

The stage is set for commencement.

Tech photo by Omar S. Valerio

MIT graduates 1616 today

By Diana ben-Aaron

MIT today holds its 117th commencement exercises at 10am in Killian Court, conferring 1761 degrees on 1616 students.

Today's presentations raise the total number of degrees awarded by the Institute since its founding in 1861 to more than 100,000. Helmut Schmidt, former chancellor of the Federal Republic of Germany, will deliver the commencement address. Schmidt is the second commencement speaker from outside the Institute since 1963.

The academic procession begins at 9:45am as dignitaries, members of the faculty, and graduates march toward Killian Court. A brass ensemble conducted by Herbert Philpott and the John Oliver Chorale will provide music during the procession, beginning with "Killian Fanfare," written for the occasion by Hilton C. Russell '83.

Schmidt's address is scheduled to begin at 10:30am. He indicated plans to speak on disarmament, nuclear force deployment, and international economic com-

petition. The Class of 1983 will present its class gift and President Paul E. Gray '54 will address the graduates following Schmidt's speech.

The deans of MIT's five schools will read the names of the graduates as Gray presents the degrees beginning at 11:15am. MIT is unusual among schools of its size in continuing to present all degrees individually in one large ceremony.

The Institute will award degrees to 837 undergraduates and 779 graduate students. The faculty approved at a meeting Tuesday recommendations for degrees made by the Committee on Graduate School Policy and the undergraduate Committee on Academic Performance. "The actual screening is done by the CAP and the CGSP and faculty approval takes 20 minutes," said Chairman of the Faculty Felix M. H. Villars.

Reverend Rudolph R. Featherstone, MIT United Ministry religious counselor, will give the invocation. The MIT Brass Ensemble and the John Oliver Chorale

will perform during the ceremony.

Over 6000 guests are expected to attend today's commencement, the fifth to be held outdoors. "It has showered on commencement, but we've never had to cancel or delay one," said Dorothy Bowe, a member of the commencement committee.

Concert receipts missing from safe

By John J. Ying

Approximately \$6500 in receipts from last month's Spring Weekend Tubes concert was stolen from the Student Center Committee (SCC) safe earlier this month.

Neither of the two people who are supposed to know the combination to the safe in the SCC's office on the third floor of the Student Center, John S. Kowtko '83, SCC chairman, nor Michelle K. Fradd, SCC treasurer claims to have seen the money since then.

MIT plans \$50M DEC, IBM system

By Barry S. Surman

MIT will begin a large-scale experiment in integrating computers and interactive graphics into its undergraduate academic program this fall, the Institute announced today.

Digital Equipment Corp. and International Business Machines Corp., the two largest computer manufacturers in the world, will provide close to \$50 million in equipment, software, service, support, research grants, and on-campus personnel over five years to launch Project Athena, a "coherent" computer network for educational applications across the Institute.

MIT has already begun seeking another \$20 million to sustain the project by funding support staff and student participation.

"Athena will integrate computers into the educational environment in all fields of study... in ways which encourage new conceptual and intuitive understanding in our students," said President Paul E. Gray '54.

"We believe we can help students learn by using personal computers and computer and computer graphics in new ways, but nobody is sure exactly how,"

said Gerald L. Wilson '61, dean of the School of Engineering. "Our experience suggests, however, that computers can aid the teaching of difficult concepts."

Digital will give the Institute over 300 terminals, personal computers, and graphics stations and 63 VAX 11/750 and 11/730 minicomputers over the next two years, and about 1600 advanced personal computers in the following three years. The five-year commitment represents the largest single gift in the company's history.

IBM will provide 500 personal computers in the next two years, and another 500 advanced single-user systems the following year. Each company will have at least five employees assigned to the MIT project.

Wilson would not reveal how much of the \$50 million each of the two companies committed to the project, explaining he wanted to avoid stressing competition between DEC and IBM, but rather encourage each to cooperate.

The Institute has "no plans to charge any of the cost of [Project Athena] to any students now," Wilson noted. Were MIT to require its students to purchase personal computers, arrangements would be made with the computer manufacturers to obtain group purchase discounts, he said, but the Institute will carry through its experiment to determine the value of computers in learning before considering such a requirement.

Students and faculty members in the School of Engineering will use the DEC systems, while those in MIT's four other schools — Architecture and Planning, Humanities and Social Science, Management, and Science — as well as all freshmen, will use the IBM equipment and software. Both will run UNIX operating systems.

"We are working very hard..." (Please turn to page 2)

GA postpones constitution change

By Burt S. Kaliski

The Undergraduate Association General Assembly deferred a motion to change the UA Constitution following a May 13 banquet which concluded its regular spring meetings.

The motion would have allowed the UA president to appoint a representative to the UA Finance Board. The constitution presently requires the UA vice president to serve as a member *ex officio* of the board.

The General Assembly passed the motion at its regular meeting April 14 by a vote of 25 to 4. Amendments to the UA constitution must be approved at two successive meetings.

UA President Michael P. Witt '84 did not invite representatives from every living group to the banquet meeting, he said, because the members had not attended previous meetings. "It's not good to do constitutional changes with only people you had invited," he joked.

UA Vice President Inge Gedo '85 does not have time to serve on the board, according to Witt. The vice president may not be financially inclined, other representatives noted.

The constitutional change would maintain a check on the Finance Board, since the UA president's appointee could not be impeached, claimed Ira M. Sum-

mer '83, floor leader of the General Assembly.

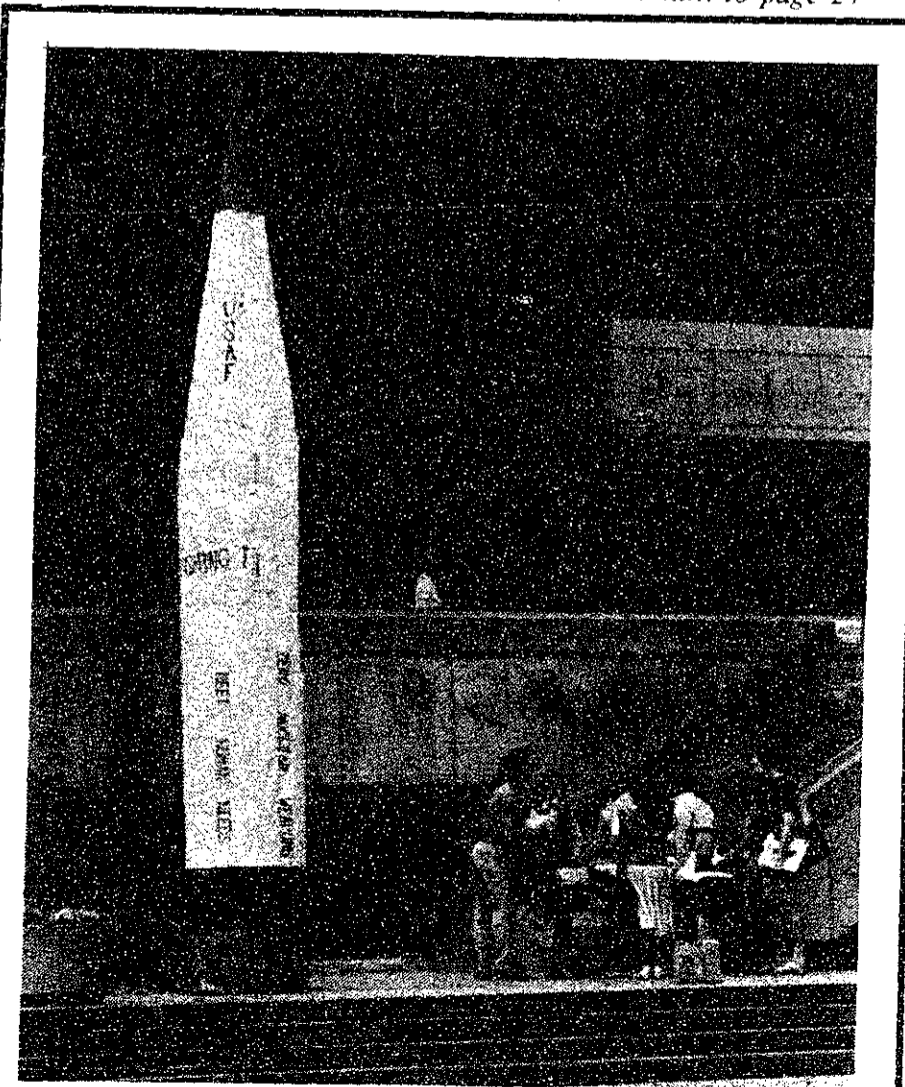
Steven E. Barber '84, co-chairman of the UA Student Committee on Educational Policy, disagreed. The Finance Board "has been operating autonomously for many years," and the appointee may not have a sufficiently strong connection with the UA president, he said.

The Finance Board should be able to remove the appointee, commented Kip Dee Kuntz '85, member of the General Assembly rules committee.

The General Assembly was unable to close discussion following Kuntz's remarks. Barber moved to close discussion and send the amendment to the rules committee, then the General Assembly voted to table the amendment.

The General Assembly also confirmed officers of its general committees at the meeting. David M. Libby '85 and Robin L. Barker '85 will serve as co-chairmen of the UA Nominations Committee. Barber and Joyce M. Whang '84 will be co-chairmen of the

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Nuclear disarmament supporters issue the green armbands to be worn during commencement.

Tech photo by Omar S. Valerio

inside

The greening of commencement discussed. Page 5.

What to do after the excitement is over, in "On the town." Page 11.

Student wage rises to \$5.25

By Burt S. Kaliski

The minimum hourly wage for MIT student employees will increase from \$4.90 to \$5.25 this fall, according to Lucy M. V. Dinin, director of student employment.

The 7.1 percent wage increase will "help students continue to be able to earn the same amount" as their student budget, she said. MIT's estimated total student budget for students receiving financial aid will increase by 9.6 percent from \$13,500 this year to

\$14,800 for 1983-84.

Students participating in the Undergraduate Research Opportunities Program will continue to earn \$4.50 per hour, Dinin noted. The MIT Libraries, dormitory desks, and Physical Plant will pay \$5.25, while dining halls will start at \$5.35, she said.

"I don't believe a five cent increase" in hourly wage for each term of employment is still in effect, Dinin said.

It's hard to say how many students are working on campus this

summer, although there has been an "enormous influx of paperwork" for summer employment, she said. Fraternities and summer dormitory areas are now full, Dinin said, which is "a little bit unusual."

"Initially the pay increase will encourage students to work on campus," she said. MIT's wages are high compared to other colleges, she continued. "We are dedicated to trying to do whatever we can to help students earn money."

MIT buys DEC, IBM computers

(Continued from page 1)

to evolve an Institute-wide common environment," Wilson said.

The program's goal is to develop "coherence" within Athena, that is, to allow users on different systems to use identical operating systems, languages, and software. Local networks of terminals, personal computers, storage devices, mainframes, and printers will, in turn, be organized into a larger network across the campus.

"This may be the largest step forward in MIT's long history of contributions to education," Gray said. "... The intensive use of computers is by no means limited to computer specialists or to engineering majors. Foreign language teachers are already exploring the use of personal computers to make learning a second

language faster and easier. And political scientists, economists, and managers are studying new ways to help them visualize dynamic models."

Instructors will redesign subjects to take advantage of the new system and participate in the experiment, Wilson said. "We've got proposals for new ways of teaching music, economics, ... political science, ... [and] physiology, proposals coming in from all over the place, not just engineering," he said. "I think it's damned exciting."

The Institute will likely offer an elective subject for freshmen, combining elements of introduc-

tory computer classes now offered in various departments, Wilson said. If response is sufficient, he said, the faculty might consider making such a class mandatory.

Project Athena differs significantly from plans announced earlier by Carnegie-Mellon University to develop with IBM a "friendly" operating system, Wilson noted. "We can't possibly do what we're doing and what Carnegie-Mellon's doing," he explained. "It's not a contest."

"We want to have resources here so that people can try things they've never done before," he said.



Tech photo by Francesco Floris
Wind surfer enjoys the warm weather on the Charles River.

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6. Obvious change in wart or mole.
7. Nagging cough or hoarseness.

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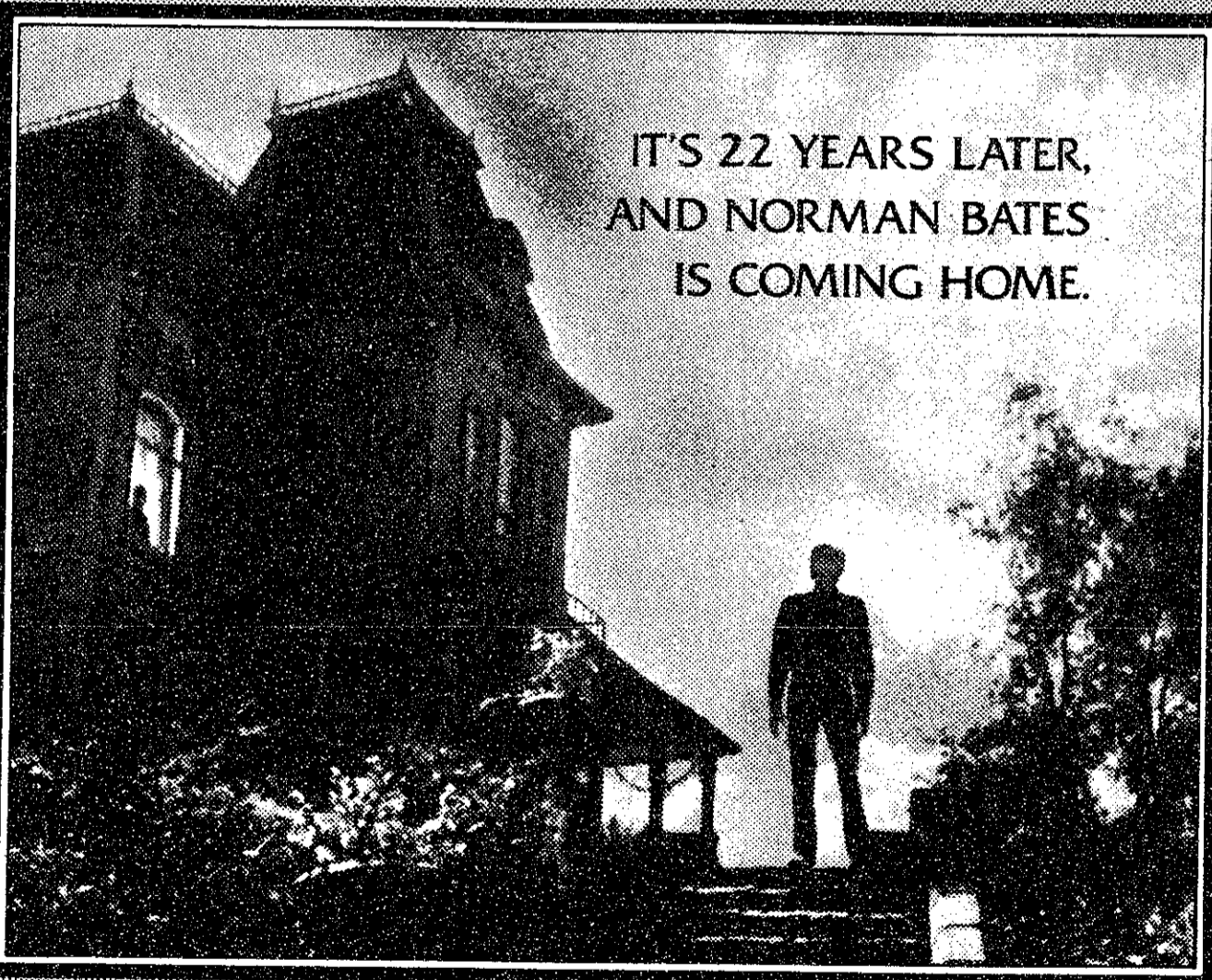
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news roundup

World

US officer killed by Salvadoran gunman — The deputy chief of security of the US embassy in San Salvador, Navy Cmdr. Albert Schaufelberger, 32, was shot in the head four times Wednesday night as he parked his car to wait for a friend on the campus of the Jesuit-run Central American University. Schaufelberger, believed to be the first American military advisor killed in El Salvador, arrived in the country Aug. 1 and directed US navy operations supporting the Salvadoran navy.

United States asks Cuba to take back exiles — The United States requested Wednesday that Cuba take back several thousand of the 125,000 exiles from the 1980 boatlift. Assistant Secretary of State for Inter-American Affairs Thomas O. Enders told the head of the Cuban Interests Section that the United States will no longer grant visas to Cubans until so-called ineligible are exiled.

Nile steamer sinks — A Nile River steamboat and two towed barges carrying 627 people caught fire and sank Wednesday in a lake behind the Aswan Dam. At least 48 people died and 254 others are known to be missing. The explosion of a butane gas cylinder reportedly caused the fire which forced passengers to jump into the crocodile-inhabited river.

Nation

House and Senate approve \$625 million for MX testing — The US House of Representatives voted Tuesday and the Senate confirmed Wednesday a plan to supply \$625 million for flight testing of the MX missile and the engineering of a basing plan for the missile. The House approved the plan 239-186, with 91 Democrats voting in favor, while the Senate gave the nod to the missiles by a 59-39 margin. The resolution does not require a presidential signature, although President Reagan strongly supports the plan.

Reagan replaces three members of rights panel — President Reagan Wednesday replaced three members of the United States Civil Rights Commission who had previously criticized the administration, but gave no reason for their replacement. The new appointees insisted on their full independence from the White House. The Senate must approve the appointments.

Local

Boston mayor will not run — Kevin H. White, mayor of Boston since 1967, announced last night he will not seek a fifth term of office in this year's election. White's videotaped announcement was broadcast on the three major local television stations and a number of radio stations at 6:55pm. The five-minutes of air time cost the mayor close to \$35,000.

Sports

Mangurian will sell Celtics — Harry Mangurian, owner of the Boston Celtics basketball team, indicated Tuesday he plans to sell the team, due to poor relations with the Boston Garden management. Despite Celtics' president Red Auerbach's efforts to convince Mangurian to stay, the owner claimed, "the main reason is I don't want to be the person who moves the Celtics out of Boston."

Weather

Keep your fingers crossed — Overcast skies with periods of rain and fog threaten today's commencement ceremonies. Temperatures today will be in the 50s. Skies will brighten tomorrow, with high temperatures reaching the middle 60s.

