



Tech photo by Henry Wu

Director of Admissions Peter H. Richardson '48 will retire this September.

## Richardson retires after 20 years in Admissions Office

By Charles P. Brown

Director of Admissions Peter H. Richardson '48 said yesterday he will accept early retirement effective Sept. 1, 1984. He has been director of admissions since 1972.

"I've worked here for twenty years, and I've loved every minute of it," Richardson said. "I want to do something different, and I don't know what I want to do next . . . I'll have time to think about what I'll do next."

Richardson said remaining until Sept. 1 will allow him to complete the plans for the admissions process for the Class of 1989 and to address the Class of 1988 at the Freshman Picnic.

Richardson notified Institute Vice President Constantine B. Simonides of his intention to retire on April 3, 1984, he said, and announced his decision to the admissions office staff last week.

Simonides said that plans are being developed for an advisory committee to assist in the search

process.

Julia C. McLellan, senior associate director of admissions, has decided to postpone her planned retirement in July to act as the temporary director of admissions until the successor to Richardson is named, Simonides said.

Director of Personnel James J. Culliton said faculty and staff with ten or more years of service have the option of an early retirement at age 55. Those seeking early retirement between the ages of 60 and 65, he said, receive an "early retirement supplement" that declines with age of retirement. The normal retirement age is 65, Culliton said, and the mandatory retirement age is 70.

Richardson said he and his wife plan to move to Woodstock, Vermont, where they have owned a house for the past 15 years.

He prefers not to call his departure a retirement. "Retirement is not a comfortable term for a man who feels as vigorous as I do," he said.

Richardson received an SB in general engineering from MIT. He was employed as a teacher and in several other capacities at the Webb School in California, the Putney School in Vermont, the Pomfret School in Connecticut, and at Athens College in Greece before return to MIT as the associate director of the Admissions Office in 1962.

## Disposal problem is a threat to MIT research

By Kevin D. Hurst

First in a series

A pending crisis in low-level radioactive waste disposal threatens research funding and employment in MIT laboratories, according to Francis X. Masse, radiation protection officer at MIT.

A 1980 congressional resolution allows the three existing disposal sites in South Carolina, Washington, and Nevada to begin refusing waste from other states in 1986.

"It will take a minimum of five years to build a disposal site in Massachusetts," Masse said. "Yet here we are in 1984 still debating the issue." A regional compact that would involve rotating the site among the New England states is another possibility for waste disposal.

"Without a solution, the Nuclear Regulatory Commission will most likely have to limit our license and restrict research to the use of only short-lived radioactive materials," Masse said.

MIT generates one truckload of waste a year, most of it from research laboratories, while a small part comes from the MIT reactor and the linear accelerator in Middleton, Masse said. These operations would be shut down or severely restricted by the un-

availability of a disposal site.

"The only way we can foresee continued operation between the 1986 deadline and the time when a new disposal facility will be ready is through some interim storage or extended grace period for the ultimate disposal of the waste," he said.

Up to \$75 million in MIT research funding could be eliminated by restricting radioactive material use, Masse said.

Massachusetts, the largest generator of low-level radioactive wastes in the nation, has had political difficulties in forming a New England compact. One problem is a 1982 proposition, approved by Massachusetts voters and now a state law, requiring a state-wide referendum before the state can construct a low-level waste facility or join any interstate compact.

The Jan. 20 issue of *Science* called the predicament "an extreme example of the political sensibilities involved in the nuclear waste issue."

A special legislative session and the creation of a low-level waste commission represent Massachusetts' attempts to deal with the problem. "Finally, the state has decided to get down to business," Masse said.

## Students plan to establish fund to help non-registrants

By Harold Stern  
First in a series

A group of MIT undergraduates are trying to set up a scholarship fund for students who lost federal aid because they did not register for the draft, according to Richard A. Cowan '84, former president of his class.

The Solomon Amendment, which took effect July 1, prohibits federal aid to students who do not sign a statement of compliance indicating they registered for the draft.

Senior Vice President William R. Dickson '56 said, "We will not replace federal aid that was lost by these students with MIT funds. If they choose to set up the fund in order to give out the money, it becomes MIT's money, and our position is that we will not accept funds for that purpose."

In February, the Class of 1984 allowed Cowan to research the idea to include the fund in a class gift, but the class later voted to "not endorse the idea [and to have] nothing to do with the fund," said Michael D. Battat '84, class vice president.

Diane Peterson, president of the Class of 1984, said, "When the new board came into place, we decided that we were not sure how representative the idea was. All the input that I have received has been negative." The new board voted not to sponsor this scholarship, she said.

Battat said if MIT cannot fund non-registrants "we will not." He said the Class of 1984 is "not a political organization."

The Class of 1984 did, however, give Cowan the opportunity to present his ideas to solicitors at a fund-raising brunch, and it also publicized the fund in the class newsletters, Peterson said.

Cowan said he and several students spoke with members of the MIT administration about the possibility of establishing such a fund since the beginning of this term.

They thought of creating a restricted gift to the Institute, which would mean MIT could only use the funds for the speci-

fied purpose, in this case to help the non-registrants.

Although MIT will not replace federal aid lost by these students, the Institute has attempted to acquire loans for them from outside institutions, Dickson said. Arrangements have been made at Shawmut Bank to facilitate the

## New freshman option to commence next fall

By Paul Duchnowski

Some 40 to 60 members of the entering class of 1988 will be able to take part in the Integrated Studies Program, a new academic option for freshmen, according to the 1984-85 Freshman Handbook.

