpsichord, and Laura Jeppesen, viola da gamba — present a program of music from the French baroque with tenor **Frank Kelly**. Museum of Fine Arts, Remis Auditorium. May 4 at 3pm. *MIT price: \$6.*

Tickets will be sold by the Technology Community Association, W20-450 in the Student Center. As opening hours are currently a bit sporadic, please call before you come. If nobody is in, please leave your order and your phone number on the TCA answering machine at 253-4885. You will be called back as soon as possible.

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

Get Out on the Town with
The Tech Performing Arts Series. . .!

free catalog★



	from Boston	round trip from
BRUSSELS		398
AMSTERDAM		418
from NYC	ATHENS	472
from NYC	MUNICH	498

Eurail Passes, Int'l Student ID, AYH Membership all issued on the spot!!

★ call our campus hotline!

876-4825 when busy 497-1497
or drop by
1384 Mass. Ave, Harvard Sq, Cambridge

Council Travel Services

1986-1987 STUDY ABROAD PROGRAMS

Sponsored by
State University of New York at Oswego

SUMMER 1986

France (6 wks/St Malo) 6/24-8/3
\$1550 French Lang. & Culture [6-7 credits]
Two weeks in Paris followed by four weeks of continued study and family homestay in St. Malo, the "Emerald Coast of Brittany." Excursions, including the Arthurian Country, the Druids, and the Isle of Jersey. Cost includes roundtrip airfare, ground transportation, room in Paris, room & full board in St. Malo, excursions and activities, and Int'l Student ID Card.

Spain (6 wks/Madrid) 7/6-8/14
\$1395 Spanish Lang. & Culture [6-8 credits]
Classes and guest speakers four days a week, topped with weekend excursions to cities such as Segovia, Toledo, Sevilla, and Granada. Get to know Spain through many cultural activities: theatre, museums, bullfights, and flamenco dances. Cost includes roundtrip airfare, ground travel, room and board, Int'l Student ID Card, and all cultural activities.

England (6 wks/London) 6/29-8/10
\$1295 Contemporary British Culture [6 credits]
Meet 4 days a week for classes, go on field trips, observe and critique plays, attend the Shakespeare festival, and explore more of the UK in your spare time. Accomodations are centrally located within walking distance of Hyde Park, theatres, and museums. Cost includes rountrip airfare from NYC, 6 weeks room with full breakfast, field trips, and cultural events.

Jamaica (3 wks) 5/20-6/9
\$1060 Modern Jamaica [6 credits]
Study modern Jamaican history, politics, and socio-economic structure with special emphasis on African culture while in a West Indian paradise! Visit historical and cultural sites, and observe famous areas of stunning natural beauty. Program cost includes rountrip airfare from NYC, ground transportation, accomodations, field trips, and Int'l Student ID Card.

Semester or Year 1986/87

London/England (Fall: Sep-Dec/Spring: Jan-June)
\$2400/semester - Humanities and Broadcasting
Humanities students choose from art, histroy, music, English, & theatre courses and attend Shakespeare festival. Int'l Broadcasting students gain perspective of British media via classes, excursions, & guest lectures. Students are housed in central London. Cost includes roundtrip air NY to London, room & full breakfast, field trips & cultural events, & Int'l Student ID Card.

Paris, France (Fall: Oct-Jan/Spring: Feb-June)
\$2400/semester
Courses are given at the prominent Sorbonne and Institute Catholique de Paris. 12 credits minimum are taken from several disciplines: humanities (language), economics, business, social sciences, cinema, etc. Students live in the Latin Quarter of a city rich in cultural opportunities. Cost includes roundtrip air NY to Paris, room, field trips & cultural activities, Sorbonne & Institute fees, & Int'l Student ID Card.

University of Puerto Rico (Rio Piedras Campus)
(Fall: Aug-Dec/Spring: Jan-May)
\$1950/semester [no tuition for SUNY students]
Studies in all fields of liberal arts and humanities. Participants should have 5 semesters or equivalent in Spanish (summer "pre-program" in Rio Piedras available to help meet proficiency.) Room in UPR residence halls. Cost includes rountrip airfare NY to S. Juan, room & board, texts, cultural events, & personal expenses.

Beijing, China
\$2200/semester
(Fall: Sept-Jan/Spring: Feb-June)
At Beijing Teachers College in suburban Beijing, studies in Chinese language, literature, culture, history & art are constructed in English. The Great Wall and Ming Tombs are only a day trip away. Program cost includes room & board, field trips & cultural events, texts, and Int'l Student ID Card.