Roderick A. Dick
Barry S. Surman
and Burt S. Kaliski

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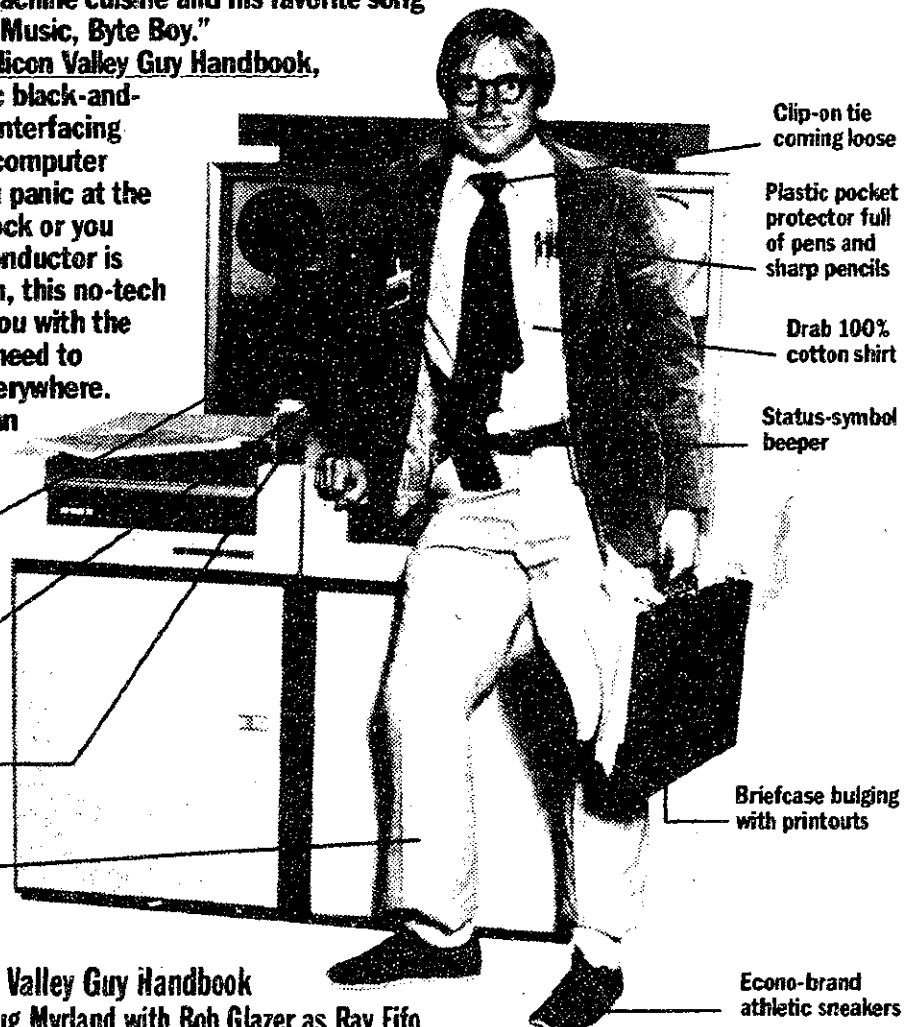
How to spot a Silicon Valley Guy

As a kid, he probably rewired the toaster to turn on the TV and his first idol was Mr. Wizard. Now, his idea of a gourmet dinner is vending machine cuisine and his favorite song is "Play that Funky Music, Byte Boy."

In *The Official Silicon Valley Guy Handbook*, you'll get your basic black-and-white look at Man interfacing with 20th century computer culture. Even if you panic at the sight of a digital clock or you think that a semiconductor is half of Andre Previn, this no-tech guide will provide you with the essential data you need to recognize SVG's everywhere.

It's got more than enough laughs to fill a total system.

ID badge
Unkempt corduroy jacket
Can of nutrient cola
Too short polyester pants with static cling



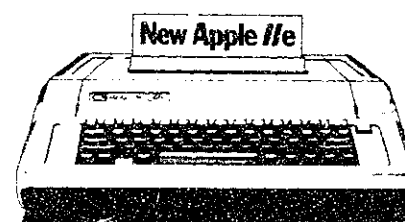
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Opinion

Editorial

Urge N-weapon negotiations

The prospect of nuclear war is as incomprehensible as it is terrifying. That both houses of the United States Congress voted decisively this week to appropriate millions of dollars for testing the MX missile is a chilling reminder of the dangerous distance separating the superpowers from an agreement to put an end to the race to build and deploy greater numbers of ever more destructive nuclear weapons. A letter drafted last fall by the MIT Disarmament Study Group proposed an end to that insane race, and two months ago that letter, bearing the signatures of over 3000 members of the MIT community, was presented to members of the US Congress;

As members of the staff, faculty, and student body of MIT we share the concern of most Americans over the accelerating nuclear arms race between the two superpowers, and over the increasing danger of nuclear weapons in the hands of other governments.

We therefore urge all members of Congress to move toward reducing the risk of nuclear war in any part of the world, and toward the eventual abolition of nuclear weapons, by accepting and implementing the following proposals.

1. The United States should vigorously negotiate, with the Soviet Union and other nations, and subject to appropriate verification: first, a mutual moratorium on the testing, production, and deployment of nuclear weapons and of missiles and new aircraft designed primarily to deliver nuclear weapons; and following that, a substantial reduction of existing weapons systems.

We accept the view of most experts, including the Department of Defense, that "the United States and the Soviet Union are roughly equal in strategic nuclear power."

2. The Congress of the United States should in the interim refrain from appropriating funds to the testing, production, and deployment of nuclear weapons and of missiles and new aircraft designed primarily to deliver nuclear weapons.

3. The United States should join the Soviet Union and other nuclear powers in declaring a mutual policy of no-first-use of nuclear weapons, in any circumstances and in any part of the world.

4. The United States should resume negotiations with other countries leading to a comprehensive nuclear test ban in accordance with the provisions previously agreed upon by the United States, the Soviet Union, and the United Kingdom.

5. The United States and the Soviet Union should work vigorously with other nuclear powers to prevent the spread of nuclear weapons to countries that do not now possess them.

Officials of this country — and of other nations in the nuclear "club" — have clearly failed to make a serious commitment to nuclear disarmament, let alone to assume leadership in the disarmament movement. Hope seems to lie only in the ability of concerned citizens to convince others of the importance and urgency of their message: Mankind and nuclear weapons simply cannot coexist.

The efforts of citizens of the world community to deliver that message must be supported fully; a demonstration of popular, international unity on this issue can be of significant influence. The stated goals of MIT community members urging participants in today's commencement exercises to wear green armbands to demonstrate solidarity with the European disarmament movement are most laudable.

Some supporters of the disarmament movement are hesitant to demonstrate their support today, justifiably fearing the green "dis-armbands" may be interpreted as signs of support for the West German Green Party, or conversely, disdain for former Chancellor Helmut Schmidt. Observers of today's ceremonies, especially those reporting and interpreting them for others, should take care to assume no more than that the wearers of green armbands are trying to warn others of the idiocy and imminent danger of the uncontrolled nuclear arms race.



Column/Duncan Borland

Leaving the tool factory

The other day, a friend was telling me about her decision to leave an important committee in student government. She found the members of the committee rather reactionary, uncaring, and out of touch with the people they are supposed to serve. She debated whether to stay and try to change things, or to leave the committee, moving on to more productive and less frustrating areas of service. She finally decided to leave: "Why should I waste my time and energy trying to change the way they think?" she said. "After all, they're going to be just engineers."

"Just engineers." What does it matter how we think or what we believe, since many of us will spend most of our lives selling ourselves to the highest bidder, then doing whatever we are told without worrying much about the implications of our work. "After all, someone's going to work here. Why should I sacrifice my career and lifestyle for some idealistic mumbo-jumbo? I can't change anything. Better to look out for Number One and not try to change the world. . . ."

Some would describe the Institute as a tool factory, not only training people to build machines, but also turning them into machines: unthinking, unfeeling creatures, little more than cogs in the great military-indus-

trial complex. Harvard turns out thinkers and leaders while MIT turns out calculators who follow orders.

That image bothers me, because I think there is more than a little truth to it. So many people do not like, much less love, what they are doing, but continue anyway, hoping a job with a good salary will bring peace and happiness further down the road. The thing that most saddens me about MIT is people who say, "I hate this f---g place," but are later likely to fondly regard their time here as the best years of their lives.

Engineering should be one of the most creative and exhilarating professions in the world. Approached in the right way, engineering can be an art form as engineers strive to create functional and beautiful things to fulfill important needs as simply and elegantly as possible. Too often we spend our time and energy on projects that either fill no real needs or are simply too large and complex to be beautiful. Anyone can make things more complex; it takes insight and talent to make them simpler.

No wonder so many engineers find their careers unfulfilling, or see them as mere stepping stones to management. Management is,

at best, a necessary evil. We need managers, but too many create stifling bureaucracy, concerned more with money than with quality. Yet the managers make the high salaries and the important decisions while engineers follow orders and live comfortable middle-class lives without thinking too hard. It might not be a great life, but it is just good enough and just secure enough that the engineer will not want to rock the boat and chance falling overboard.

Nor will most engineers take a chance on grabbing a more substantial amount of power and control. Life is easier when the big decisions are made by someone else and one can work within a limited framework without having to answer, or ask, questions about the direction of our society. It is much easier to say, "It's not my responsibility. Blame it on the guy upstairs," than to wrestle with questions of the value of what one does, both to oneself and to the world.

I dream of a day when people are less specialized, when each takes responsibility for the seeds he sows and the fruit they bear. I dream of a society in which values deeper than mere economics form the basis for decisions, where people place more empha-

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The Tech

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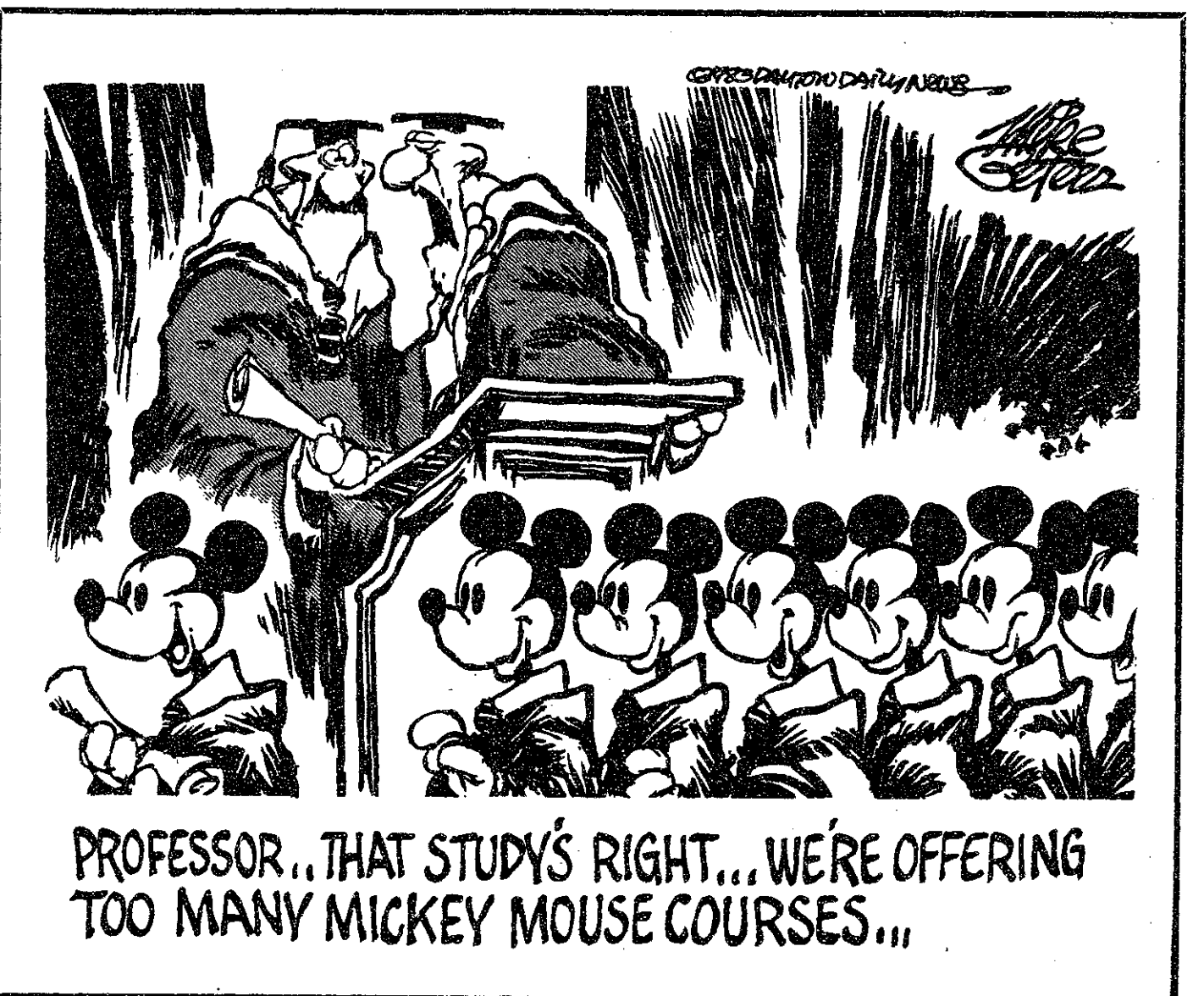
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Opinion

"Dis-armbands" at commencement

V. Michael Bove

Green armbands will be misinterpreted by media

I am a graduating senior, I support disarmament negotiations, and I am not wearing a green armband during today's commencement exercises.

I hope everyone wearing an armband today realizes the statement he or she is making by doing so. Regardless of what the organizers of this effort — who are, by the way, to be congratulated on their organization and efficiency — may say, the green armbands will be interpreted by national and international news media and particularly by former Chancellor Helmut Schmidt as approval and support of West Germany's Green Party.

There has been woefully little mention of the Greens in the literature passed and pasted around campus during the past two weeks; had there been more discussion of what they stand for besides disarmament, I suspect far fewer people would be wearing the armbands today. The Green Party is largely an environmentalist group (hence the name) which opposes not only nuclear weapons but also all forms of nuclear power. Many of its members live on communal farms and are working to deindustrialize Germany. The party has made statements against industry, against technology, and against progress in general. It is currently spearheading a boycott of the German census on civil-liberties grounds.

While the Greens recently won several

seats in the German *Bundestag*, their support in the past few months has been waning, not growing, as the letter from Hofmann *et al.* [Feedback, May 10] suggests. The Green Party's main loss of public approval seems to have come as a result of its Mickey Mouse parliamentary antics, including dragging in trees supposedly killed by acid rain and staging mass temper tantrums until its seats were relocated directly in front of television cameras. While asking for seats on all major government committees, the Greens have also expressed their intention of leaking all confidential documents that come their way. Such political minor-league-ism has made the Greens a constant source of grief and amusement to other representatives and political analysts, and much has been written about them in the American press this spring.

Wearing a "disarm-band" and saying "I support only the disarmament part of what the Greens represent," is, at best, inexcusably ignorant in light of the interpretation that will be made of that statement. At worst, it's akin to saying, "I'm only wearing this robe because the Ku Klux Klan supports an end to unemployment." If you've got one of those funny green things on your arm and you don't know anything about the Greens, I hope you're feeling sort of silly. Or maybe a little bit angry.

Column/Jim Vlcek

Must display feelings on the nuclear arms race

Today I will receive my bachelor's degree in electrical engineering after four years and two colleges' worth of undergraduate work. I will wear a green armband to demonstrate support for efforts to bring about nuclear disarmament.

I did not make the decision to wear the armband summarily. I am not one to hop onto bandwagons, and I do not proselytize.

Nor do I wholly agree with the viewpoints of the people sponsoring the "disarmbands." I share the feeling with them, however, that there is little sincerity in the efforts of all parties to halt the current nuclear arms race. In this context, I feel that I not only should, but indeed *must*, display my feelings in whatever manner is available to me.

What troubles me most, and is therefore the strongest motive for me to wear an armband today, is that I see our government acting no more sincerely in its efforts to negotiate a disarmament than does the Soviet Union. As Art Buchwald put it, Ronald Reagan wants an arms limitation agreement, just not with the Soviets.

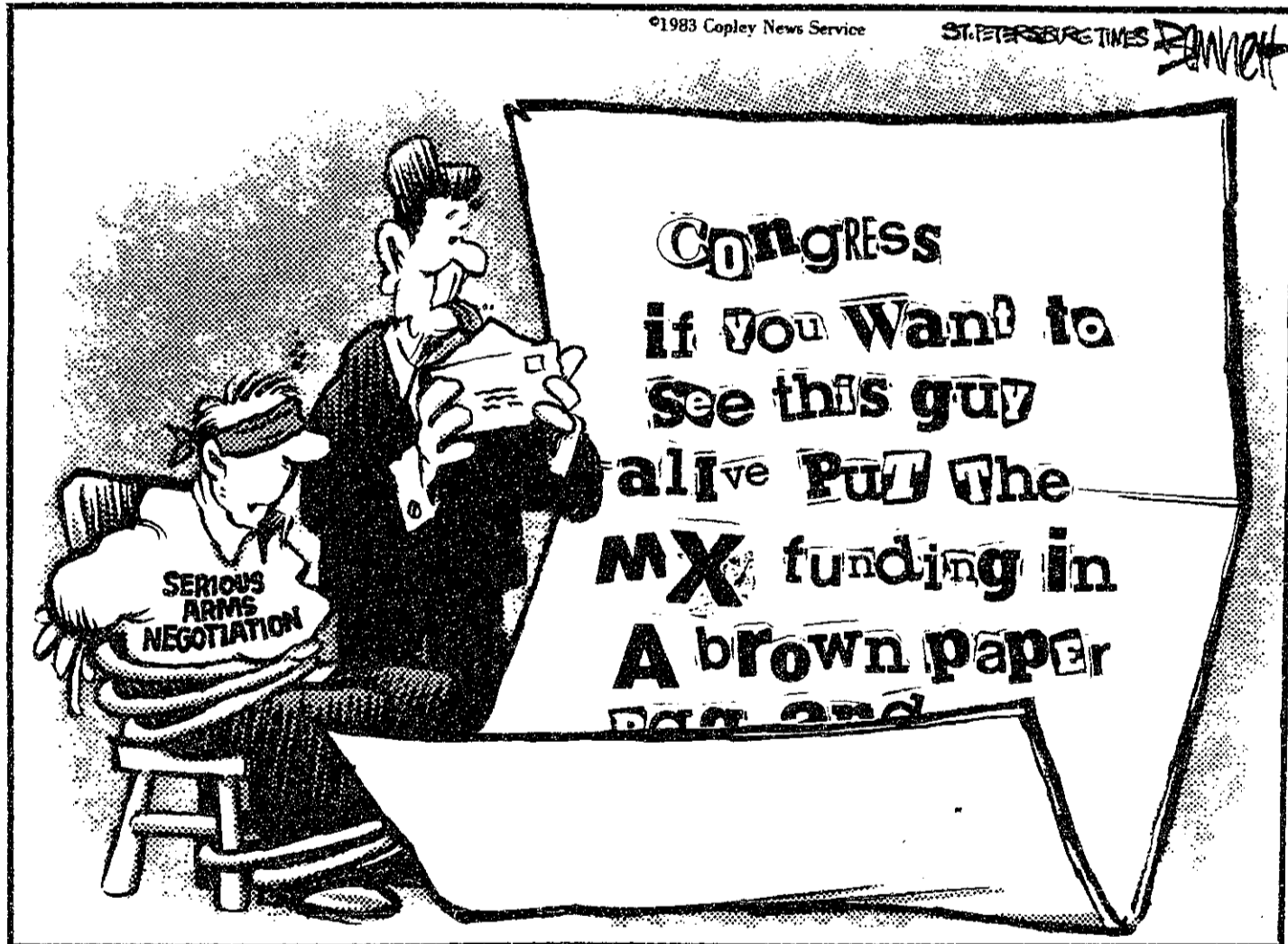
The president seems to view the world situation in 1983 as similar to that of 1938; he sees himself as a latter-day Winston Churchill, trying to warn his country of the dangers of "appeasement" and the hypocrisy of "peace in our time."

The situation is more similar to World War I than World War II, however. Then, as now, the major powers cultivated hysteria within and stockpiled arms upon arms to meet real or imagined threats from without. Their inability to negotiate forced them to fight two world wars to settle their differences. We can reasonably expect only half this opportunity in the future.

In a time of 10 percent unemployment and a seemingly irreversible decline of America's "smokestack" industries, our president seeks to divert attention from the problems we can see and gauge in severity to those we cannot. One can see the effects of unemployment and declining industry in America; one cannot so easily judge just how much of a threat the Soviets represent to us.