The program will be available for an initial trial period of three years.

Leon Trilling, professor of Aeronautics and Astronautics and designated director of ISP, said the program in Science, Technology, and Society (STS) "will have administrative responsibility" for the Integrated Studies Program.

The program will try to "provide for a group of freshmen an educational experience [emphasizing] the connections of the scientific disciplines with their cultural contexts and their applications to meet human needs," according to a draft proposal the Committee on Educational Policy approved on March 21.

It will try to accomplish this "in surroundings which allow the participating students and faculty to develop the sense of a shared intellectual experience," the proposal stated.

"We would like to develop a sense of community. For example we will encourage students to work together on homework," Trilling said.

Margaret L. A. MacVicar, professor of physics and a member of the ISP faculty, said the Integrated Studies Program will try to make the students more aware of the "context of science and engineering as human endeavors."

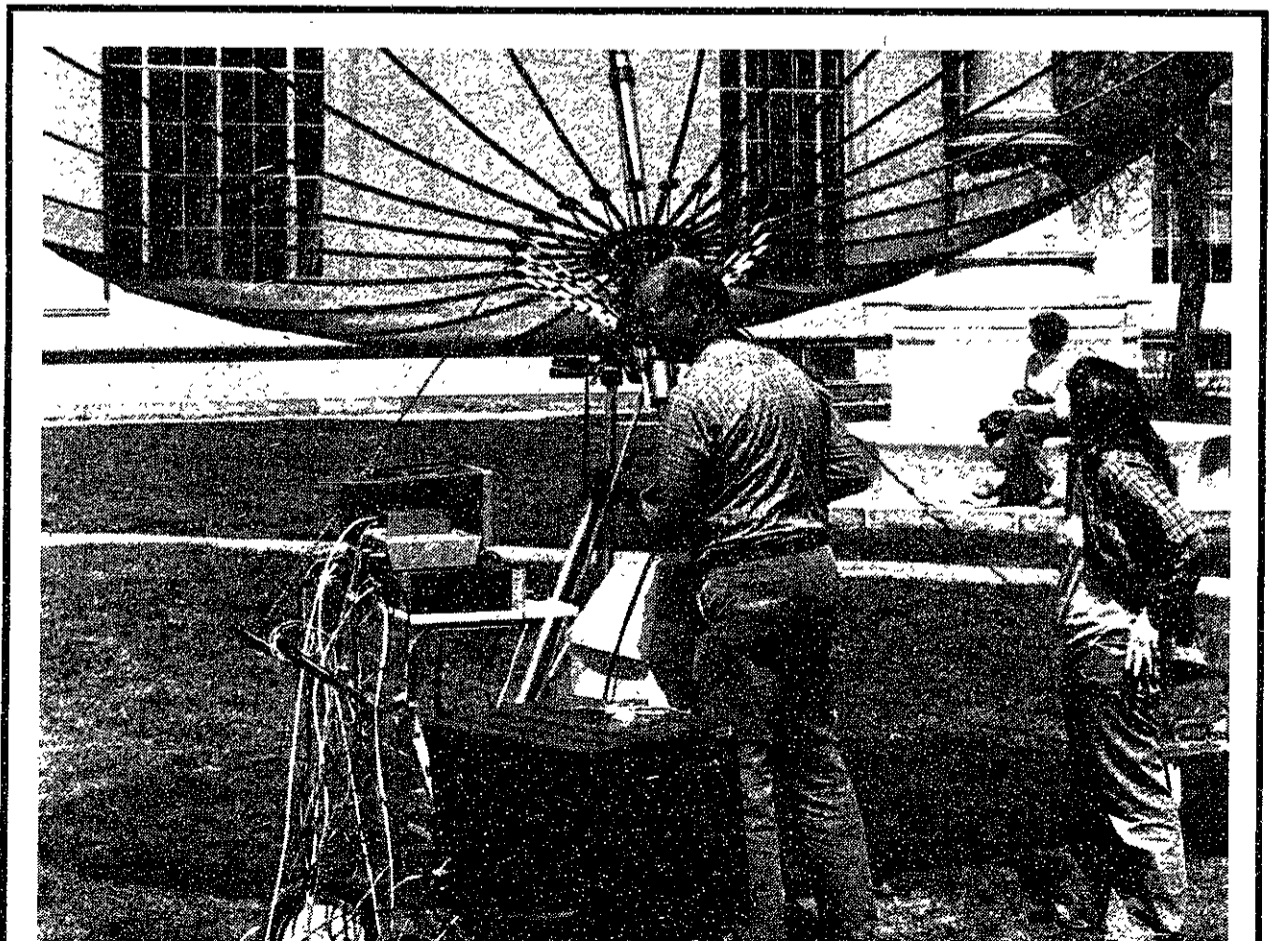
acquisition of funds for students.

However, the 15 percent interest loans would have to be paid back immediately, according to Joseph Minato '84, a member of the scholarship fund group. Only one student applied for the loan, and that was in December.

(Please turn to page 2)

The Integrated Studies Program plans to teach "the basic freshman courses as separate academic disciplines to bring out their internal logic and coherence . . . [and by] presenting during the same period of time, related concepts in the different disciplines," according to the handbook.