Mail coupon to: Director of International Education/102 Rich Hall/SUCO/
Oswego, New York/13126

Please send program brochure to:

Name _____

Street or PO# _____ Apt. # _____

City _____ State _____ Zip _____

Program of interest: _____

I am a student at: _____

I heard about your program from: _____

All program costs subject to change with notice.
High school jrs. & srs. may attend summer programs
for college credit.
Application deadline May 1, 1986.
Late applications considered if space available.

Many foreigners earn PhDs

Feature

By Meredith L. Dear and Thomas T. Huang

Engineering students who earn their doctorates at American universities are now more likely to come from other countries than the United States.

The nation's universities awarded more than half of their engineering PhDs to international students last year, according to the December 1985 *Harper's* magazine.

At MIT, the percentage of engineering doctorates earned by foreign students falls below the national average. Foreign students earned 41 percent of MIT's engineering doctorates last year, according to an MIT graduate school report. Over the past ten years, this percentage has fluctuated between 35 and 46 percent.

This increase in the number of doctorates awarded to foreign students comes at a time when fewer US citizens are getting PhDs. In 1970, over 2500 US citizens received doctorate degrees. That number fell over the next ten years, to nearly 1170 in 1981, according to a National Science Foundation and National Research Council report.

Back in 1960, over 75 percent of American doctorate degrees went to US citizens, compared to just under 45 percent in 1981.

At MIT, 35 percent of all PhDs went to foreign students in 1960, according to the MIT graduate school report. MIT awarded foreign students 28 percent of its science degrees, 32 percent of its humanities and social sciences degrees, and 23 percent of its architecture degrees. The Sloan School of Management awarded 61 percent of its degrees to international students.

Do they stay or do they go?

Associate Dean Jeanne E. Richard of the MIT Graduate School said that she believes that a majority of foreigners with American degrees ultimately stay in the United States, although no studies have been made on this particular aspect.

Associate Dean for Student Affairs Eugene R. Chamberlain, international students' advisor, said that economic and political factors influence a student's decision on whether to stay in the United States or return to his or her homeland after obtaining a graduate degree.

Chamberlain described the factors that affect a student's decision to stay in the United States:

- The economic situation in the United States may be better than that in the home country, he said. Many students stay in the United States because there are better jobs here, allowing them to send money home. For many,

the prospect of having a lucrative job translates into major income for family still living in the home country which would otherwise be unavailable.

- The value of a higher degree awarded from a college in a student's home country may be greater than that of a degree from the United States, he said. For example, some foreign governments require their employees to hold native degrees. On the other hand, a PhD from an American university could help a foreign student get a job in the United States.

- The political situation in the United States may be better than in the home country, he said. Job opportunities may be better for reasons of discrimination in the home country. Some students also might not want to return to their countries if they want to avoid the military draft.

- Students may get an extension of their visas if their employing firms support them, he said. Foreign students can apply for permanent residency if a company wants to employ them. It usually takes a year and a half to get the permanent residency validated.

Visa extension

Officials interview most foreign students before they enter the United States to begin undergraduate studies to determine whether the student is planning to study here or merely intending to immigrate to the United States, Chamberlain said. The student must plan to return to his or her original home address after graduation.

If the student decides to stay for practical training after getting a graduate degree, then he or she must apply for an extension of the F1 visa, which entitles the student to 12 months of time to spend in employment.

If the United States does grant the visa, the student can stay in the United States for 12 months, he said. If the firm wants to offer the student permanent employment, especially if he or she holds a doctorate, it can write to the US Immigration Bureau on behalf of the prospective employee for permanent residency in the United States. The job must have been refused by a US citizen, Chamberlain said. This process generally takes a year and a half, he concluded.

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.

Meet someone special from another school. Provide: Name, address, phone, school, major, details, \$16.50. College Romance, P.O. Box 662, Brookline, MA 02146.

Summer Sublets Wanted
Visiting profs seek furnished apts/homes 7/1-8/31. Will consider monthly arrangements. Cambridge-Harvard Sq. preferred. Call Kirsten Davis 868-3900. M-F, 9-5.

INTERNATIONAL STUDENTS: Recently Published, International Student's Handbook, A Step By Step Guide To Greencard From F/J/H Visas. For Free details send refundable \$1.00 (Postage & Handling): Immigration Publications, Dept-F7, P.O. Box 515991, Dallas, TX 75251.