There is little the individual citizen can do to help bring about a change of attitude in our leadership. Congress may respond to constituents' letters by approving a nuclear freeze resolution, but it then bows to the president on the MX missile. We must seize every opportunity to display dissatisfaction with current strategic thinking.

"With enough shovels" we might all survive a nuclear attack, said an administration official in a fit of macabre pique. Perhaps with enough armbands, we might prevent that same attack.



feedback

True Christians do exist

To the Editor:

Kyle McKinney's column [May 6] on Rev. Jerry Falwell exposes some of the inconsistencies between Christianity and Falwell's Moral Majority. I sympathize with McKinney's horror at seeing \$70 million worth of donations go to waste on petty things like Falwell's private school when they could go instead toward feeding the poor and healing the sick. It is a shame that Falwell justifies his actions using Christ's name without doing what Christ did.

But not all Christians are this way. For example all the members of the group U2 are committed

Christians. They care about what is happening to our world and where it is headed. These men demonstrate, not just in name but also in action, what being a Christian truly means. A true Christian is willing to give his money to anyone who asks but would never himself ask for money out of greed. A true Christian is willing to suffer persecution for her beliefs but would never persecute others for theirs. A true Christian cares about the poor and the sick. A true Christian treats women with dignity and respect. A true Christian loves homosexuals, blacks, and cripples as much as he loves his

own self. A true Christian might even wear a green armband at her college commencement ceremony to demonstrate her concern for world peace. These are some of the distinguishing marks of a true Christian.

Such Christians do exist. They read the words of Christ and obey them. Not all Christians are like Rev. Falwell. I pray that we Christians put our faith into action rather than into our name. Only then will the unbeliever come to a true understanding of what the good news of Jesus Christ is all about.

Geoffrey Goodman '83

feedback

Wear green armbands to protest arms race

To the Editor:

We support the wearing of green armbands at commencement to protest the world-wide arms buildup and express support for the actions of the European disarmament community. They are working to reverse the military buildup and end superpower intervention around the world.

The commencement speaker is Helmut Schmidt, former Chancellor of West Germany. His faction of the Social Democratic Party supports the basing of US missiles in Germany. Strong grassroots disarmament organizations throughout Europe and Britain oppose the basing of Pershing II and cruise missiles in Western Europe, and at the same time call for a nuclear-free Europe including the Warsaw Pact countries. Despite a show of opposition from large sectors of the European populace, governments in Europe have yielded to US pressure and decided to base the missiles.

We are wearing green armbands to protest this dangerous step toward nuclear holocaust, and to show our solidarity with the European disarmament movement. The Green Party in West Germany is an important

part of this movement. They call for:

1. Political and economic self-determination in the Third World.
2. International disarmament negotiations, armaments and weapons control.
3. An international disarmament ban on the storage and production of atomic, chemical, and biological weapons.
4. No production and no stationing of middle-range missiles (like Pershing II and cruise missiles) by NATO and the elimination of middle-range missiles (like the SS-20) by the Warsaw Pact.
5. The creation of a demilitarized zone in both Eastern and Western Europe.

By wearing green armbands, we are not declaring allegiance to a specific German political party, but expressing support for antimilitarist movements in Europe.

We call on people who support the cause of disarmament to join us in this protest today.

Mark Halpern G
Sally M. Barros '83
Philip Morrison
Institute Professor
and 40 other students and members of the faculty and administration

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Opinion

Column/Eric Sven Ristad

Coming soon: a Middle East war?

Current tensions in the Middle East indicate that another war, this time on a larger and more devastating scale, is in the making. All nations involved — Syria, the Soviet Union, Israel, and the United States — have spouted the typical pre-war rhetoric and engaged in the troop movements and military preparations that generally presage a war. Analysis of the situation indicates that such a war would initially be between Israel and Syria; perhaps it would escalate to the level of a superpower conflict.

That a major Israeli-Syrian conflict has been brewing since last summer is no secret. In early September, the escalating fighting between the two nations almost

turned into a full-scale invasion of Syria: Israeli artillery bombed the Beirut-Damascus Highway and was in position to shell Damascus itself while Israeli troops surrounded Syrian troops in the Bekaa valley. The massacres at Sabra and Shatila prevented the pending invasion by focusing world attention on the ongoing Israeli devastation of Lebanon's population.

US Secretary of Defense Caspar Weinberger said a few days later there was "no question" that the presence of long-range SA-5 anti-aircraft missiles manned by Soviet personnel in Syria increased the danger of a new and wider war in the Middle East. The Soviets then had two groups of the long-range missiles combat ready: one near Damascus and the other just north of the Lebanese-Syrian border. American intelligence officials estimated the number of Soviet military personnel in Syria had increased from 2,500 to 4,000 in the previous two months; there were then an estimated 40,000 Syrian troops in Lebanon.

"Israel was prepared for a possible war with Syria in the spring," said the Israeli chief of staff, Major General Moshe Levy. Israeli forces in Lebanon were "put on a higher than normal state of alert" in April; Israel reinforced its Bekaa valley position, widening roads to speed tank traffic and building new bases, and carried out military exercises in the Golan Heights. "... The Israeli Army, *The New York Times* reported, "has strengthened its military position in Lebanon to the point where the Israeli sector could be used as a staging area for offensive operations."

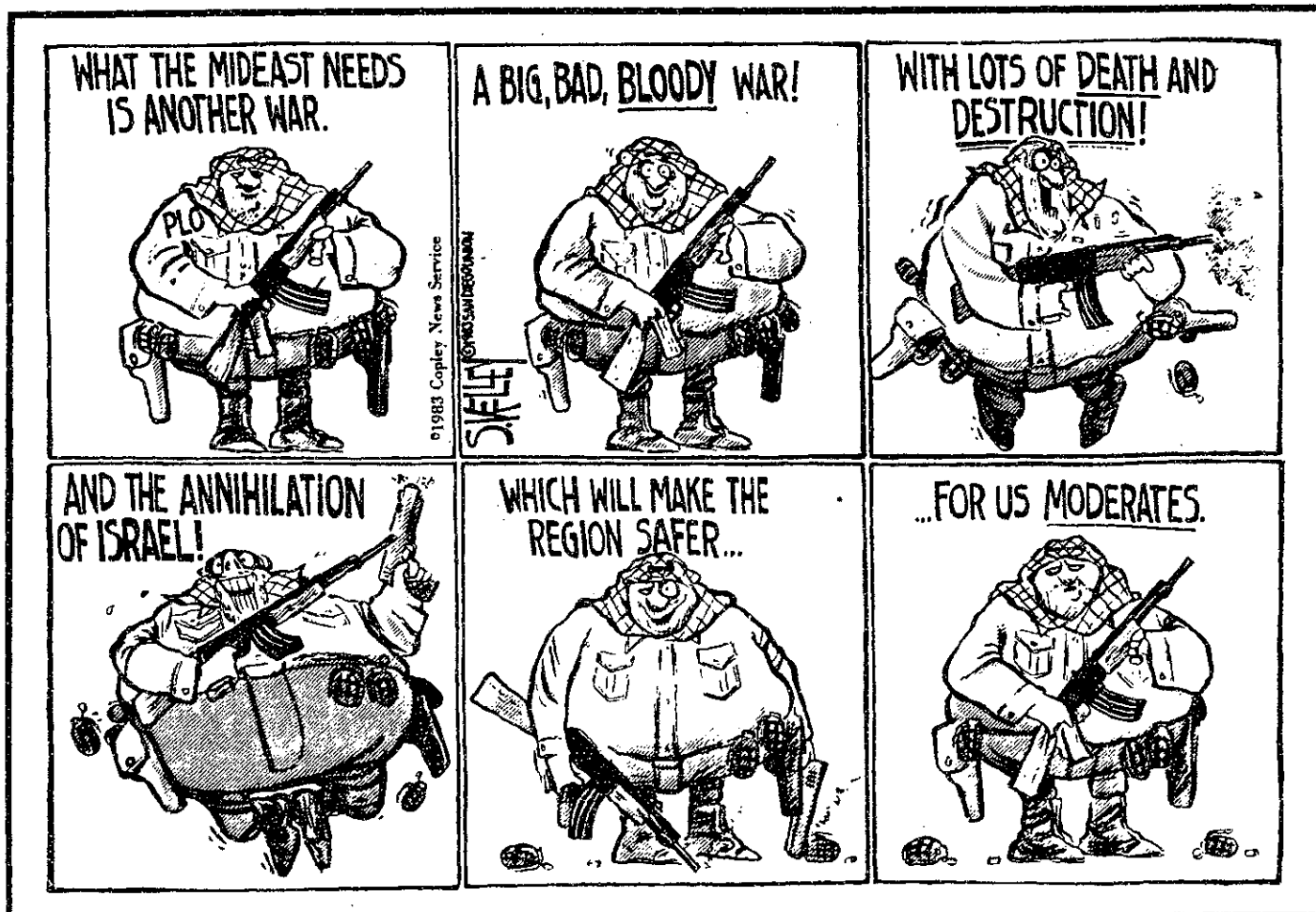
Syria and the Soviet Union highlighted the Israeli military buildup in the Bekaa and repeatedly warned of an impending war. The PLO ordered a "maximum state of alert" April 18 for its estimated 10,000 troops in expectation of a "major Israeli attack" while US and NATO intelligence sources reported "significant Syrian troop movements."

Small-arms clashes between Syrian and Israeli troops occurred almost daily throughout April in the Bekaa; the Israelis frequently flew over Syrian positions in the valley to try to induce the Syrians to activate radar for their SAM-6 anti-aircraft missiles. Knowledge of the radar's frequency would allow Israel to jam the radar; Israel used the same tactic to prepare for the invasion of Lebanon last year. "American specialists" said the Israelis were busy devising options for penetrating and destroying the new Syrian air defenses.

By late last month, however, the Israeli air force had changed its flight procedures, particularly over Lebanon, to keep high-flying planes beyond the range of missiles based in Syria, despite previous assurances from the Soviet Union that it would not fire its SA-5 missiles beyond Syrian air space.

An April war seemed unavoidable, but none occurred. The earth in the Bekaa Valley was too damp from winter rains to allow much tank or troop movement. But the ground has now hardened enough for tanks to roll, and tensions have remained at a high point ever since. *The New York Times* quoted estimates of

(Please turn to page 10)



feedback

Rosenblith was "ill-tempered," "uncollegial"

Editor's note: The Tech received a copy of the following letter to Institute Professor Walter A. Rosenblith.

Dear Professor Rosenblith,

Several times during Monday's panel session [on industry-university ties, April 11], I was surprised and disturbed by your readiness to resort to attacks on my character and motives in order to try to refute my statements. Your ill-tempered and uncollegial display was made all the worse by the facts that you were chairing the session and that you are formally my senior and superior. Moreover, your behavior did not aid discussion but instead diverted attention away from the matter at hand and served to obscure the points I was making. I have now had an opportunity to review the tape of the proceedings and would like to take this opportunity to clarify my points, in the interest of fairness and fuller discussion.

1. When I replied to one student in the audience that he would probably have to choose among corporate-sponsored research projects, you interrupted to accuse me of willful "distortion" and lying. Your outburst, from the chair, pre-empted discussion and clouded the issues. As you well know, in the biology department — the focus of the student's concern — there has been a growth in private funding. Although the public funding remains high, there is less room for expansion and thus students here and elsewhere are indeed under pressure to choose from among privately-funded projects for support. This is of great concern to graduate students in biology areas throughout the country; the graduate student association at Stanford, for example, has held hearings on the matter and, indeed, after Monday's session a number of MIT students asked me to investigate the matter further at MIT. This pressure and concern prompted my response to the student's question: where can one go to avoid working indirectly for a corporation?

To refute me, you interrupted abrasively, again from the chair, to point out that 85 percent of research support for MIT comes from the government. You also accused me of willful distortion. Your statement was, of course, correct, but you missed my point entirely, and prevented me from elaborating a response to you. As

far as public funding is concerned, I remind you of my own comments at the faculty meeting last year when the Whitehead Institute proposal was under discussion. At that time, and later in writing to President Paul E. Gray '54, I maintained that the bulk of funding for the MIT biology department has been public. This fact was the basis for my argument that it would not be proper for MIT to enter into private deals with such public resources (an argument that has received considerable attention in California and which was recently echoed by Rockefeller University cell biologist Philip Siekevitz in *Science*, March 4, 1983). In the faculty meeting, President Gray dismissed my remarks in an *ad hominem* manner similar to your own, sidestepping my statement of fact and declaring that I was "off the wall." I am happy to see that on this point at least — the degree of public funding — we are in agreement and I urge you to share your insights with President Gray.

2. During my discussion of the sensitive matter of conflict of interest — in particular, the fact that you were a director of Kaiser Industries Inc. while serving at the same time as associate provost and provost of MIT and as a member of National Academy of Science committees — I pointed out that neither MIT nor the Academy of Sciences required public disclosure of this potential conflict of interest. You interrupted me yet another time, again from the chair to call me a "liar," a charge you repeated several times. You also interjected the *non sequitur* that you were no longer on the Kaiser board of directors, implying that my facts were wrong. Of course, I never indicated that you were but rather had carefully limited my analysis to the period during which you were provost, as a review of the tape will confirm.

Perhaps you did not understand what I was saying, or, more likely, you are in the habit of confusing internal disclosure with public disclosure, a common mistake. We agree that there is no requirement of public disclosure of "outside activities" at MIT, and, as Professor of Economics emeritus Charles P. Kindleberger pointed out, even the internal requirement has been rather a relaxed one. You insisted that there

has never been a demand for public disclosure at MIT and that explains the absence of such a requirement. On this point, I suggest you check the historical record more carefully and urge that you consult with Professor of Engineering J. Herbert Hollomon '40, since he refuted your remarks Monday afternoon.

As far as the National Academy is concerned, you maintained that the Academy does have a policy of full public disclosure and asserted both in public during the session and in private immediately thereafter that I was lying about this. For the record, I would like to quote at length from a description of the Academy policy as it existed at the time you were on the Kaiser board. (The description is from Philip Boffey's study of the Academy, *The Brain Bank of America*, McGraw-Hill, 1975, pp. 87-8):

"In August 1971, the Academy imposed a requirement that appointees to its most sensitive committees must submit a statement listing 'potential sources of bias.' The initial version of this statement simply asked each prospective committee member to identify any current or previous affiliations, activities, financial interests, or public statements which others might construe as compromising his objectivity. But a later version, put into effect in January 1973, was more explicit in its probing. It asked each prospective committee member to list all jobs, consultancies, and directorships held for the past ten years, all current financial interests whose market value exceeded \$10,000 or ten percent of the individual's holdings, all sources of research support for the past five years, and any other information, such as public stands on an issue, which 'might appear to other reasonable individuals as compromising of your independence of judgment.' The bias statement is used in the appointment process of all committees that are deemed 'bias sensitive' by the Academy president's office.

"The bias statement is a significant step toward enhancing the objectivity of Academy Reports. But it is not a sufficient step. For one thing, the Academy refuses to make the bias statements public. Thus it is difficult for outsiders to form an independent judgment as to whether any particular committees (or individ-

ual) is impartial or biased."

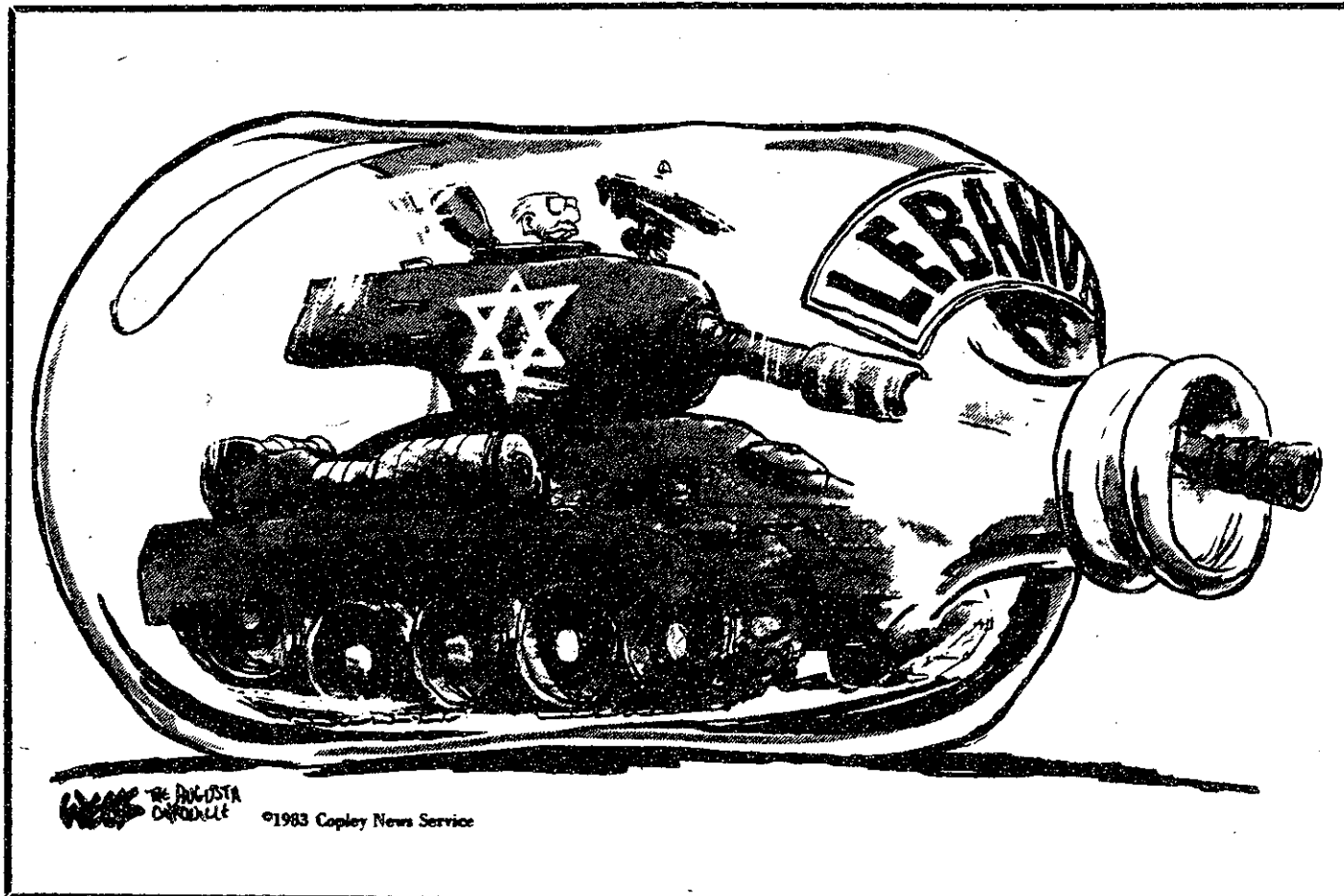
On the basis of official NAS policy, therefore, readers of NAS Reports would never know that you were a director of Kaiser Industries. To them, you would appear simply to be an academic, and MIT provost. MIT's policy similarly handicaps outsiders, and even most insiders. In my own quick survey of the audience after Monday's session, on the integrity of the university and the effects of outside influence, I found no one who knew of your former connection with Kaiser. They all assumed, like the readers of NAS Reports, that the chairman of this session was simply an academic like themselves. Had I not mentioned the fact of your relationship with this corporation they would have no doubt have left still innocent of it. As far as the significance of such relationships is concerned, there seems to be considerable debate. Your remark that it is irrelevant and that the suggestion that it might be significant is "ridiculous" has been disputed by nearly all extant guidelines regulating the behavior of those in positions of public trust. It is now being suggested, in California and elsewhere, that overseers of publicly-funded institutions ought to be held accountable under such guidelines, in the public interest. Since you agree that MIT is such a publicly-supported institution, you would no doubt agree also that the provost of this institution holds a position of public trust. You might reconsider, therefore, as others are now doing, whether or not conflict of interest guidelines and public disclosure requirements ought to apply here, too.