The "intellectual focus [will be] (Please turn to page 2)



Tech photo by Robert Winters

Dr. Lee Lubbers of Creighton University tunes into Soviet television in Killian Court.

## Dickson: MIT will not accept fund

(Continued from page 1)

"That person has not seen the check yet," Minato said.

The only other possibility for the group is to set up their fund outside of MIT, which, Dickson admitted, would probably be very difficult. They would have to set up an account in a local bank and find a trustee to manage the account.

Most important is the fact if the funds were not held by MIT, the account would not be tax-exempt — taxes would have to be paid, Dickson said. "The Institute will not permit the use of its tax-exempt status for this purpose," he said.

In spite of this, the group plans to set up the fund outside of MIT under a tax-exempt agency used to dealing in these matters, said Cowan.

"Suggestions were made to get another organization to handle the money," he explained, because "at least one MIT lawyer said that the cost and paperwork were prohibitive" of them handling the funds themselves.

"One possible agency is the American Friends Service Community, a Quaker organization that has handled similar accounts at Brown and Brandeis," said Craig W. Reynolds '84, a third member of the group.

"The money will probably be distributed rapidly, hopefully by next fall," Cowan said. Although the group has not yet the formula for dispersing the funds, one possibility is to give enough money to make up the difference in the interest rate between a government loan and the commercial one available at Shawmut.

"The program will happen," stressed Reynolds. "How the aid is dispersed will depend upon how much money is raised from students, faculty, and alumni. The program will be up and running before the end of the year," he added.

## ISP was discussed last term

(Continued from page 1)

a little different," from the Concourse program and the Experimental Study Group, Trilling said. "We will concentrate on the history of the physical sciences and engineering, and will make the development of technology a unifying thread."

The faculty of Integrated Studies Program will include Trilling, MacVicar, physics professor Anthony P. French, and an as yet undesignated member of the Mathematics Department, according to Trilling. The STS faculty will teach the seminars. The program will also hire teaching assistants and undergraduate tutors.

Discussion of the program began in Dec. 1983, MacVicar said. The consistent oversubscription

to ESG and Concourse was a factor in the decision to inaugurate ISP, she said.

During the first semester, ISP students will take Physics I (8.01), Calculus I (18.01), Chemistry, a Humanities Distribution subject, and a seminar for a total of 54 units. Students will be offered Physics II (8.02), Calculus II (18.02), a Humanities Distribution subject, an elective, and a seminar for a total of 51 to 54 units.

The humanities distribution sequence will be comparable to STS 100 and STS 200, Trilling said.

The program's faculty will teach all the courses except for chemistry, which the students will take with the rest of the freshman class, although Trilling said

he would like to include chemistry in the program next year.

The program will try to provide for students entering with credit for some of these subjects, MacVicar said. The question has not yet been finally resolved, but, she added, not all students may be accommodated.

There will be "ten seminars per term for roughly five students each," according to the proposal. They will be used to further reinforce the central theme of the program, it states.

The program will have its facilities in Building E51 where a classroom and a social room will be allocated, Trilling said.

"The idea [of creating a program like ISP] has been floating about" for some time and there has been "considerable interest among the faculty," Trilling said. "Time seems ripe to do an experiment of this kind."



Tech photo by Alice Giubellini

An expert demonstrates his karate skills during the International Fair held in Kresge Oval last Friday afternoon.

## notices

### 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.

### Wednesday, May 2

Louis Cabot, Chairman of Cabot Corporation, will give a Lowell Lecture on "Great Vocations: The Executive" at 8 p.m. at the Cambridge Forum, 3 Church Street, Harvard Square. Admission is free.

\* \* \* \*

"Italian Night at the World Affairs Council", featuring folk dancing by Gruppo Folkloristico Orsongnese, slide show with comments, Italian food, and art exhibit. 22 Battery March St., Boston, at 6 p.m. Reception/Program \$8, members \$6, students \$4. Call 482-1740 for information and reservations.

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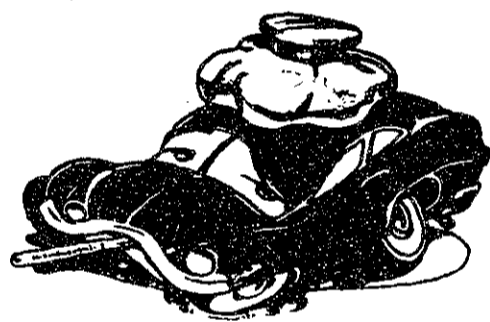
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# news roundup

## World

**Reagan rejects Taiwan proposal** — In talks with Chinese leader Deng Xiaoping last week, President Ronald W. Reagan turned down a proposal that the United States try to convince Taiwan to reunite with the People's Republic of China. In an interview on Chinese television, Reagan said, "We do not believe we should involve ourselves in this internal affair." Reagan's comments on the Soviet Union and freedom of speech were censored by the Chinese government broadcasters.

**China signs coal contract with corporation** — The Occidental Petroleum Corporation Sunday agreed to share the development of the world's largest open-pit coal mine with the People's Republic of China. The mine, located in central China, will cost \$640 million to develop and could yield 45 million tons of coal annually for China's rapidly modernizing industry. Armand Hammer, chairman of Occidental Petroleum, traveled to Peking to sign the agreement.