LOST - Wednesday, March 12 in lobby 10, a set of pencil on vellum architectural drawings, rolled up. Contact Cynthia Solarz, Hubka Studio, 4th Floor Building 7, 253-5078, or leave at 4th Floor Building 7 Coffee-house.

Reserve your caps & gowns!!

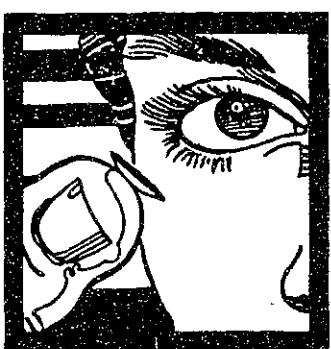


June's right around the corner! Reserve your cap and gown now with a refundable \$5 cash or check deposit at the following Coop locations:
Tech Coop: General Cashier's Office

	Cap & Gown	Hood
Bachelors	\$14	\$14
Masters	\$15	\$15
Doctoral	\$16	\$16

Harvard Square open Mon-Sat 9:20-5:45pm, Thurs till 8:30
Coop at Longwood open Mon-Fri 9:15-7pm, Thurs till 8:30, Sat 9:15-5:45pm
Business School Coop Mon-Fri 8:45-5pm

HARVARD COOPERATIVE SOCIETY **the Coop**



SAVE 35% TO 65% ON REPLACEMENT SOFT CONTACT LENSES

Replace Lost, Damaged, or Discolored Lenses at a Fraction of their Original Cost!

- *Daily Wear Lenses**
 - Arnsolf
 - American Hydron
 - Asoft
 - Bausch & Lomb
 - Cibasoft
 - Durasoft

\$41.93 pair
- *Tinted Lenses**
 - Bausch & Lomb Natural Tints
 - Cibasoft Colors

\$63.97 pair
- *Extended Wear Lenses**
 - AO Softcon \$57/pr.
 - Bausch & Lomb \$45/pr.
 - CooperVision Permalens \$67/pr.
 - CSIT \$97/pr.
 - Durasoft 3 \$57/pr.
 - Genesis 4 \$55/pr.
 - Hydrocurve \$87/pr.

IF YOUR BRAND IS NOT LISTED HERE, SEND A COPY OF YOUR PRESCRIPTION AND WE WILL SEND YOU A QUOTE

Date _____

Dear Doctor
Please send me a copy of my latest soft contact lens prescription. Please complete this and mail it as soon as possible. Thank you very much.

Patient Signature

Brand _____ Base Curve _____ Type _____ Power _____
R _____

Diameter _____ No. _____ Water _____ OZ _____ Color _____
R _____

Daily Wear
 Extended Wear

Fitter's Signature

All lenses guaranteed first quality, and are supplied in the original factory sealed vials.

- FOLLOW THESE 5 EASY STEPS**
- 1 Acquire your complete contact lens prescription
 - 2 Complete the order below
 - 3 Make check, money order or complete credit card information payable to CLS, inc
 - 4 Enclose name, address & phone number with order
 - 5 Mail all information to:

Contact Lens Supply, Inc.
30650 Cartier Rd.
Cleveland, Ohio 44139
216/248-2416
"Contact Lens Suppliers for 25 years."

Please send _____ pairs at only _____ a pair. MIT

- Total for lenses _____
- Shipping & Handling 2.00
- Total _____

I have enclosed total payment in the following manner:
_____ check _____ money order
_____ VISA _____ MasterCard

(Personal Checks must be cleared prior to shipment)

Charge Acct. No. _____
Expiration Date _____
Signature _____

*No single lens orders please.
*We will keep all prescriptions on file for reorders.
*90% of the lenses ordered are in our inventory and ready to be shipped in 24 hours.

CIVIL ENGINEERING FRESHMAN OPEN HOUSE

Wednesday, April 9th
2:00 — 4:30 pm
Bush Room 10-105

Refreshments will be available
Come and talk with faculty and students about programs in Civil Engineering

ATTENTION SENIORS POSITION AVAILABLE IN THE ADMISSIONS OFFICE AS AN ADMISSIONS COUNSELOR

The Office of Admissions is now accepting applications for the position of Admissions Counselor. This is a one year full-time position beginning in July, 1986 (some flexibility is possible). Duties will include:

- conducting questions and answer sessions
- interviewing prospective applicants
- visiting secondary schools
- coordinating MIT student involvement in admissions
- reading applications
- participating in admissions committee decisions

Applications for this position are available from Lynne Gemma in the Admissions Office (3-108) and should be returned to her no later than April 4, 1986.