I trust that this letter clarifies the facts and arguments which underlie my position on these matters, and I want to caution you against any more unwarranted and abusive *ad hominem* attacks in the future. Your libelous behavior as chairman of the session, and my superior, fails utterly to meet even elementary standards of fairness or accuracy and, at the very least, detracts substantially from the quality and seriousness of these extremely important discussions.

Thank you for an otherwise enlightening session.

David F. Noble
Assistant Professor
of the History of Technology

opinion



Column/Jack Link

Consider issues of life, rights

The Class of 1983 is now being inundated with advice from parents, friends, and graduation speakers on what issues they should concern themselves with in the coming decades, as leaders of our technological future. There will be much discussion on the arms race, on how best to educate the next generation of engineers and scientists, and on considering the implications one's work will have for society.

Worthy topics all; all frequently discussed during our years at MIT. But discussion on one variation of the last topic is rarely heard. That is, in addition to considering the implications of one's own work, we all have a duty to speak out on issues concerning us all, particularly those involving technology.

Perhaps the best example of this responsibility is the profound implications that medical technology will have for society in the coming decades. While predicting the future is always risky, I predict the issue having the greatest impact by the end of this millennium and into the next will be that of defining human life.

The abortion debate is an example of an issue that will be subsumed by the broader topic of human life. The two current factions are often labeled "anti-abortion" and "pro-choice." Both terms are misnomers, serving to illustrate the basic gap in understanding people have when dealing with this issue.

Many of those in the "anti-abortion" group are also against artificial birth control, which is the best method of preventing abortion. The chief offender here is the Roman Catholic Church. Rarely will you find a priest willing to advise a couple to use birth control if the alternative is abortion. The church rarely gets past the point of saying "They are both wrong, do not try either."

The "pro-choice" forces should really be labeled "pro-second-chance." The former term implies that those opposing abortion are against allowing a woman to choose whether or not to have a child. Except in the case of rape or failure of reliable birth control methods, however, an educated woman always has two earlier choices: first, whether or not to have sex, and second, whether or not to use artificial birth control. While it is true that many young women and girls are too ignorant to use birth control, the solution

to that problem is education, not abortion. How can we consider doing a better job educating engineers before we address more basic issues such as this?

The difference between the pre-pregnancy choices and the question of abortion is that the latter involves a life besides that of the woman. The central question is whether the unborn child has the same rights as those not dependent on a living womb. The "pro-second-chance" forces' invective, like "Don't try to legislate your morality on me," shows their inability to appreciate the other point of view. All laws are based on someone's morality. Many today believe what one does is one's own business if it does not hurt anyone else. But to tell someone who believes that an unborn child is "someone else" that they "cannot legislate morality" is to ignore the underlying issue of defining human life.

Technology will, in the end, force the world to confront this issue. Someday, an artificial womb will be developed, and the conflict will no longer be between an unborn child's right to life and woman's right to control her own body. The issue will become primarily an economic one. Who will pay to keep alive those chil-

dren whose mothers previously would have elected to have an abortion? "Test-tube" babies already have been kept alive outside the womb for ten days, and the record for survival of premature infants is continually being pushed back. Sooner than we think, the two technologies will meet. As with the driving of the golden spike, profound changes in our society will follow.

Society has alternatives in dealing with this situation. Perhaps human life will be divided into classes, each having certain rights and lacking others. Already, in hospitals across the country, handicapped infants who could be kept alive are regularly allowed to die. I do not know whether this is the proper solution or not, but merely point out that the same issue is at the root of the abortion debate and the debate on how society should deal with the elderly and infirm.

This is just one example of how technology will define societal debates. It is an issue which will affect nearly everyone graduating today at some time in his or her life. Graduates of MIT have the responsibility to help make the debate an informed one.

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feedback

Dashow computer music not music

To the Editor:

Webster's New World Dictionary of the American Language defines "computer" as "... an electronic machine which, by means of stored instructions and information, performs rapid, often complex calculations or compiles, correlates and selects data ..." "Music" is therein defined as, "The art and science of combining vocal or instrumental sounds or tones in varying melody, harmony, rhythm, and timbre, especially so as to form structurally complete and emotionally expressive compositions."

While there is nothing inherent in these definitions which is mutually exclusive, the May 2 performance of James Dashow's computer "music" proved, to my satisfaction, that the two words are completely incompatible. While Mr. Dashow succeeded in combining sounds or tones, melody and harmony and rhythm were nowhere to be found. And as for "emotionally expressive" — forget it. Some of the "music" sounded like cosmic telephones ringing in space, some was reminiscent of Pete Townshend scraping the strings of his guitar across a microphone in the good old days, and some sounded a little like R2-D2 complaining about constipation, but most of it was simply random, disjointed sounds.

I was glad to note that I was not alone in my opinion. Three discerning individuals left after the first of four pieces. Rather more than three vacated after the second, but not I. I was still determined to keep an open mind and find something (however minute) of value in the performance. My resistance was shattered, however, when a stampeding horde fled toward the exit after the third piece. I was tempted to stay just to see a live cellist play with paper clips on one of the strings, but I had laundry to do.

Mr. Dashow cleverly arranged for live performers to accompany two of his works. This allowed the audience to differentiate between the pieces. There was the stuff before the clarinet, the stuff

with the clarinet, the stuff between the clarinet and the cello, and the stuff with the cello. As I said, pressing matters prevented me from witnessing the stuff with the cello, but I heard the stuff between the clarinet and the cello and was incredulous to discover that it won second prize in an international competition. (I would not care to hear the third prize piece.) I had thought that the stuff with the clarinet would be at least vaguely recognizable as music. After all, I reasoned, one cannot place an accomplished musician upon a stage and have him or her randomly squeak and trill for twenty minutes. Silly me! That is precisely what happened.

Picture yourself lounging in the sun listening to your favorite music. It could be Rachmaninoff or Squeeze or Maynard Ferguson or Laura Branigan or AC-DC or whatever, but I will bet that it is not James Dashow. I realize that all forms of music cannot be enjoyed by everyone, but I believe that all forms of music should be enjoyed by *someone*. If not, what good is music? I would like to hear from someone who seriously enjoys Mr. Dashow's work. I am not talking about academic appreciation, I am talking about coming home from a long day of classes and turning on a Dashow tape to relax. I understand that Mr. Dashow puts a great deal of time and effort into his work, but, if he borrowed a synthesizer from a local band and randomly flicked switches and twiddled dials for fifteen minutes, I doubt that anyone would notice the difference.

Thomas D. Steiger '86


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feedback

Faults sources on Israel

To the Editor:

The average MIT undergraduate, during his or her MIT career, must live through a number of experiences which can only be described as "exercises in futility." One such experience is, I think, about to unfold.

Eric Sven Ristad wrote a column in *The Tech* [April 22] in which he expressed his "opinions" about Israel. I sincerely hope that these opinions are not shared by the majority, or even a small minority, for that matter. In brief, he is mistaken.

But maybe the fault is not entirely his own. Maybe the fault belongs with the sources of information to which Mr. Ristad has been subjecting himself. I am speaking of *The Times* of London and the International Committee of the Red Cross, both of which Mr. Ristad quotes over-abundantly. I am also bewildered by the few references to Israeli newspapers: Does Mr. Ristad read Hebrew, and if he does not, why has he not read *The Jerusalem Post*, an English-language Israeli paper, which is surely much more accessible to him, and which would have provided him with that "Israeli" viewpoint he seems to seek so desperately? Perhaps because *The Post*, although ideologically very far from Prime Minister Begin's position, has consistently contradicted all the reports quoted by Mr. Ristad.

But let us return to *The Times* and the ICRC. *The Village Voice*, which Mr. Ristad uses, is surely not worthy of consideration.

First, *The Times*. This newspaper, more or less typical of the British media, is little more than a reflection of the recent anti-Israeli attitude of the British Foreign Office and, as a result, of the BBC World Service. Among interesting facts that come to mind is the finding during the summer of 1982 that correspondents of the British wire services were living in the same West Beirut hotel as a number of officials of the PLO, and got their "scoops," many of which were followed by less "spectacular" retractions, by

knocking on their neighbors' doors. Another interesting fact is a pair of photographs, published in various places, of "before" and "after": "before," meaning a British correspondent arranging a group of small children around the burnt-out shell of a tank in exchange for some candy or money, and "after," meaning the correspondent aiming his camera to capture on film the results of the "Israeli destruction." The correspondent was later "disciplined," and the event was ascribed by the BBC to "overzealousness" — though not in so many words.

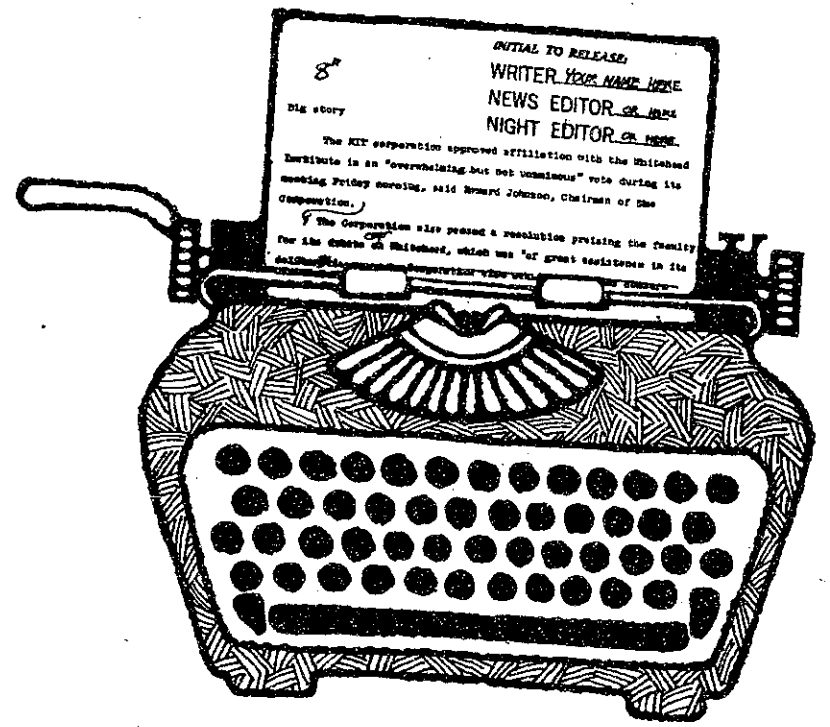
Second, the ICRC. The ICRC should have no authority whatsoever as far as Israel is concerned. This is clear when one realizes that the Israeli equivalent of the Red Cross, the *Magen David Adom* (Red Star of David) is not even recognized by the ICRC, although attempts are constantly made to remedy this, while the Red Crescent, the Moslem (including, but not exclusively, Arab) version is recognized. Furthermore, the PLO has no rights derived from the Geneva Convention; the prisoners held by Israel cannot by any stretch of the imagination be considered "prisoners of war." Nevertheless, Israel has treated them according to this venerable treaty, and has allowed the ICRC to visit them. Most reports following such visits were favorable to Israel; Mr. Ristad overlooks these. In addition, the PLO refused for a long time to reciprocate by allowing their prisoners — Israeli soldiers — to receive any visits from an international body. In late summer 1982, Israel released without preconditions hundreds of PLO prisoners — all teenagers who had been caught firing real weapons at Israeli soldiers. This was a violation of the Geneva Convention, and the ICRC should have demanded that the teenagers be retained by Israel and given full POW status. Finally, the ICRC admitted in the fall of 1982 that the numbers it had published concerning events in Lebanon

contained gross errors. This happened after it was pointed out that these numbers were inconsistent with the actual size of the area's population, which had been entirely "wiped out" three or four times over by then.

So these are Mr. Ristad's sources; and the obvious question now is whether he is not, as an MIT student, trained to question whatever he reads; to ask himself how reliable the information and its source are; to seek different accounts of a situation? It was indeed my impression that this was the general thrust of an MIT education — with the various courses specializing it to their areas of interest. Or perhaps Mr. Ristad has failed to notice how this philosophy extends to "real life." At least, I can only hope that this is the cause of his "mistake."

Clearly, all this has nothing to do with Ms. Kirkpatrick. However, it does concern Mr. Ristad's opinions, which he chose to express quite freely, apparently using Ms. Kirkpatrick as a mere pretext. But opinions, after all, are made to allow for changes — in time or otherwise. I hope, therefore, that these truly are "opinions" and not in fact "beliefs." If I am wrong in this hope, however, then this has certainly been a perfect example of an "exercise in futility."

Armand Rosenberg '84



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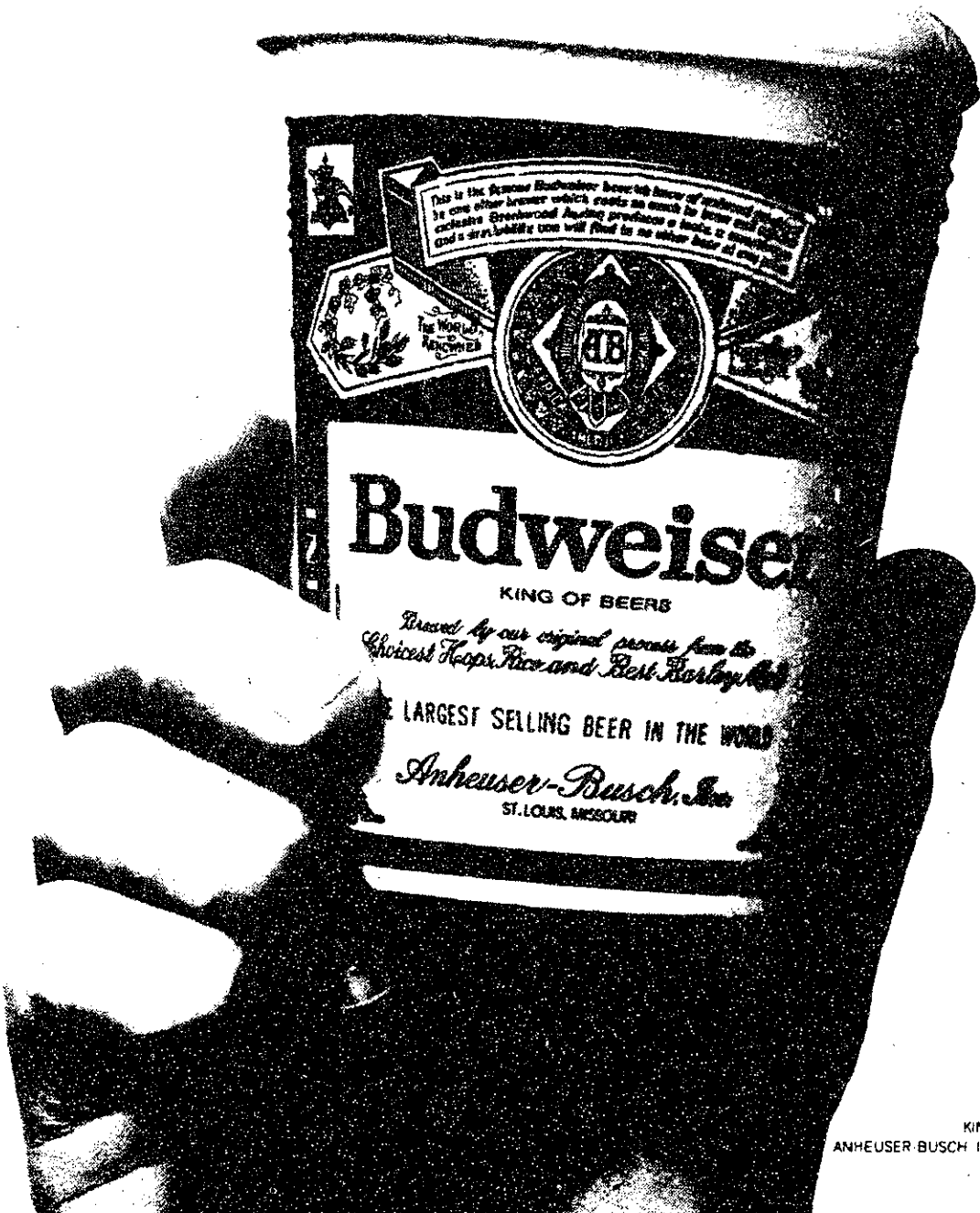
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Letters to the Editor are written by members of the MIT community and represent the opinion of the writer.

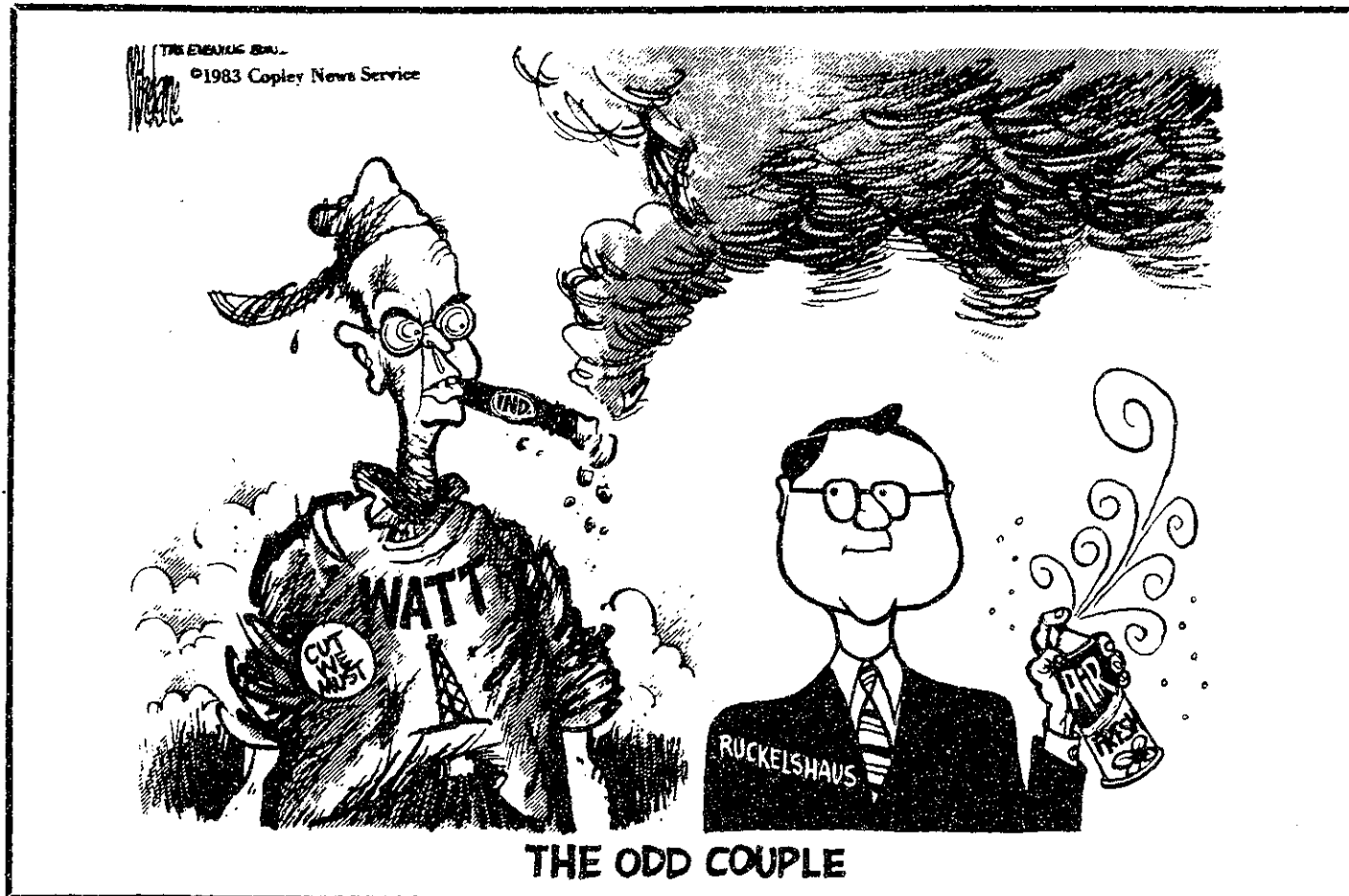
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opinion



THE ODD COUPLE

feedback

Wellesley double degree derided

Editor's Note: The Tech received a copy of the following letter addressed to MIT President Paul Gray '54.