**Israeli police foil terrorist attempt** — Israeli police defused bombs found on seven buses in Jerusalem. The bombs were scheduled to explode during a routine shuttle trip to an Arab refugee camp on Friday, the Moslem Sabbath. Police arrested about 15 people including a high-ranking Israeli reserve officer, in connection with the incident. Prime Minister Yitzhak Shamir commented that Israel had avoided "a very grave disaster" by averting the bombing.

## Nation

**New England poor pressed to the wall by severe winters** — Recent studies indicate that those residents of Maine, New Hampshire, and Vermont with incomes below the poverty level are particularly susceptible to hunger because of high fuel bills which deplete their incomes. The poor in New England can only afford to spend 32 percent of their income for food and rent, as opposed to 40 percent for the rest of the country.

**Public split on Latin American policy** — Nearly half of the American population fears that President Reagan will lead the United States into a war in Central America, the latest New York Times / CBS News Poll showed. Only one in three of the 1,367 adults polled supports Reagan's policy in the area.

**Highest earners in Great White North** — Alaska topped the nation in per capita income last year with \$16,820 per resident, the Commerce Department announced yesterday. Connecticut was second at \$14,826, while New Jersey, California, New York and Massachusetts rounded out the top six. Southeast and Rocky Mountain states had the lowest incomes, with Mississippi at the rock bottom with only \$8,072 per capita.

## Sports

**Celtics triumph over Knicks in playoff opener** — The Boston Celtics destroyed the New York Knicks, 110 to 92, in the first game of their playoff series at Boston Garden Sunday. Celtic Larry Bird scored 23 points, 9 rebounds, and 12 assists despite a sore ankle, while towers Kevin McHale and Robert Parish added 44 points and 20 rebounds between them to the hometown total.

## Weather

**New England weather returns** — Today will be cool and windy, with temperatures in the low sixties and a chance of showers. Lows Wednesday will drop to the forties and the skies will turn cloudy and rainy toward the weekend.

Diana ben-Aaron



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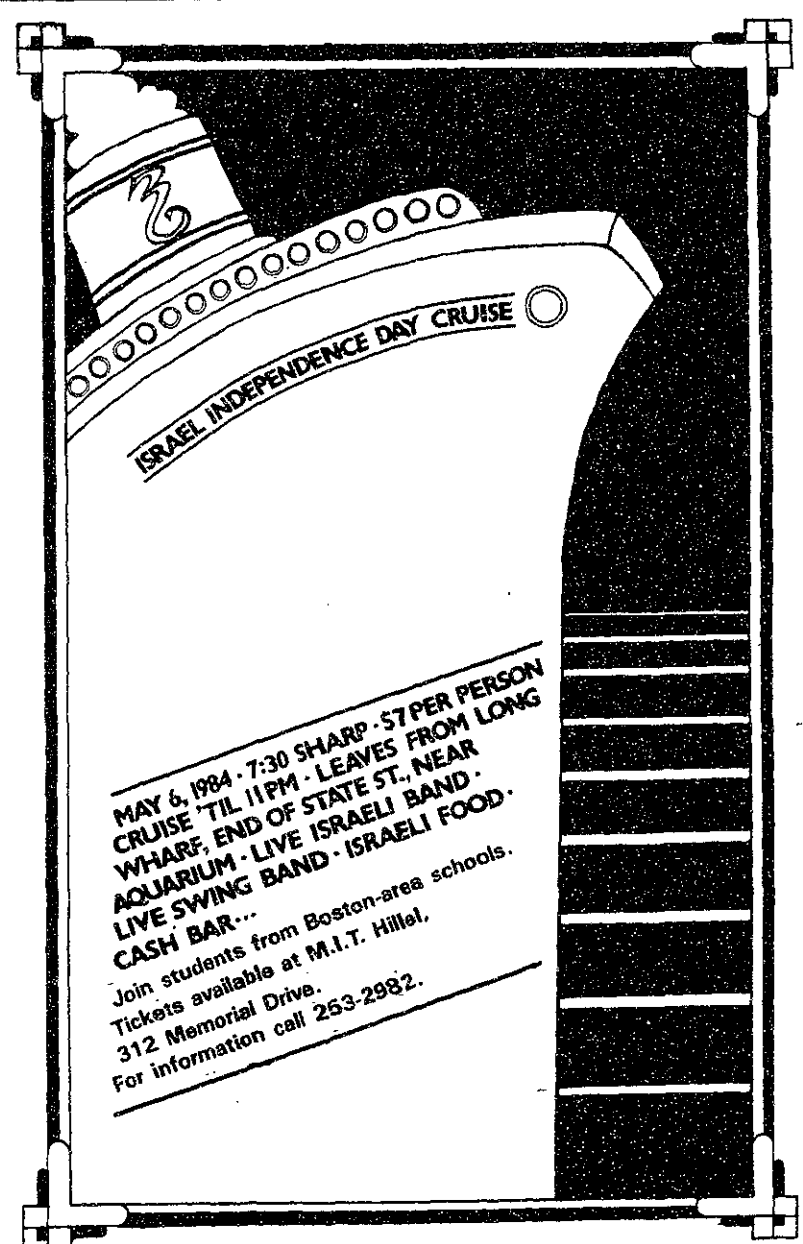
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# opinion



Column/Simson L. Garfinkel

## An open letter to President Gray

Dear Dr. Gray;  
This summer, many of next year's freshmen will come to MIT early under Project Interphase. Selected students have already been invited and acceptances have begun to come in. Now is the time to question the criteria for admission and the curriculum of the program.