Dear President Gray:

Recently, several Institute committees were charged with investigating the feasibility of a Wellesley-MIT double degree program which would allow Wellesley students to combine courses at both schools through the existing cross-registration program, and obtain two degrees in five years. The program would require the Wellesley student to apply in her second year for transfer to MIT, which would occur at the end of the third year. It would be limited to ten students per year; the expected number is three or four students. Although most student-faculty committees and several individuals did not respond favorably to the program, measures are nevertheless being taken to implement it.

We would like to address several of the problems which characterize the proposed double degree program — problems which the supporters of the program apparently find unimportant. First, the fact that such a program is even being considered without any input from the MIT student body simply reveals the lack of communication between the administration and the students. The proposed program may seem like a small issue, a mere extension of the already existing relationship with Wellesley, yet it will reinforce the narrow image of MIT which the Admissions Office has worked very hard to correct. When prospective students read about the exchange program — which would most likely be advertised in the literature of both schools — they will immediately wonder whether MIT alone can provide a well-rounded education. They will assume that humanities and social sciences are somewhat lacking at MIT, and that this deficiency makes it necessary for students to attend two schools at once in order to receive a full education. Considering all the time and energy put into developing the humanities and social sciences into the fine departments they now are, this proposed program would needlessly endanger their reputations, both within MIT and in the eyes of prospective students.

A second problem concerns the core requirements at MIT. Apparently, Wellesley College double degree candidates will be able

to satisfy these requirements with "equivalent" courses at Wellesley. In all other cases, transfer students' work must undergo the scrutiny of individual departments. In many cases, such students are granted only partial credit for work done elsewhere, and are required to compensate for any deficiencies. Will Wellesley Physics 105 automatically satisfy core requirements at MIT? Will Wellesley Calculus 115 be considered a valid substitute for Calculus (18.01)? If so, will MIT students automatically be permitted to fulfill MIT core requirements by taking these subjects at Wellesley?

A third problem would be the specific effect on prospective women students. While MIT is forever attempting to increase the number of women applying and matriculating each year, the proposed double degree program would shed an unfavorable light on the available opportunities for women at MIT. The very existence of the program would suggest that there are few women at MIT, and that the MIT environment is in some way inadequate and requires the supplementation of a special program. Did the Wellesley College administration — supposedly concerned with women's issues — make any attempt to seriously consult women students and faculty at MIT before developing this proposal?

Finally, why is such a program being considered at all? Although

promoted as a mere extension of the current MIT-Wellesley exchange, it is not an exchange at all, for it is not reciprocal. Wellesley's charter specifically states that no degrees are to be given to men, and even women at MIT would not be able to work towards a similar double degree. In fact, the proposed program would not benefit MIT at all; instead it would detrimentally affect the image which MIT projects, especially to prospective students. If the number of double degree students from Wellesley is so small, why is it necessary to have a special program at MIT? Instead, Wellesley College should make provisions allowing these students to return after having applied as regular transfer students to MIT and having completed regular MIT degree requirements.

We hope that, in light of these serious problems, you reconsider the decision to implement the Wellesley-MIT double degree program. In the future, we would greatly appreciate the opportunity for more student involvement with issues which may affect the reputation and policies of MIT. An effort should be made to make proposals and decisions such as these more publicized within the MIT community in order to prevent future misunderstandings.

Stella Hetelekidis '84
Marcia J. Simon '84
Nancy J. Beckman '84

Being more than "just engineers"

(Continued from page 4)

sis on their development into whole persons than on their financial security.

Of course an individual cannot do everything, and financial security can be helpful for the exploration and satisfaction of our emotional, intellectual, and spiritual needs. But it is a grave mistake to hope to find peace and security through money alone. The poorest people are those with lots of money who spend their lives trying to acquire the additional amount which will bring them happiness; others, with little money, radiate peace and a deep joy inexplicable by any rational, materialistic system of accounting.

That joy comes from discovering who they are and what they truly love and having the faith to follow their hearts and do it. Strangely enough, when people let go of their worries about the future and pressures from the past and begin to live in the present, aware of who they are and what they are doing right now,

things work out. Whatever people need falls miraculously into their laps at just the right moment if they are only aware enough to see, and trusting enough to take, what is given to them.

As we turn our brass rats around and head into the real world, I hope we will have the courage to be more than "just engineers." I hope we will be whole human beings first, taking the risks and making the sacrifices that will bring us deeper joy and security than money alone ever could. Perhaps we will take jobs which do not pay the most but allow us more freedom and creativity and bring us more satisfaction. Perhaps we will have ideas and risk starting our own businesses and creating quality rather than simply producing profit. Perhaps we will find we are not engineers and become chefs and ministers and musicians and writers. Perhaps we will find we really are engineers, but let's strive to be more than just engineers.

feedback

Cook faults column

To the Editor:

In regards to Charles P. Brown's column on Food Service [April 29], it is understandable that he and many others are upset about mandatory commons, but that should not involve the dining hall employees he so rudely suggested were useless.

Brown, like many other MIT students, thinks that everyone should make \$30,000 a year. In his column he suggested that students could assume positions of regular employees. Does he realize that the people he speaks of have families and support them on \$13,000 a year? This does not even meet the lowest standard of living.

Also, in regard to using student help for these positions, it is hard to find workers first of all and then have them come to work everyday without having to call them to get out of bed.

Brown talks of cutting costs, but some student employees make more money part time than a lot of 40-hour workers. He also talks of waste but I see more food being wasted by student workers who think because they have friends eating on commons

they should get a larger portion. Doesn't he think that is a waste?

Also, does he take in account the amount of silverware and plates that disappear? These things are not free.

John Fell
General Cook and
Senior Union Steward
McCormick Dining Hall

Prefers Peters

To the Editor:

Please bring back Mike Peters. Your new cartoonists are terrible. You may not have noticed the difference, but we have. The 19th century style of labeling objects to hammer home analogies is boring. Please bring back the authentic humor and wit of Mike Peters. While his cartoons are unquestionably funnier, his insights, too, are deeper and more powerful. I hope this was a change that you can revoke, otherwise I will have to get a subscription to the *Dayton Daily News*.

Peter M. Steven G

Editor's note: Mike Peters' editorial cartoons still appear regularly in The Tech.

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Open Auditions

for *The Gondoliers*, an operetta by Gilbert and Sullivan, will be held June 6, 7, & 8, 7-10 pm, in Kresge Auditorium - Rehearsal Room A, MIT Campus, 84 Massachusetts Avenue, Cambridge. Callbacks: June 9, 7-10 pm. Presented by the MIT Community Players. Please prepare a Gilbert and Sullivan song.

Dance Auditions

for girls ages 12-16 (with some previous ballet training) will be held June 9th from 7-8 pm in Kresge Auditorium - Rehearsal Room A. The dancer selected will have a solo performance and be featured in other numbers; therefore, attendance at all rehearsals and performances is mandatory.

Opinion

Summer war in the Middle East could escalate

(Continued from page 6)

30,000 Israeli troops, 45,000 Syrian soldiers and 8000 PLO guerrillas in Lebanon. The occasional skirmishes between the Syrians and Israelis had diminished, but not halted.

Then came the Israel-Lebanon "withdrawal pact," which provided for continued infringement of Lebanese sovereignty by Israel: an Israeli army presence in a significant fraction of Lebanon against the wishes of the Lebanese government. *Time* called the agreement "a 24-page masterpiece of diplomatic fog that will allow each side to claim, or to obscure, whatever it wants." An aide to US Secretary of State George Shultz added "the language [of the agreement] is incomprehensible.

Israel must prepare for "the possibility that direct fighting with the Syrian army will develop on all fronts" if Damascus does not accept the Lebanon withdrawal plan, Levy said. "In spite of the agreement with Lebanon, there should not be a feeling that from now on it will be calm. My estimate is that the opposite will be true." Israeli radio, armed forces radio and television carried almost identical reports quoting unidentified informed sources as saying that if Syria rejects the agreement, a war started by the Syrians may follow. Hardly a peaceful attitude.

Syrian Foreign Minister Khaddam told a news conference he "expects a war in the Middle East in the near future." He warned of even wider military conflict between his country and Israel than last summer's fighting in eastern Lebanon and said another conflict between the Israeli and Syrian armies in Lebanon would not be limited to Lebanese territory and that casualties would be far higher than in last summer's fighting.

The same day, a Tass dispatch asserted that Israel was preparing for war against Syria. "It is no chance that the fuss over the conclusion of an American-Lebanese-Israeli agreement [on troop withdrawals] is being accompanied by the escalation of war preparations against Syria," the Soviet news agency said. "Israel openly threatens to deliver a strike against Syria. Threats are

being made to Jordan as well. In other words, another war is being prepared while lip service is being paid to peace."

Syrian rhetoric heated still further the next day: "Syria will not let any war Israel might launch be a limited confrontation but rather turn it into an all-embracing war . . .," Damascus radio said. "Syria has decided to repel danger not only from its own air space or over its border but also from Lebanese territory. Any Israeli aggression against Syria would mean an unlimited war."

After two months of repeated Soviet and Syrian reports suggesting Israel was preparing to attack Syria in Lebanon's Bekaa area, the wives and children of Soviet diplomats in Lebanon were unexpectedly evacuated May 10. A Soviet official said the action was taken because "we were afraid something might happen."

There has historically been a strong correlation between military conflict in the Middle East and the evacuation of Soviet dependents in the area. Soviet diplomats and their dependents left Damascus and Cairo suddenly in 1973, just before Syria and Egypt attacked Israel. A similar evacuation occurred in April 1981 during the Syrian missile crisis and fighting in Zahle. Immediately after the start of the Israeli invasion of Lebanon last year, Soviet dependents were evacuated without warning.

The United States did not remain silent. On May 11, a State Department spokesman said "with Israel and Syrian forces juxtaposed in a tense situation, such as exists and has existed since last summer in the Bekaa, there is a persistent threat of renewed hostilities."

The United States sees the Soviet Union's presence in the Mid-

dle East as intolerable, and a successful war would be the most effective way to remove Soviet influence from the region. Former Ambassador George F. Kennan said May 17 that Soviet-American relations were in a "dreadful and dangerous" state that had "the familiar characteristics, the unfailing characteristics of a march toward war — that, and nothing else."

That a superpower conflict could arise out of an Israeli-Syrian war was confirmed by Weinberger when he warned May 13 that "I want to make it very clear to the Soviets and any proxies they may have in Syria that any aggression by them would be met by a retaliatory force that would make the aggression totally unwarranted, totally lacking in any hope of gain to the aggressors." He did not say who would be responsible for the retaliatory action but added, "this certainly would be our policy as it is the policy of Israel." To make the threat of "retaliatory force" more credible, the US 6th Fleet has been located directly off the Lebanese shore. Also in the eastern Mediterranean are three Soviet warships.

PLO leader Yassir Arafat said "emergence from the present Arab impasse would be by adoption of the fighting decision and war on an official Arab level to change the balance of power in the region. . . . Effective war in the practical level is the only available means now of recharting the political map [of the Middle East] through an Arab military movement supported by the Palestinian-Lebanese national struggle."

It is quite likely that Israel does not want to see any significant Arab military force developing in the Middle East which might challenge its regional hege-

mony. Consequently, Israel feels threatened by Syria's new-found military strength. An Israeli preemptive strike against the SAM-5 bases in Syria would mitigate this threat, especially now that a third major Soviet missile base might be being built near Dera, on the Jordanian border. If this is the case, missiles based there could reach virtually all of Israel's territory.

If Israel felt "it was facing a mortal threat," Israeli Defense Minister Arens said Feb. 23, it might "decide to take some preemptive actions, as it did in

[19]74." Such a strike would surely result in the deaths of Soviet military personnel and an all-out Syrian attack. In response, the Soviet Union might choose to commit its troops in the conflict, which in turn might trigger the US 6th Fleet to prepare for nuclear strikes against the Soviet Union, as it did in 1973 under far less provocative circumstances. A strategic nuclear war could then result.

Hope lies only in the knowledge that it is in the interest of no nation to inflict a nuclear holocaust upon the world.

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Andrew F. Hillhouse '43 — President
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We welcome you to our club areas; be sure to call us when you are settled in California. We look forward to seeing you at our fall events.

On the town

The Boston Early Music Festival and Exhibition continues through May 30. Saturday's performances include music for viols, music by Ries and Brahms, and cantatas of Rameau. For ticket information and times call 262-1240.

The Boston Museum Trio will perform all five *Pièces de Clavecin en Concerts* of Jean-Philippe Rameau Sunday at 3pm in Remis Auditorium of the Museum of Fine Arts. To reserve tickets call 262-1240.

Ten Years of Video: Greatest Hits of the 70s, a collection of video tapes by American artists, will be shown Tuesday through Sunday, noon to 6pm, at the Institute of Contemporary Art, 955 Boylston Street, Boston.

The Huntington Theatre Company performs Shakespeare's *The Taming of the Shrew* tomorrow, Sunday, and Tuesday at the BU Theater, 264 Huntington Ave., Boston. For performance times and ticket information call 266-3913.

The MIT Museum will exhibit paintings by Zen Zuh Li '22 and Gyorgy Kepes throughout the summer. The museum is at 265 Massachusetts Avenue, Cambridge, and is open Monday through Friday from 9am to 5pm.

LSC Movies in 26-100
Hound of the Baskervilles, Friday, 7pm
A Study in Terror, Friday, 8:30pm
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(Reprinted from Real Paper, "Best of Boston," Fall 1980)

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Dorm residents get energy refunds

By Diana ben-Aaron

Housing and Food Services refunded money to students living in MIT dormitories and on-campus apartments because energy cost less than expected this academic year.

Undergraduates in the dormitory system received checks or credits for \$16.07 per term, Ash-down House and Green Hall residents \$16.39 per term, Tang Hall residents \$3.18 per month, and Eastgate and Westgate residents \$6.01 per month.

"When we sent out housing contracts, we said energy is a very volatile commodity at this stage in our lives, and we would adjust them as the price goes up or down," said George E. Hartwell, associate director of housing and food services.

His office calculated the refunds by dividing the difference between the amount budgeted for energy and the amount MIT charged residents for energy by the number of students in the system, Hartwell said.

The office calculated the refunds separately for each of four groups: undergraduate dormitory residents, graduate dormitory residents, unmarried graduate apartment residents, and married graduate apartment residents.

The housing system buys electricity from MIT's generators and outside utilities and purchases steam heat from the Institute, according to Hartwell.

Steam travels through metered pipes from a central Institute steam generator to all dormitories except Random Hall, which has its own steam source. Random Hall's energy costs were commensurate with those of the other undergraduate houses, and Random Hall residents received identical refunds, Hartwell noted.

The refund is not based on the severity of the winter or amount of energy used, but on the cost of energy to MIT, Hartwell noted. It was "on the light side for a winter," he added. Costs were lighter than usual for steam, but "a little higher" for electricity.

GA holds banquet, drops amendment

(Continued from page 1)

Student Committee on Educational Policy, with Douglas R. Elrod '84 as secretary.

The UA Social Council is now planning homecoming weekend, according to chairman Hendrick J. Meerman '84. The weekend is "sort of an attempt for us to try to be like a normal school," Witt remarked.

The UA should hold an open forum on homecoming weekend events, Kuntz suggested.

Win Treese '86, a member of General Assembly committee on dining and campus environment, reviewed the Kassakian dining report. The dining situation is "basically not nice," he said. Meal plans which allow students to take a second main course are dying, he said, and MIT is considering a flat rate for all commons meals.

The 500 Memorial Drive dining hall will sell food only *à la carte* beginning this fall, and Morss Hall in Walker Memorial may serve only a continental breakfast, Treese said.

The Dining Advisory Board, a group of students and members of the faculty and administration, may suggest one or more of the dormitory dining halls be closed during the January Independent Activities Period, he said.

The group also suggested imposing minimum work hours for student dining employees to save overhead costs, closing Walker for dinner or breakfast, and closing Lobdell Dining Room in the

Student Center on weekends. "Closing Lobdell on weekends doesn't make a whole lot of sense," Treese said.

Students should consider dining in their choice of dormitories, according to the Karsakian report. But the Office of the Dean for Student Affairs placed emphasis away from dining during Residence/Orientation week, according to Susanne von Rosenberg '83, treasurer of the Everett Moore Baker Memorial Foundation.

Other representatives disagreed, claiming there was no change of emphasis during recent rush weeks.

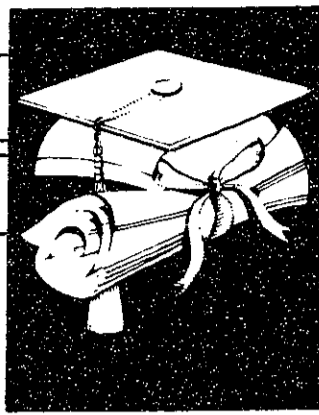
Many dormitories do not send representatives to the Dining Advisory Board, Treese said. "It can be done . . . you can have an effect on dining service."

The General Assembly dining committee is also considering a food cooperative, although the Dean's Office claims it would be difficult to implement, Treese said.

The Cambridge Food Coop could provide information, added Sara Mae Berman, administrative assistant in the Dean's Office.

"The committee is actually interested in the [cooperative] if there is support for it," Treese added.

The General Assembly presented "Pokey," "Gumby," and "Sluggo" awards at the banquet, before the regular meeting. UA officials failed to release a list of the award winners.



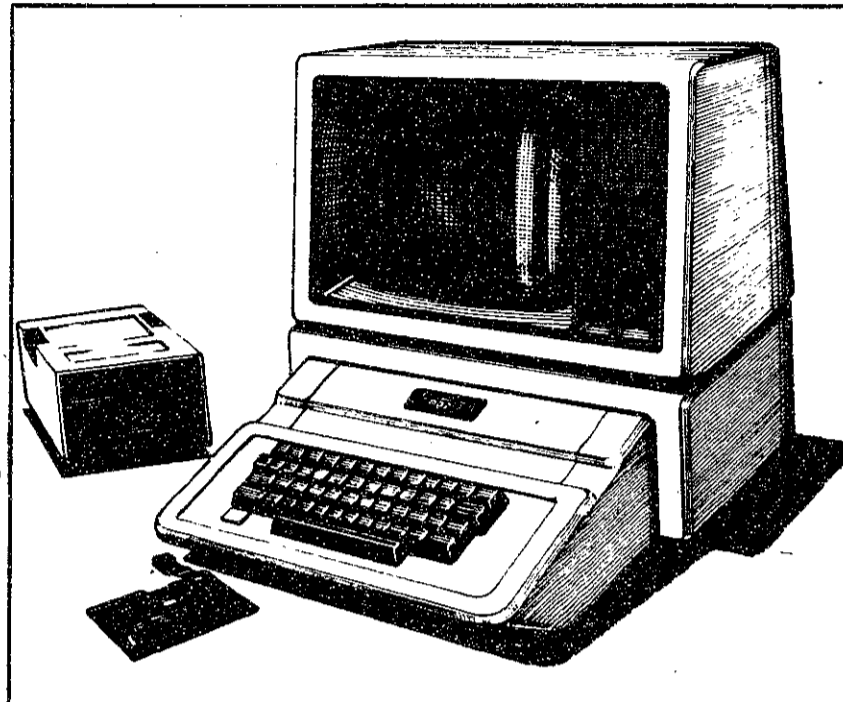
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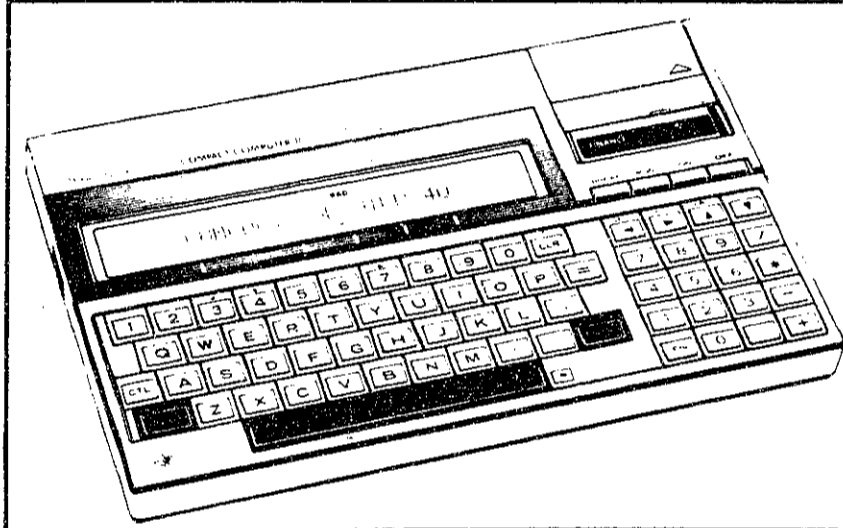


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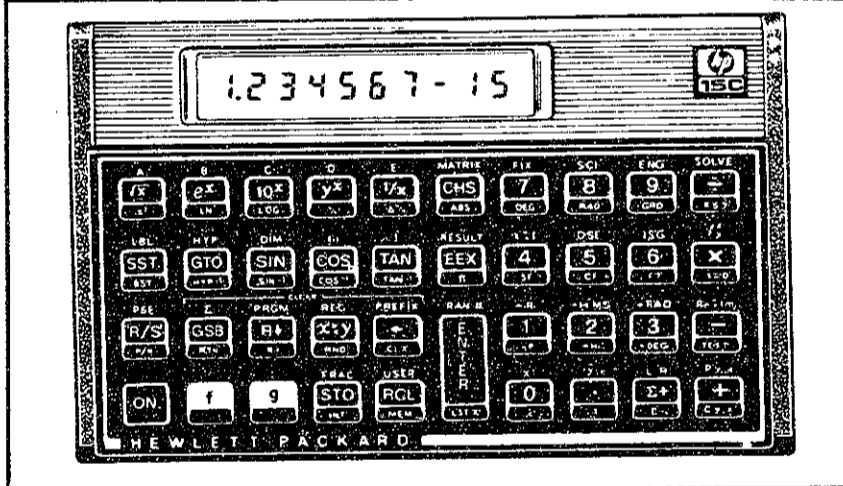


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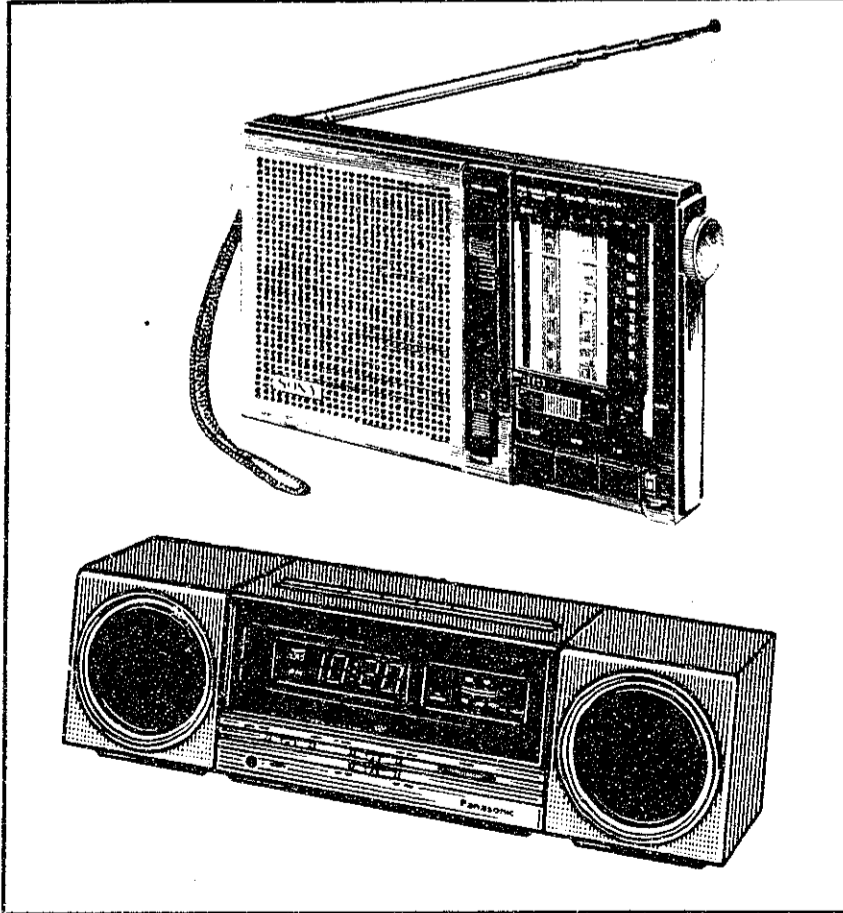


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notes

Insiders may have stolen from SCC

(Continued from page 1)

The money received for tickets to the concert was counted and placed in the safe after the April 22 concert. The money was left there for at least two weeks.

Other student organizations such as the Lecture Series Committee and the SCC's 24-hour Coffeehouse deposit large sums of money very soon after the day of receipt. The Campus Police provides escorts for safe transport to the groups' banks.

Kowtko said he "seriously doubts" that an SCC member stole the money. Approximately 30 students presently hold keys to the SCC office.

The safe is an old one, Kowtko noted, with loud tumblers which would make it easy to pick. Either he or Fradd could have inadvertently left the safe door open, letting anyone in the office have access to it, he said. "The SCC office door is usually left open despite our efforts." The group is now investigating the purchase of a new safe, Kowtko added.

"I've seen [the theft] coming for a long time," said Kowtko. "The whole damned committee is unorganized. We were not set up to prevent such a theft." Money has been taken from the safe before, he said. "The amounts [of the earlier thefts] were small, but they show how bad the security is."

SCC will change the way it handles money, Kowtko said. "When I became chairman [of SCC], I never got any instructions from the previous chairman about procedures for handling money. . . . The fact is just two years ago we went from a \$30,000 a year group to a \$100,000 a year group, and we don't know how to handle it. I've been pointing out a lot of things before; things should be run more efficiently around here."

The loss of \$6500 will not hurt SCC financially, Kowtko said. The group's revenue has increased substantially in the last two years, while its expenses have not. Most of the surplus money has been going into interest-earning accounts, he said.

The MIT Community Players is holding **open auditions** for *The Gondoliers*, a Gilbert and Sullivan operatta on Jun. 6, 7, and 8 in Kresge Auditorium, Rehearsal Room A, from 7-10pm. Please prepare a Gilbert and Sullivan song.

Larry Burton, an experienced family therapist, will discuss "**Making Relationships Work After Divorce**" at 8pm on Monday, Jun. 20, at the Riverside Family Counseling offices, 259 Walnut St., room 14, Newtonville. For more information, please call 964-6933.

The Harvard Summer Dance Center will sponsor a Monday series of **dance lectures** in July. All lectures will take place in Boylston Hall, Harvard University at 7:30pm. Please phone Iris Fanger, 495-2921, for details.

Off-Campus

Your Lung Association is celebrating **clean air week** May 2-8 by offering free auto emissions testing all during May at selected locations in Eastern Mass. For details, call your local American Lung Association.

Cambridge College will offer a four month career transition program entitled "**Corporate Careers**" beginning in May, 1983. For additional information, please call Carolyn Ingles or Charles Diggs at 492-5108.

Listings

Student activities, administrative offices, academic departments, and other groups — both on and off the MIT campus — can list **meetings, activities, and other announcements** in *The Tech's* "Notes" section. Send items of interest (typed and double spaced) via Institute mail to "News Notes, *The Tech*, room W20-483," or via US mail to "News Notes, *The Tech*, PO Box 29, MIT Branch, Cambridge, MA 02139." Notes run on a space-available basis only; priority is given to official Institute announcements and MIT student activities. *The Tech* reserves the right to edit all listings, and makes no endorsement of groups or activities listed.

Announcements

Second Term Grade Reports will be mailed Tuesday, May 31 to home addresses for American and Canadian students and term addresses for foreign students.

Associate Advisors are still needed for next year. Interested students should stop by the Undergraduate Academic Support Office, room 7-104 and fill out an information sheet. Students who have already arranged to work with a particular advisor should still fill out a form so that we have your summer address.

The MIT U.H.F. Repeater Association offers radio communications assistance to any MIT event free of charge. If you or your group are interested, contact Richard D. Thomas, room W20-401, or call 354-8262 for details.

Want to **call incoming freshmen** in your area to give them a personal welcome to the Institute, answer questions, or just chat? If you'd like to volunteer for the Summer Contact Program sign up in the Undergraduate Academic Support Office, room 7-104.

Lectures

"**Dealing with Children During and After Separation**" is the title of a free lecture-discussion to be given at 8pm on Monday, Jun. 6, at the Riverside Family Counseling offices at 259 Walnut St., room 14, Newtonville. The issues that children face when their parents divorce will be explored from a developmental point of view. For more information, call 964-6933.

The FLAME Self-Help Group will meet on Monday, Jun. 13, 7pm, at the Faulkner Hospital Auditorium. The guest speaker will be **Mr. Hiriam Nickerson**. For further information, contact Kay Cunningham at Faulkner Hospital, 522-5800, ext. 1450.

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HOW TO SAVE YOUR LIFE AND THE ONE NEXT TO YOU.

OVERCOMING YOUR PSYCHOLOGICAL RESISTANCE TO SEAT BELTS MAY BE THE KEY.

The facts are startling. Experts estimate that almost half of all automobile occupant fatalities and many serious injuries might have been avoided if the people had been wearing seat belts. That's because most injuries occur when the car stops abruptly and the occupants are thrown against the car's interior or out of the car. Belts reduce this risk.

Many people say they know the facts, but they still don't wear belts. Their reasons range all over the lot: seat belts are troublesome to put on, they are uncomfortable, or they wrinkle your clothes. Some people even think getting hurt or killed in a car accident is a question of fate; and, therefore, seat belts don't matter.

If you're one of those people who don't use belts for one reason or another, please think carefully about your motivations. Are your objections to seat belts based on the facts or on rationalizations?

Here are a few of the **common rationalizations**. Many people say they are afraid of being trapped in a car by a seat belt. In fact, in

the vast majority of cases, seat belts protect passengers from severe injuries, allowing them to escape more quickly. Another popular rationalization: you'll be saved by being thrown clear of the car. Here again, accident data have proved that to be untrue — you are almost always safer inside the car.

Some people use seat belts for highway driving, but rationalize it's not worth the trouble to buckle up for short trips. The numbers tell a different story: 80% of all automobile accidents causing serious injury or death involve cars traveling under 40 miles per hour. And three quarters of all collisions happen less than 25 miles from the driver's home.

When you're the driver, you have the psychological authority to convince all of the passengers that they should wear seat belts. It has been shown that in a car, the driver is considered to be an authority figure. A simple reminder from you may help save someone's life.

Another common myth: holding a small child in your arms will provide the child with sufficient protection during a crash. The safety experts disagree. They point out that even during a 30 mph collision, a 10-pound child can exert a 300-pound

force against the parent's grip. So please make sure Child Restraint Systems are used for children who aren't old enough to use regular seat belts.

If you're an employer, encourage your employees to wear seat belts. At GM, we've made it a matter of policy that everyone riding in company-owned vehicles is expected to wear lap and shoulder belts.

We heartily support the program initiated by the National Highway Traffic Safety Administration to encourage the use of seat belts. So please fasten your own belt, and urge your family and friends to follow your example. Even the best driver in the world can't predict what another driver will do.

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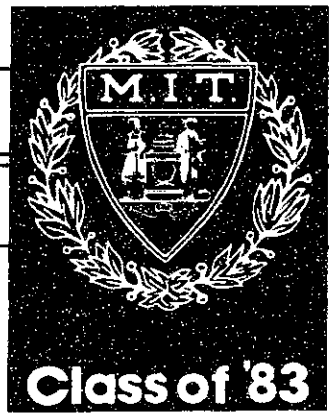
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B. M.I.T. Insignia Ties. Maroon or navy with woven repeat pattern. Polyester \$10. Silk \$22.50.

C. Insignia Umbrellas in red and white nylon. Straight umbrella or folding travel umbrella, each \$15.

D. M.I.T. Glassware. Crystal clear with platinum rim, seal. Hi-ball \$2.75. Single old-fashioned \$2.25. Double old-fashioned \$2.95.

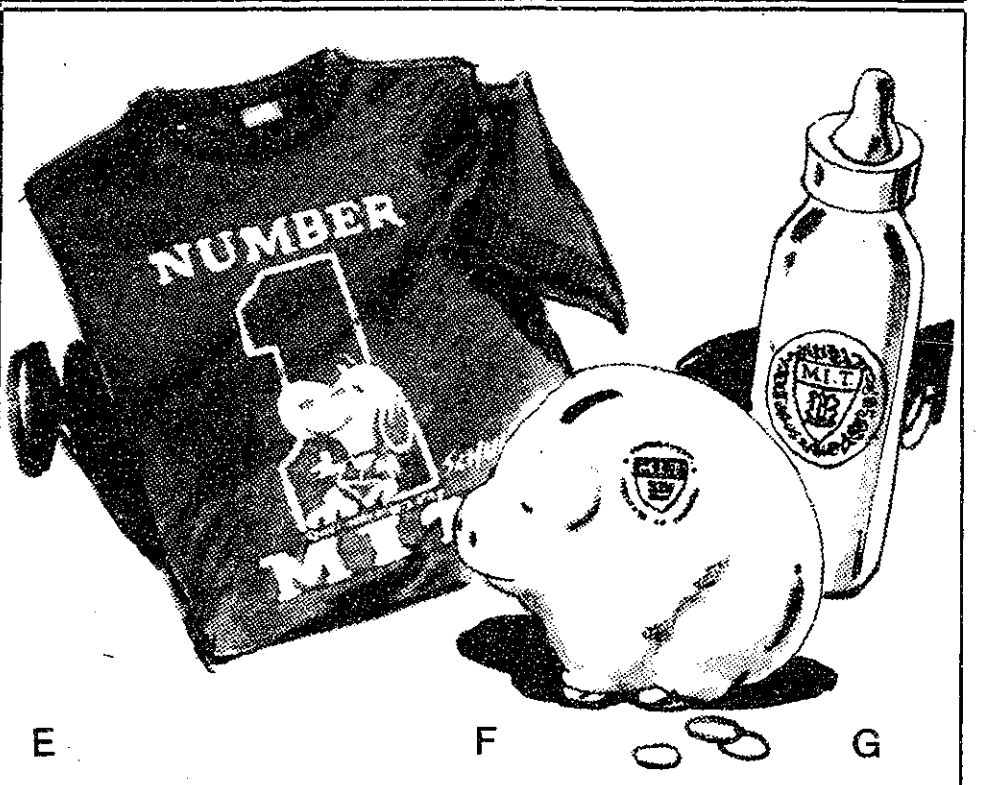
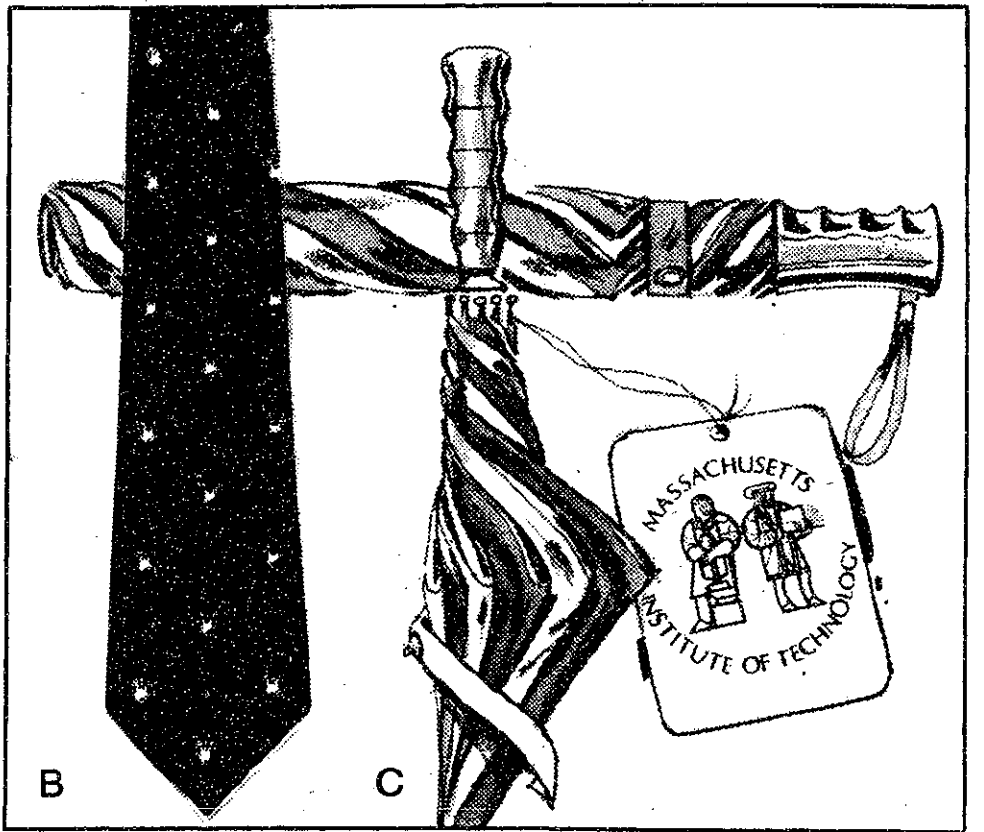
E. Snoopy "Number 1" T-Shirt. 100% cotton in scarlet. S-M-L-XL. \$9. Children's \$7.

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Off-Campus

The Boston University School of Nursing (SON) will sponsor a week-long review session for the state Registered Nurse Licensing Examination, Monday, Jun. 6 through Friday, Jun. 10, from 9pm-5:30pm. Registration deadline is Jun. 1. For more information, call Marcia D. CePace at 353-4094.