The 1983-84 *Bulletin* lists Interphase under "Admissions." It says:

*"In order to help newly admitted students make a successful transition from high school to the pace and style of MIT, a special summer session is available, called Project Interphase. This program offers subjects in math, science, and the humanities which build on the regular entrance requirements. It is available by invitation at no expense to the student."*

What the *Bulletin* does not say about Interphase is that invitations are given only to minority students. The *Bulletin* also doesn't mention how MIT decides who is and who is not a minority student.

Invitations for Project Interphase are mailed out to selected entering freshmen. MIT isolates from the pool of accepted minority applicants students who are felt would benefit most from the program.

According to Dr. William McLaurin, director of the office

of minority education, the Interphase program does more than teach math, science, and the humanities. Interphase brings minority students into the predominately white society of MIT and into contact with other students in their position. It acquaints them with the ins and outs of the campus and administration. This gives the students a strong footing for the fall; it gives them a higher chance of succeeding here.

Residents of East Campus, where the Interphase students are housed, as well as several former Interphase students have told me the Interphase course load is tremendous, far exceeding that of the Freshman year. Interphase students work from nine in the morning until nine at night, and then they have to do their homework.

Dr. Gray, I would like to recommend that Project Interphase be changed in two ways:

- Evaluate all students entering MIT for admission to the program, not just minorities. The present system of selective admissions to the program allows many non-minority students, or minority students who have not declared themselves as such, to be passed over for selection to the program even if they would benefit from it.

Interphase is warranted because it helps compensate for the poor state of our country's secondary school system. If Interphase currently can be a service only for minorities, then its funding level should be increased until it serves everyone who needs it.

- Decrease the course load on the Project Interphase students and change the curriculum so as to teach mathematics and sciences from a historical perspective.

The heavy work load in Project Interphase only makes participants feel more inadequate than they might already feel from being singled out for a "remedial" summer program. Project Interphase tries to help students with poor backgrounds in math and science, and one of the best ways to teach math and science is through a historical perspective.

I hope that you consider my proposals, Dr. Gray, and speak to any involved parties about the possibility of changing Project Interphase in the future.

David Levy '87

## Study other cultures to help solve problems

To the Editor:

I would be woefully wasting my time and energy to comment on all of the intolerant observations contained in Burt S. Kaliski's column on prayer in the classroom [April 24]. The following remark, however, surpassed all others in its ignorance: "And what worthlessness it is to teach a pupil about some tribe of people on the other side of the earth which he will never see, but not to teach about God, Who will influence the child forever." In a world of constantly heightened political tensions and nuclear capabilities, ignorance of other peoples is not a good strategy for the preservation of world peace.

It seems obvious that a better strategy entails greater understanding and respect for the concerns and cultures of our co-inhabitants, enabling compromise when conflicts arise among us. This is an issue that greatly influences many younger people who inherited the world's climate of tension and conflict and the pos-

sibility of nuclear devastation. How does Kaliski propose we arrive at mature decisions concerning foreign policy without first understanding the various peoples with their diverse cultures and national concerns that we encounter in the news every day? Through prayer? Such decisions are of the utmost importance in our ability to control possible escalations of conflicts into major global affairs. As it is, the time that is spent educating ourselves about others is grossly inadequate.

In a perverse sense I suppose that Kaliski is correct in stating that the time we do not spend on education about other peoples should be spent praying. We will have to pray and hope that we do not find ourselves engaged in military conflicts resulting from our own ignorance of the world around us, ignorance whose ultimate outcome could be the destruction of mankind.

Leonard Tender '87

# TheTech

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## feedback

### Commonality is the removal of human rights and thought

To the Editor:

In light of Burt S. Kaliski's column about prayer in schools [April 24], I think it is important to remember a few things.

One of the few sentences of his that I perceive as being factual in nature is: "Freedom of belief is a much cherished right in the United States." This seems to be one of the things Kaliski has forgotten. His column makes the rather bold assumption that his faith, Christianity, has "truth" associated with it. It is, after all, a belief. One may have faith in a belief, or belief in a faith, but let us not presume that any one of a myriad of such faiths has any more claim to truth than any other, lest we appear ludicrous.

By the very nature of the words, "truth" and "belief" are mutually exclusive. The statement, "I know my belief is true" is meaningless, except for identifying somebody who misunderstands either the nature of belief or the nature of reality.

It is also worth remembering that the phrase "blind faith" is not meaningless. Throughout his-

## Gottlieb was right

To the Editor:

Bravo to Jacqueline Gottlieb for the excellent column in *The Tech* [April 23] on the issue of women at MIT. She characterizes an important concept that exceptionally successful minorities (e.g., Orientals and Jews) who have been traditionally discriminated against in the United States have been using for years: work so much harder than the people who discriminate against you that they must accept you or be left behind.

Charles Levine '84

# opinion

Column/Joseph J. Romm

## Jesus spoke of need to avoid others' hypocrisy

"And when you pray, do not imitate the hypocrites: They love to say their prayers standing up in the synagogues and at the street corners for people to see them. I tell you solemnly, they have had their reward. But when you pray, go to your private room and, when you have shut your door, pray to your Father who is in that secret place, and your Father who sees all that is done in secret will reward you." — Matthew 6:5-6

Somehow I think if some long-haired radical said those words today, the leaders of the established religions in this country would just laugh in his face. Although Jesus often spoke in parables to obscure his meaning, the above words seem clear enough: Jesus was speaking of the need to avoid praying for the sake of ap-

pearances. Real praying comes from the heart, and such praying is best done in private, where it is clear that the praying is not done for the benefit of others.