The Cambridge Center Performance Group is pleased to announce its spring production of "The firebugs" by Max Frisch and directed by Chuck Pacheco. Performances are Jun. 4, 5, 11, and 12 at 8pm at 56 Brattle St., Cambridge. Reservations are suggested. Please call 547-6789 for more information.

The Second Annual Conference on Industry and Mental Health will be held Jun. 6 and 7 from 8:30am-5:00pm at Boston University's George Sherman Union, Ca.; Ellin Reiser or Brad Goo-gins at 353-3811 for more information.

Medicine Story, Wampanoag Medicine Person and Keeper of the Lore will be one of the workshop leaders at a Storytelling Conference at Another Place Conference Center in Greenville, N.H. on Jun. 10-12. For information, call or write Another Place, Greenville, N.H. 03048, 603-878-9883.

A dance performance by DancVisions will take place Friday and Saturday, Jun. 10 and 11, at 8pm, at the Joy of Movement Studio/Theatre, 536 Massachusetts Ave. For information, contact 492-7578.

Bicycle tour enthusiasts are invited to join the MS Bicycle Tour on Jun. 12th starting in Hingham, Mass. Three scenic routes have been planned by the MS Society and local bicycling club mem-

bers. Call Linda or the MS Bike Tour Hotline in Waltham at 890-4990 for more information or to register for the tour.

The Joy of Movement Center, 536 Massachusetts Ave., Cambridge, will sponsor a dance performance by Dance Gallery on Jun. 24, and 25 at 8pm. Contact Jeremy Allinger, 492-7578 for more information.

The Boston University Theatre Institute is offering a new musical theatre option to students this summer, from Jun. 27 to Aug. 5. For more information and applications, contact Jane Armitage, Boston University Theatre Institute, 225 Bay State Rd., 02215.

Harvard University Dance Center is sponsoring a Tuesday evening film series beginning Jun. 28. All movies will be shown at 7:30pm at the Harvard Science Center. For more information, please contact Iris Fanger, The Dance Center, Harvard Summer School, 20 Garden St., Cambridge, 02138, 495-2921.

The Harvard Summer Dance Center is sponsoring two weekend dance concerts, to be held at 8pm at a place to be announced. The Elisa Monte Dance Company premieres July 22-23, and Bill T.

Jones/Arnie Zane and Company is featured July 29-30. For more information, please contact Iris Fanger, The Dance Center, Harvard Summer School, 20 Garden St., Cambridge, 02138, 495-2921.

Brockton's 13th annual summer festival, Summerfest '83, will take place on the grounds of Brockton High School on Aug. 6 and 7. All questions should be addressed to Art Chairperson, Fran Zaksewski or Crafts Chairperson, Bibbi Kramer, at the Community School Office at 580-7597.

Yoga exercises and meditation classes are taught Wednesday evenings and Sunday mornings by a certified teacher and are designed for students of all levels of experience at the Sidha Yoga Meditation Center, 155 Clyde St., Chestnut Hill. \$5 per class. Call 734-0137 for more information.

A series of 12 articles dedicated to better reading, writing and communications skills is being offered free to college students by International Paper Company. This "College Survival Kit," can be obtained by writing International Paper Company, College Survival Kit, Dept. P., PO Box 954, Madison Square Station, New York, N.Y. 10010.

Housing needed for university couple September 1983 - June 1984. Rental, or exchange for house in La Jolla. Contact Professor William Nachbar: AMES, B-010; University of California, S.D.; La Jolla, CA 92093. Phone (619) 452-4283.

8 min's to Harvard Yard - 5 room apartment, \$450/mo. nice kitchen and bath. Natural woodwork. Ask for Darin 625-0494. Available June 1st.

Summer Sublet, 2 bedrm, living room-kitchen-dining area, Air Conditioning, 466 Commonwealth Ave. Boston. Call (203) 651-9196.

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Incoming Harvard Divinity School student seeks summer employment, possibly extending part-time into the Fall. I can type 90-120 wpm. References. Please phone James Adler, 864-1018. Keep trying or leave message. Thanks.

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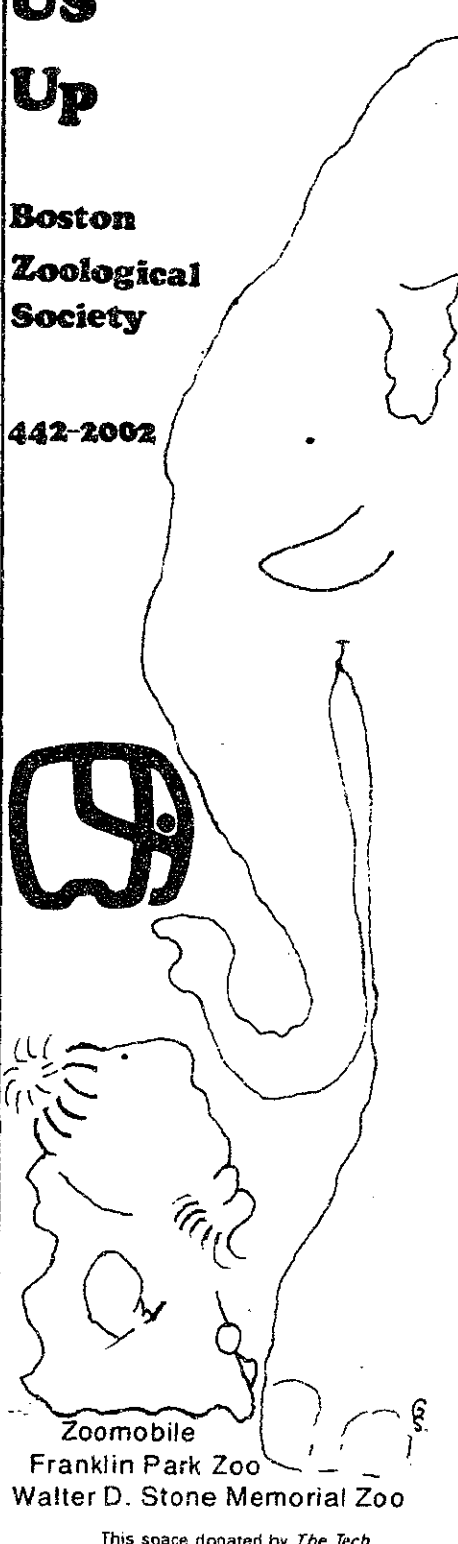
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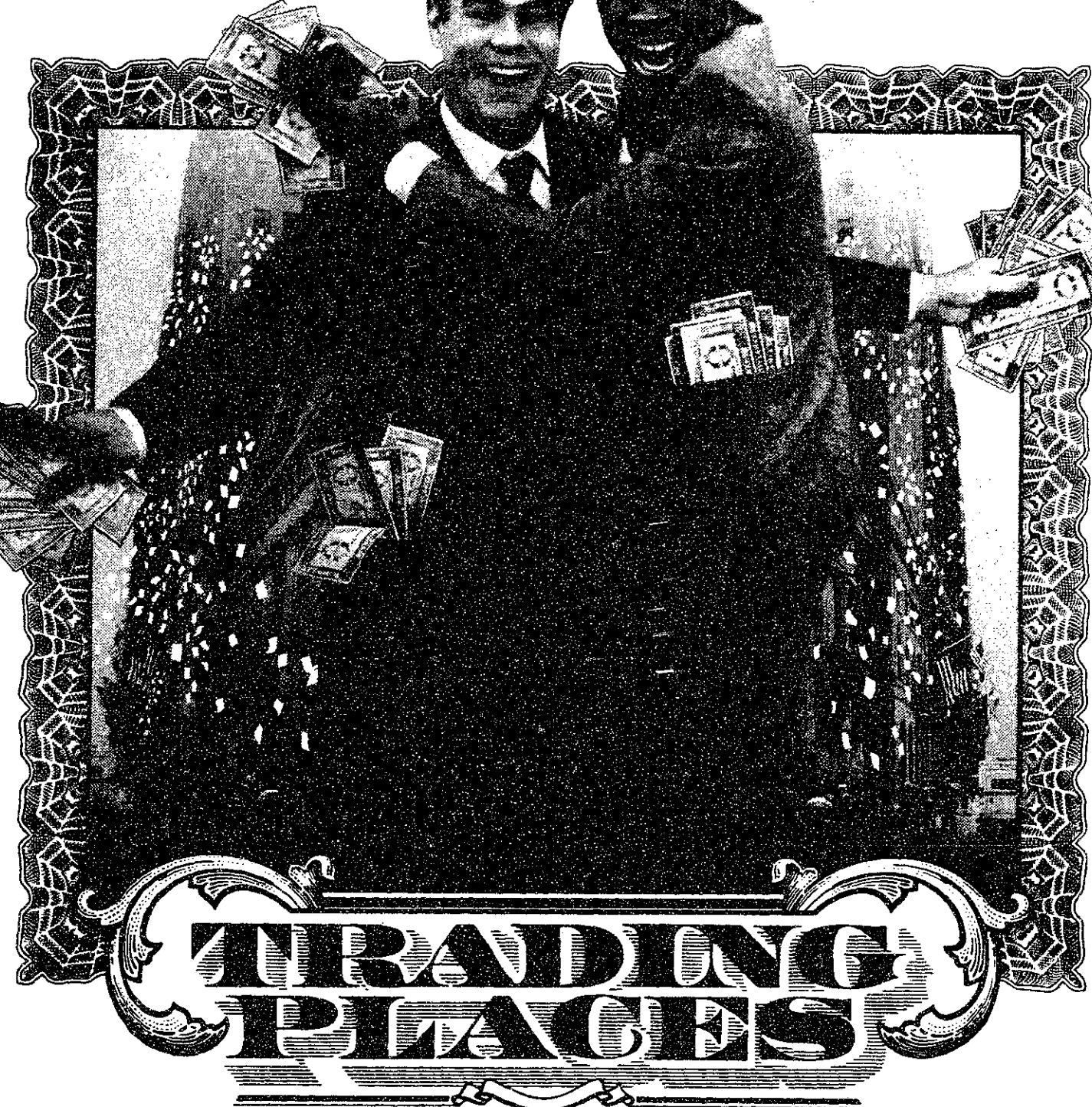
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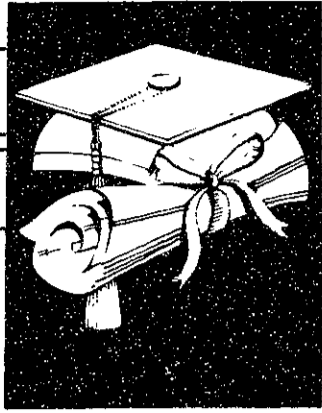
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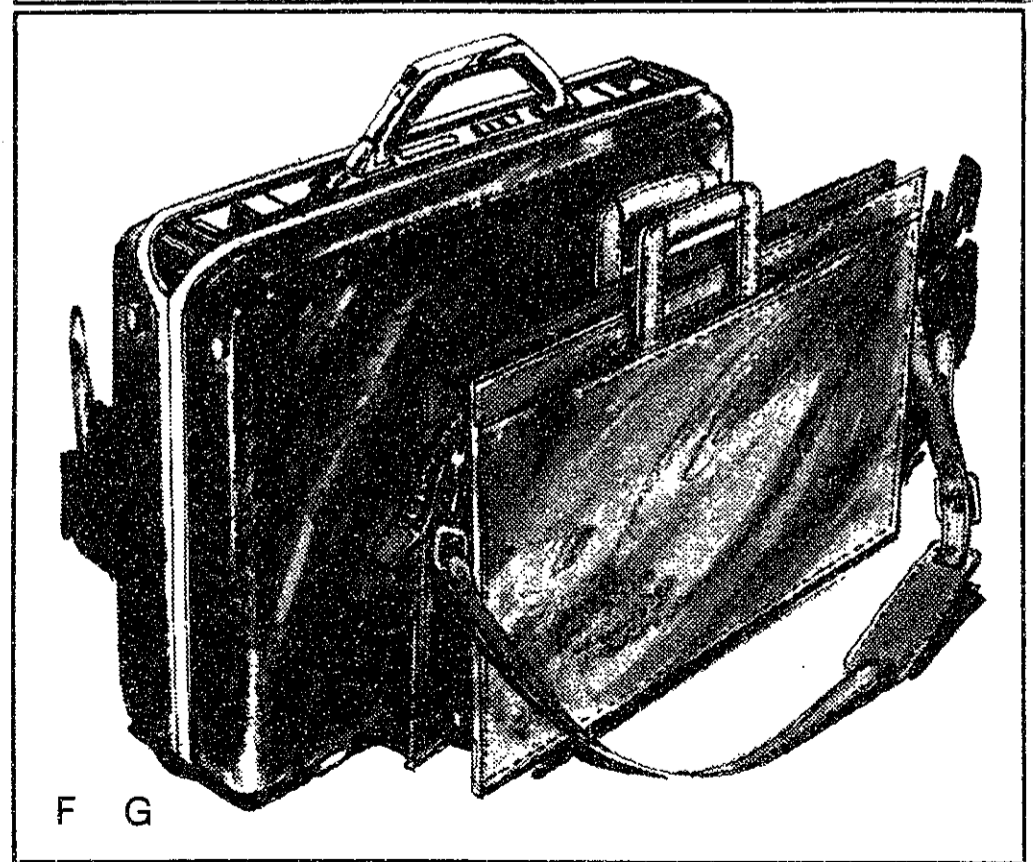
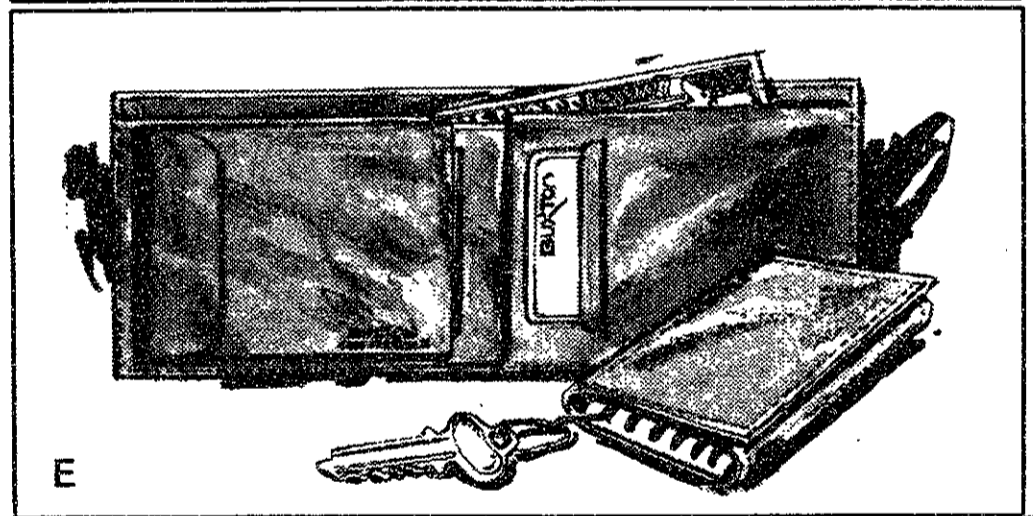
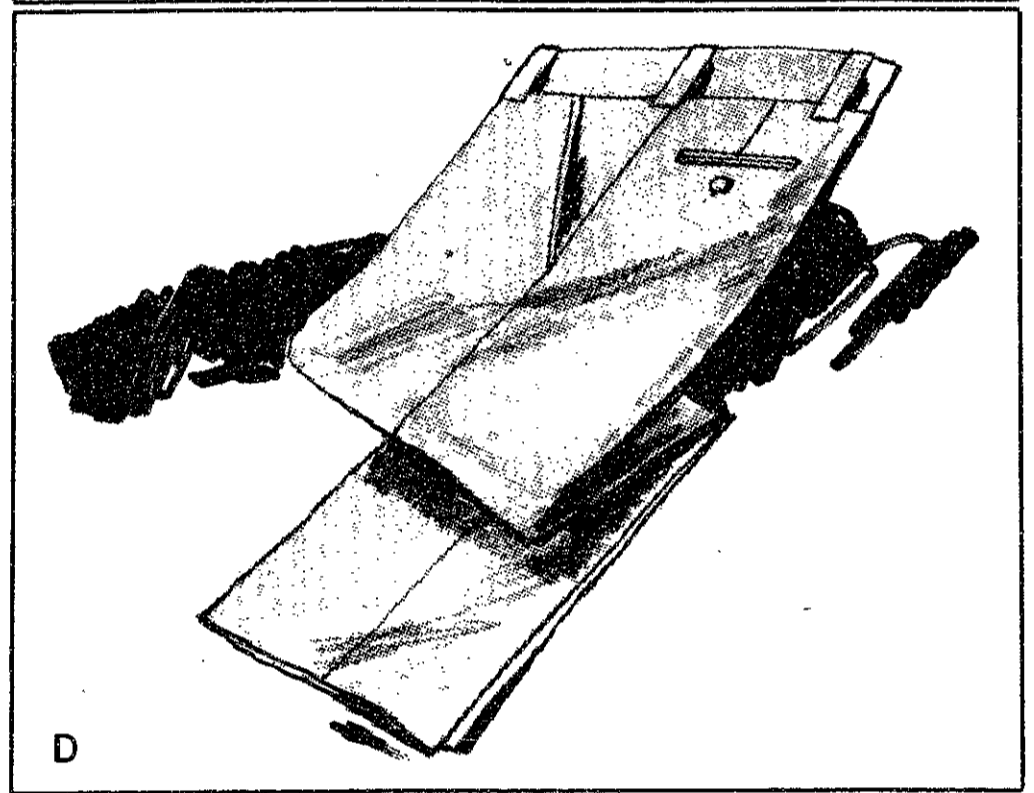
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Baker designed to honor former dean

By Thomas Huang

Editor's note: This article is the third in a series on the history of MIT.

"We need to add considerable extra-curricular influences to afford our students, who are so definitely limited by the requirements of their courses, greater opportunity to secure a larger portion of the enriching experiences more easily available in a liberal arts college."

— Everett Moore Baker

Everett Moore Baker, former dean of students, died in a plane crash in August 1950, only a year after MIT students occupied a new dormitory on Memorial Drive. The building, then called the New Senior House, is now known as Baker House.

Baker was born in 1901 in Newtonville, Mass. He graduated from Dartmouth College 23 years later. Baker had been pastor of the First Unitarian Church in Cleveland for four years when MIT appointed him dean of students in 1947.

Baker encouraged extracurricular activities and student counseling to develop citizenship and widen students' perspectives.

"The current emphasis on highly specialized vocational and professional education must make room for a greater concern ... for the special responsibilities of living in a cosmopolitan democratic society in order that the present decisive factors of prejudice, greed, and ignorance shall be purged," Baker wrote in March, 1948.

Baker underscored the importance of good student morale in an improved living environment. He told the 1948 Committee on Financial Development that MIT should strive for better student housing.

MIT lacked sufficient housing for the hundreds of married veterans who returned from World War II in 1945. The Institute built barracks on the west end of Briggs Field to accommodate the veterans: 100 cottages, each housing one or two families, covered ten acres of land on Memorial Drive, west of Massachusetts Avenue.

notes

Off-Campus

Metropolitan College at Boston University is offering a series of 18-hour, noncredit courses that give instruction on using a personal computer. The classes meet six hours for three consecutive Saturdays. A new session will begin the first Saturday of every month. To register, contact Mary K. Segó at 353-4746.

Are you bothered by stuttering when you speak? Beth Israel Hospital's speech pathologist evaluates and treats communication disorders affecting speech, voice, or articulation. Call 735-2073 for more information.

Those with the time and inclination to do volunteer work are encouraged to join the Network of Goodwill. To receive information as to what opportunities may be available in your area of interest, please call Althea, 491-8158, or Mary, 323-0888 mornings or 522-0800 9-noon Tuesdays.

The Beth Israel Hospital Back Pain School teaches back pain sufferers simple techniques and exercises to help manage and soothe the discomforts of back pain. Held four consecutive Mondays, 4:30-5:30pm. New groups begin monthly. Cost for four sessions: \$80. Call 735-3940 for details.

MIT bought a nearby apartment building and transformed it into Burton House in 1948. The administration also asked Alvar Aalto, a visiting professor from Finland, to design a new men's dormitory on the west side of the campus. The new senior house was expected to house 350 students.

"The New Senior House now under construction is our first important permanent addition to our undergraduate dormitories since the [early 1900s]," Baker wrote in 1948. "Including about 500 students living in temporary barracks, less than one-third of the student body live together as members of a community."

"Wisdom is learned from the situation in which the student lives in his environment: his dining hall, his dormitory ... his fraternity," Baker continued.

"What is the one best way for college men to live? Some singly, some in pairs ... some noisily, others in quiet," commented *Architectural Record* in December

1947. "Aalto has imagined most of the students approaching sociably together; splitting off in groups and dispersing as they mount the spreading stairs."

The dormitory's serpentine curve lets the students watch the Charles River upstream and downstream. "When you stand by a river and look, which way do you stand?" Aalto asked. "Do you stand square in front? No, you look upstream or down. So, we shall do that in our building. The rooms will look upstream or down."

The building is designed so that none of the rooms face north, and all encounter sunlight at some time of the day.

The anguine walls prevent one side from indicating the other's appearance, providing "a contradiction to the powerful and inhuman monotony of the ground plan of a normal American city with its checkerboard netting," Aalto wrote in the 1940s.

"Let no young pilot try to manage a curved building. That

is for old hands," said Aalto, an avid reader of Mark Twain, borrowing from *Life on the Mississippi*.

"The dining room structure is the real building, and the dormitory is just the backdrop," Aalto joked. The Institute spent \$2,500,000 on this backdrop, with help from a \$500,000 Alumni Association gift.

MIT was dissatisfied with Aalto's initial design, demanding more rooms with less expense. Aalto had to alter his design and add about 60 rooms which would not have views of the river. He relinquished his idea of placing metal trellises on the dormitory walls to hold vines for a cool summer shade. He also dropped his plans for a roof garden.

Aalto decided against designing the new dormitory in the international style, with white walls. He chose to use red New England brick to match the walls of the neighboring Ashdown and Burton Houses.

The dormitory's "flexible, flow-

ing spaces" caused a few conflicts with the Cambridge building code, according to *Architecture Plus*, July 1973.

Construction began in 1947 and ended the next year. Aalto left the country before his dormitory was occupied because his wife had fallen ill; she died in 1949.

Baker flew to Bombay, India, in August 1950 to preside over a meeting of the International Student Service Organization. He died on the return voyage when his airplane crashed near Cairo.

The students and faculty of MIT renamed the new dormitory Baker House in memory of "a protagonist of the students," according to James R. Killian, Jr., '26, president of MIT.

Baker's "ideals and hopes were expressions of his deep preoccupation with the central importance of the individual and with those human values which contribute toward making the individual a better citizen and a better human being," Killian said.

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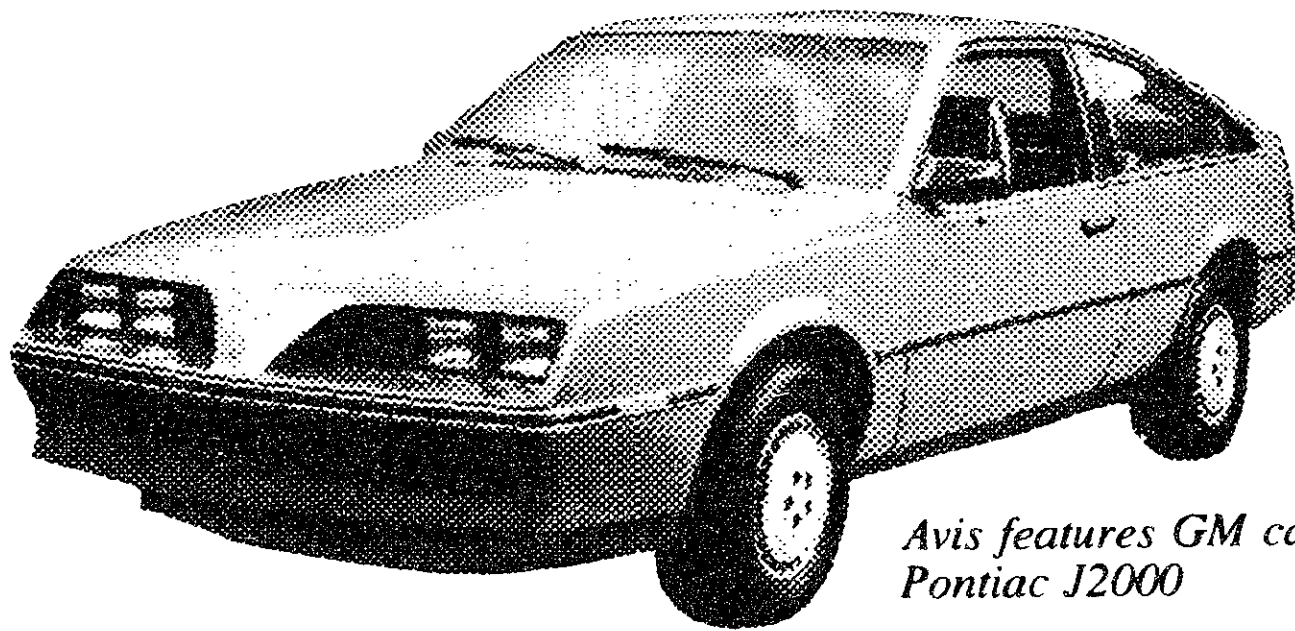
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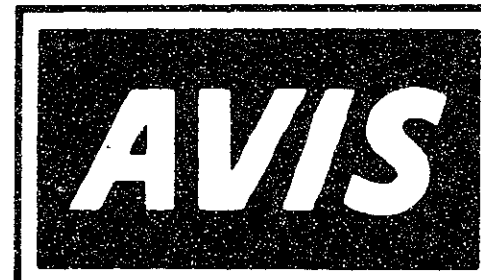
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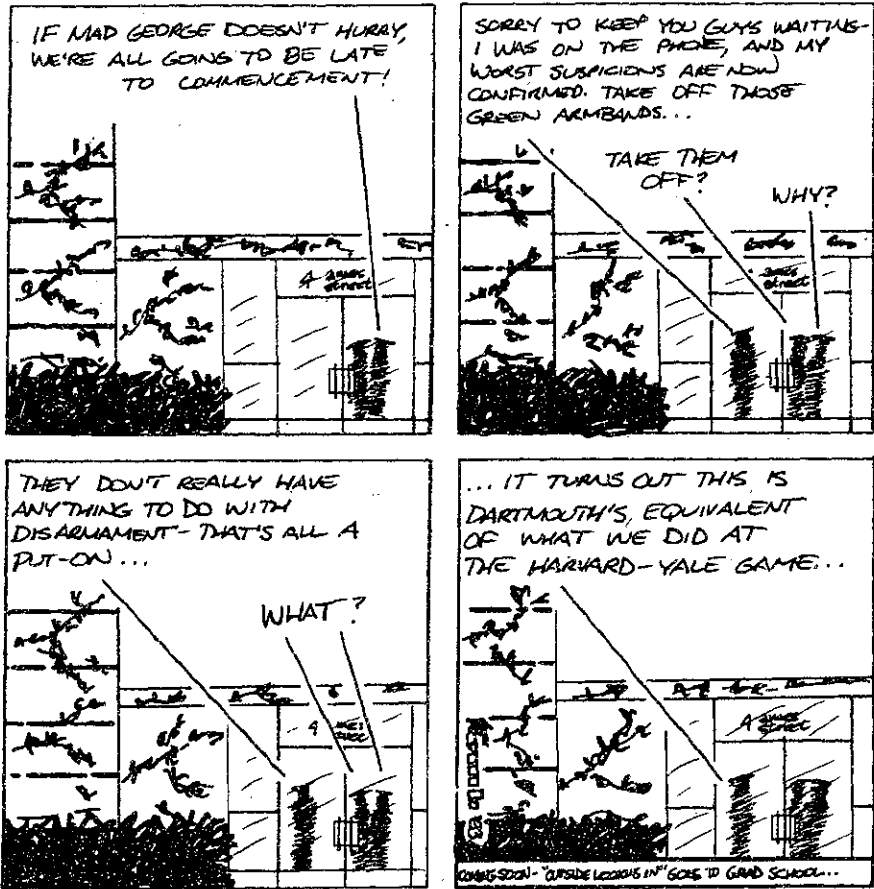
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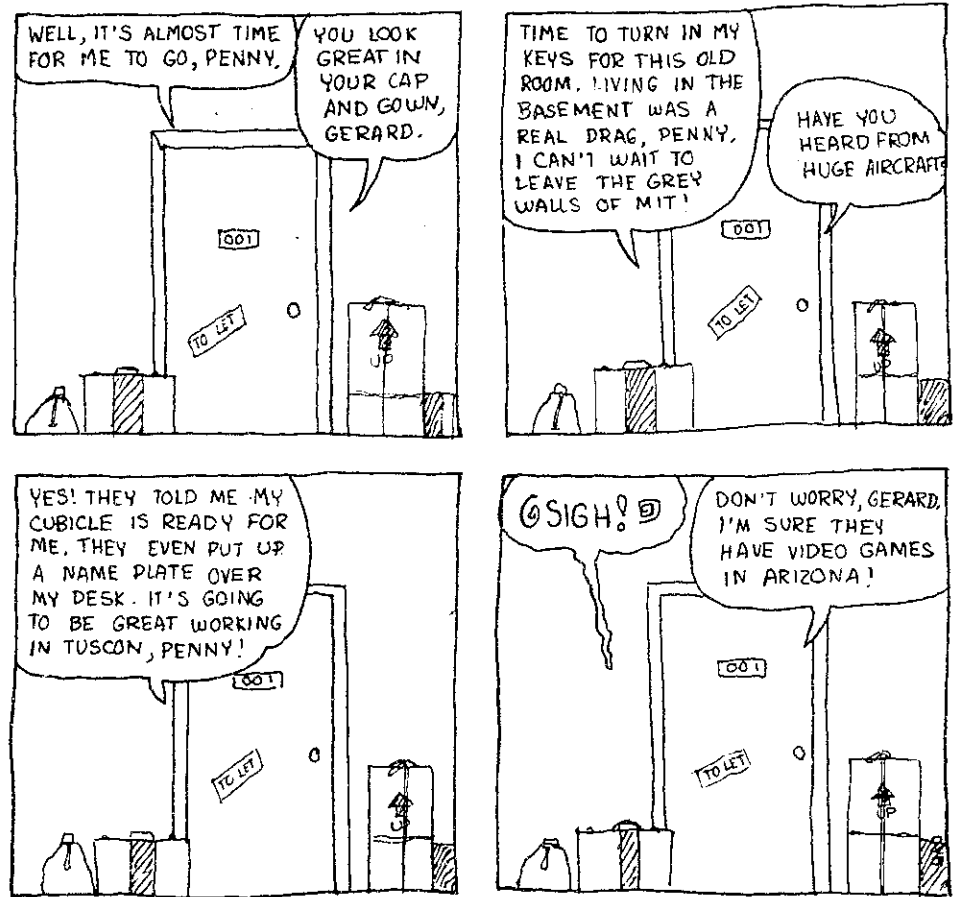
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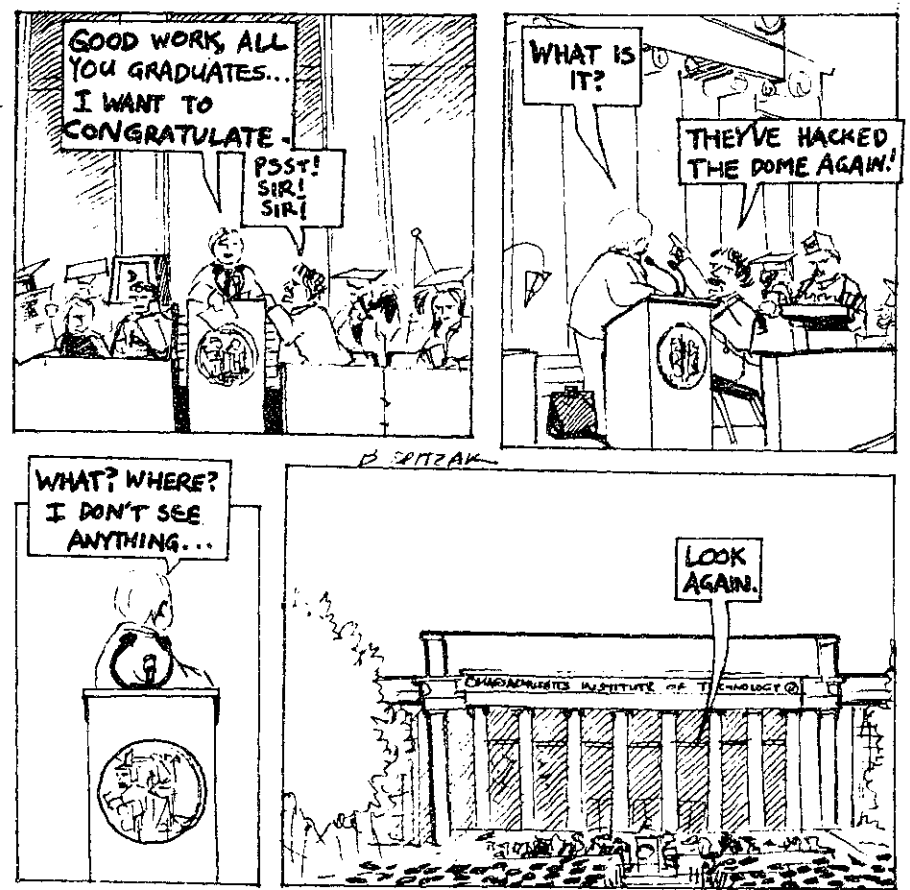
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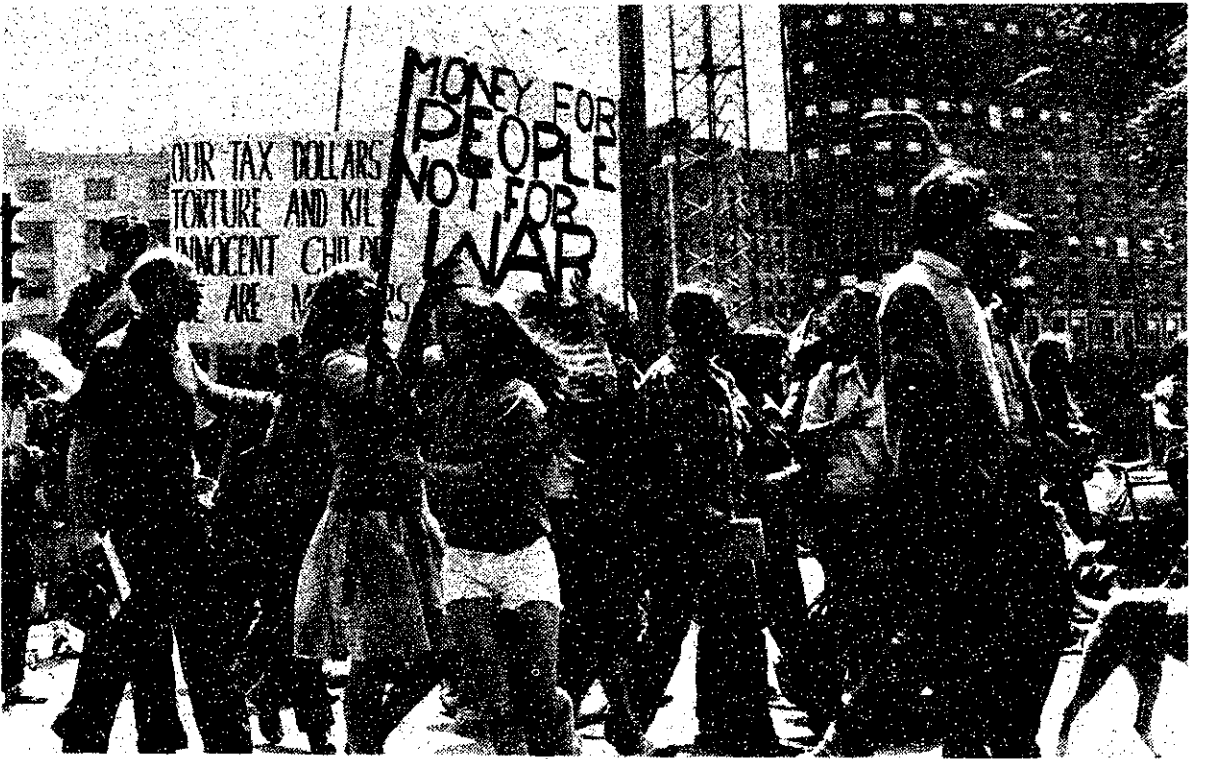
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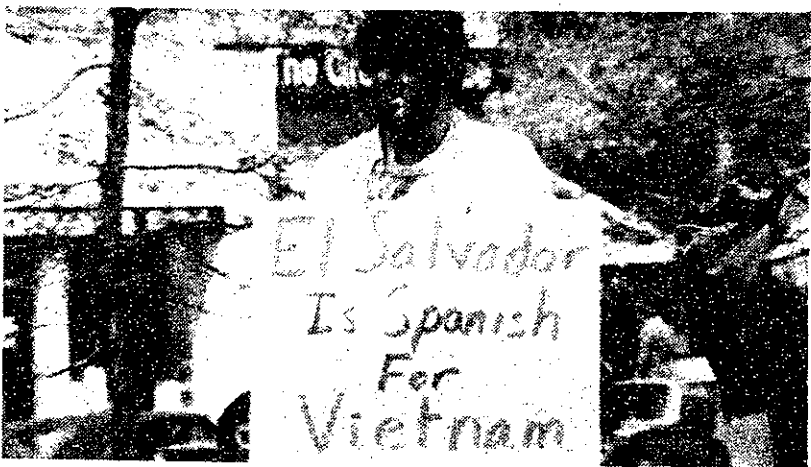
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An estimated 4000 Bostonians marched from Copley Square to Government Center on May 14, 1983. The march, held to protest US intervention in Central America, was sponsored by community, church, and student groups from Maine to Connecticut. Among the protestors who attended the rally were members of the MIT Committee on Central America and La Unión Chicana por Aztlán. Governor Michael Dukakis and Boston mayoral candidate Mel King were among the politicians who sent letters of support for the rally. Rusty Davenport, the master of ceremonies from OXFAM America, began the rally at Government Center with a call to end the "secret" US-sponsored war against Nicaragua. Representatives from the Nicaraguan government and the Salvadoran opposition political organization, the Frente Democratico Revolucionario, were the main speakers. Also on hand to provide his political message through song was Puerto Rican Roy Brown. The rally ended five hours after the march began.



OMAR S. VALERIO