I hate to be one of those who claims to know what position Jesus would hold today, but in the light of the above quote, it seems fairly clear he would not support school prayer.

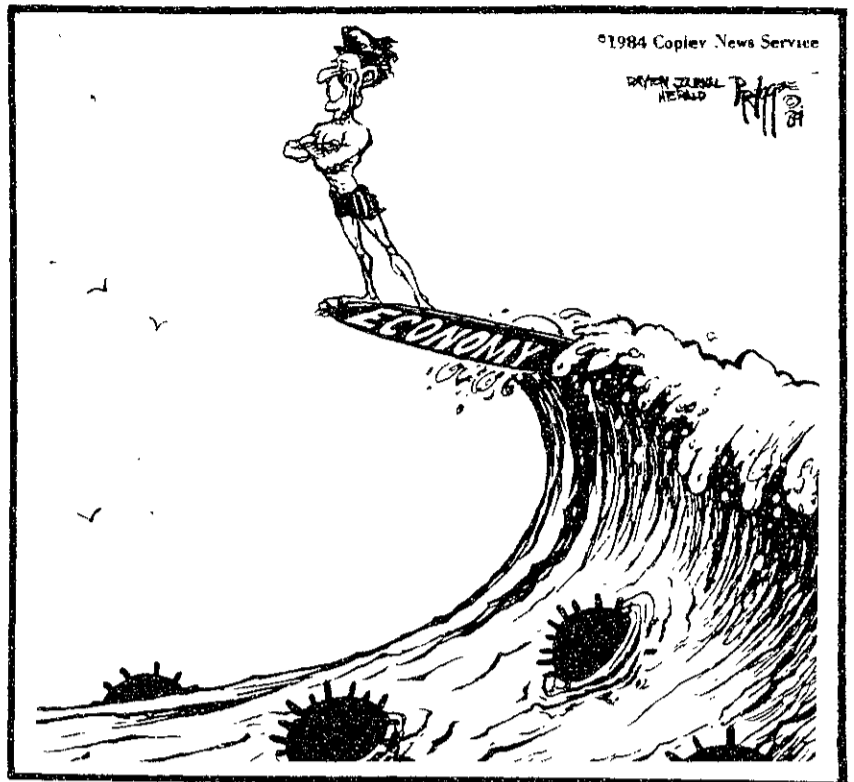
I agree with all those who say that this country is in a state of severe moral decay. But it must be understood that this moral decay is due to the trivialization and oversimplification of today's problems, an overemphasis on immediate gratification, and an obsession with appearances and surface appeal. School prayer would be more of the same.

Why would anyone think forcing children to repeat prayers in

school could promote faith or morality in children — especially if those prayers were stripped of their meaning so as not to offend any particular religion? Indeed, forced repetitions invariably instill a deep-seated mistrust of what is being repeated. Making the prayers optional does not reduce their pointlessness and can only serve to promote divisiveness.

If school prayer were to instill as much morality in children in the next 20 years as the Pledge of Allegiance has instilled patriotism in children in the last 20 years, then we would all be in big, big trouble.

This is a short column because there is not a lot to say on this matter. The biggest supporters of school prayer are invariably those who should most listen to the words of Jesus and not imitate the hypocrites.



## feedback

### Gottlieb's column was a welcome change from the usual paranoia

To the Editor:

I found Jacqueline Gottlieb's column "All women face harassment" [April 24], to be a welcome change from the usual paranoid articles on the unfortunate lot of MIT women. Although Gottlieb was flippant towards some issues, I agree that many women here tend to spend far too much time complaining about discrimination, and far too little time dealing with the situation in a realistic way.

One of the first things I knew about MIT was that it has an unbalanced male/female ratio, and I do not think that any woman who comes here could be unaware of that fact. Therefore, our decision to attend MIT was also a decision to put ourselves in an unusual environment. However, an unusual environment does not necessarily imply an unpleasant environment, and quite honestly, I would much rather be a woman at MIT than a man here. The administration goes out of its way to make allowances and to

facilitate things for us, sometimes to the point of discriminating against men. An example was the allocation of rooms in Next House at the beginning of my freshman year: all the women had to choose their rooms before the men, with the result that any woman who wanted a single, got one, while most of the men were doubled. (I'm sure there was a reason, but I've forgotten what it was.)

One problem under constant discussion is that of sexual harassment, which may or may not be as serious as it is depicted. Judging by the stream of complaints about it, I feel that I must be very lucky never to have been harassed during my three years at MIT. Perhaps the extent of the perceived problem has to do with the fact that the definition of harassment is purely subjective, and some women here overreact. The Great Pornography Debate is a case in point: it's easy to believe that people find pornography objectionable, but as a woman, I

have never felt "degraded" by the subject matter in a movie which has absolutely nothing to do with me. I also do not consider these films harassment, since I am perfectly free to not watch them.

There are a number of things at MIT that I do not like, ranging from the tuition level to forced commons, but being a woman here is not amongst them. It is a fact of life that there are more men in the field of engineering than there are women surely our reaction should be to work at being excellent engineers, rather than to whine about being poor-little-woman-engineers.

Linda C. Matthew '85



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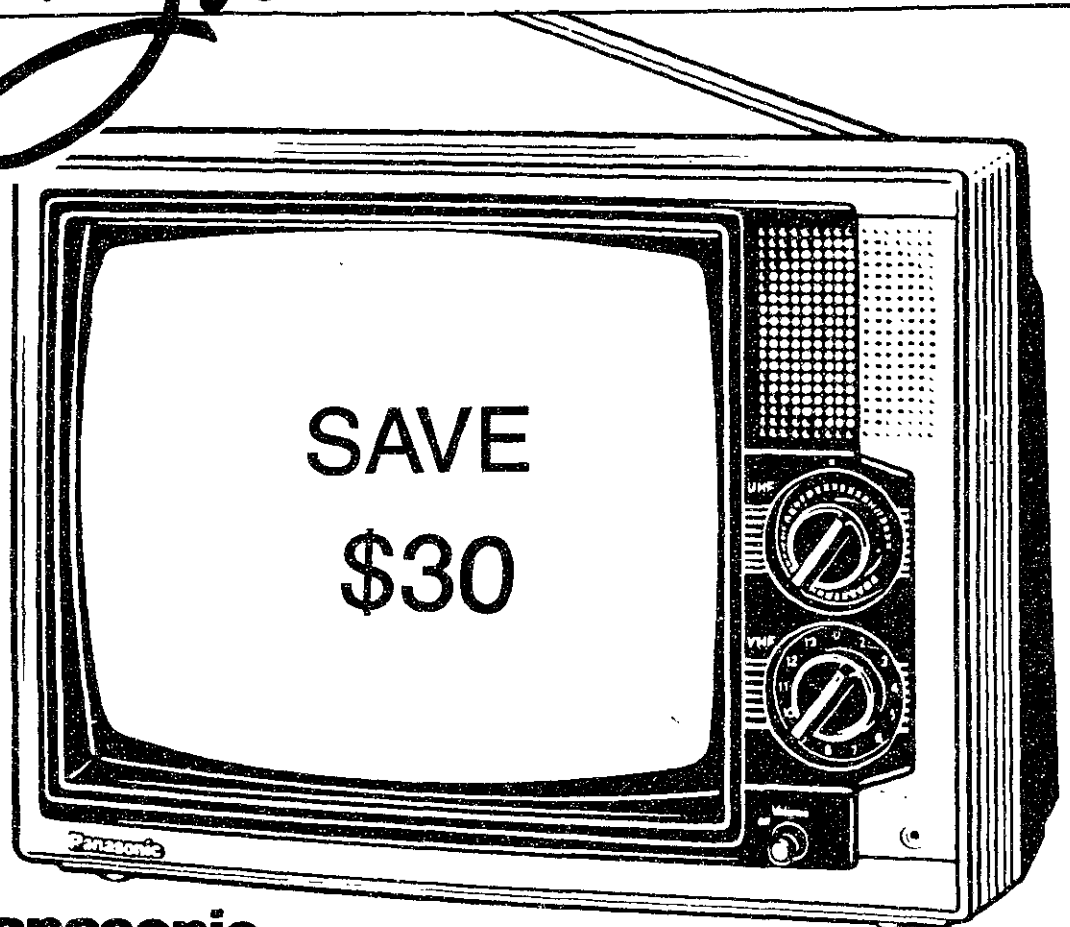
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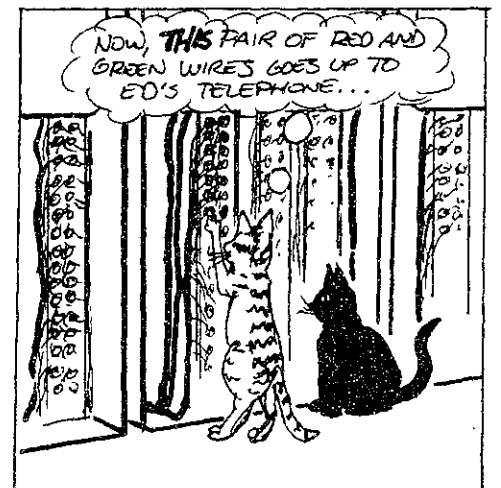
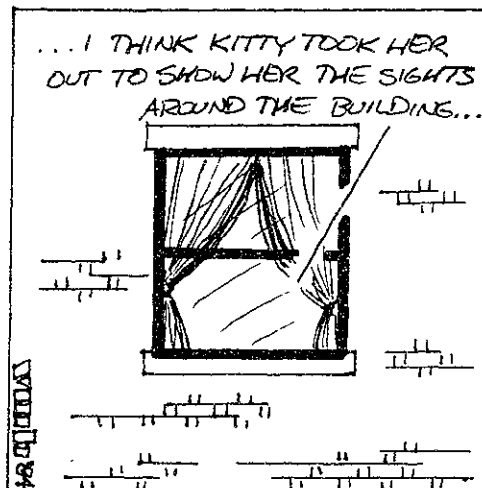
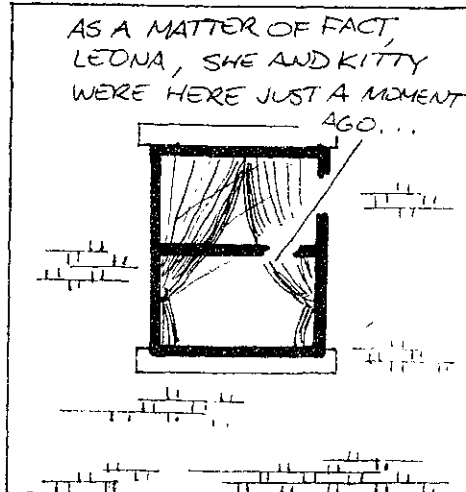
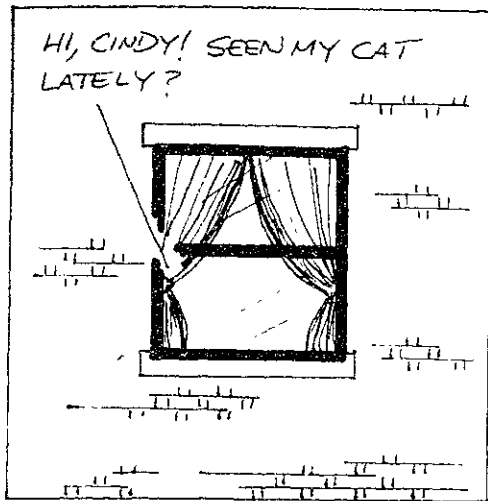
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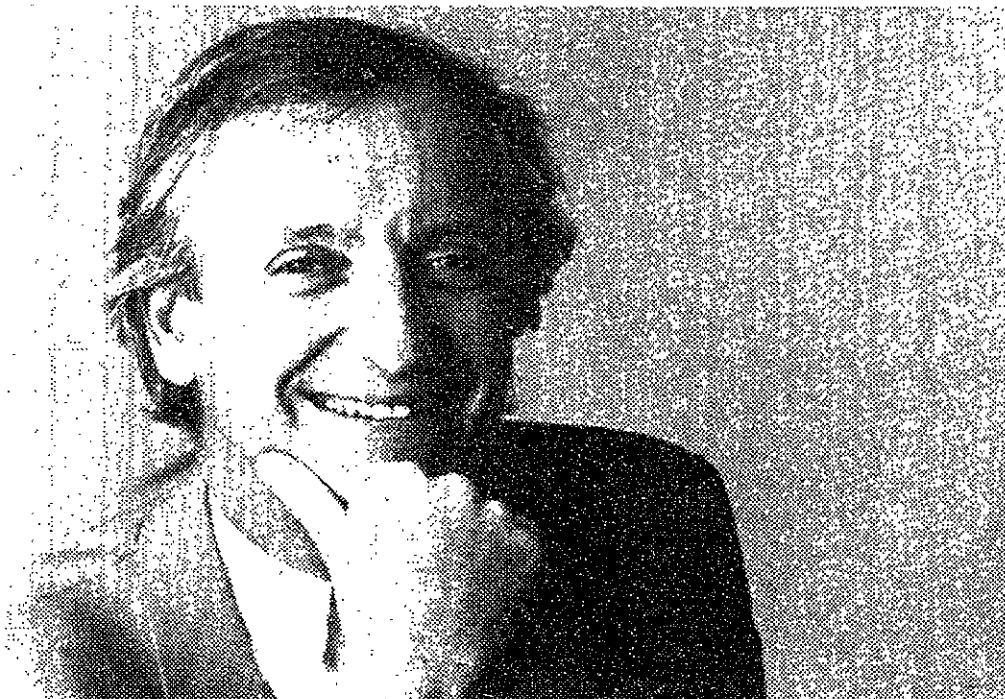
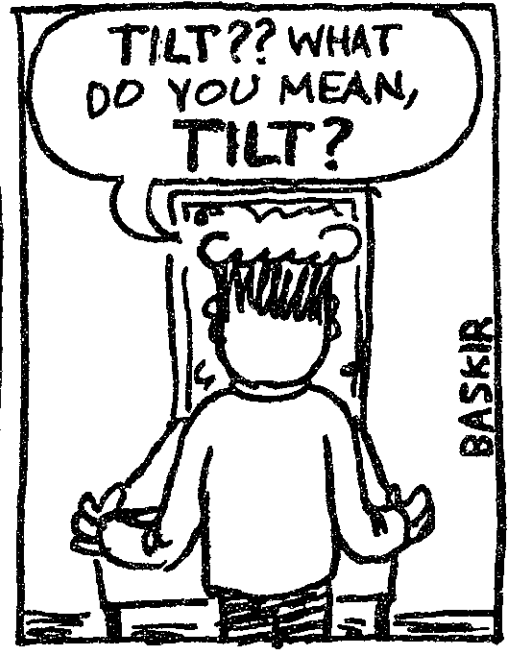
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# sports

## Frisbee places in top eight in NE regionals

By Frank Revi

ALBANY, N.Y. — The MIT Frisbee Club established itself as an ultimate frisbee power in the Northeast Collegiate Region when it finished among the top eight teams in the regional tournament held at the State University of New York at Albany Saturday and Sunday.

Zoo Disk of the University of Massachusetts at Amherst won the tournament, while MIT was one of the surprise newcomers.

The tournament included the top 16 teams from five states in the Northeast Region. The format was round-robin play in each of the four-team pools Saturday, with the top two teams from each pool playing a double elimination tournament. The top three teams from Sunday's tourney advanced to the national tournament May 12-13 at Tufts University.

In their first game, the Beavers shocked the University of Vermont in a 13-10 game which featured tenacious play on both sides. Fine performances were turned in by handlers Dave Detlefs '83 and George Sigal '83, as well as by MIT's long threat, Matt "Phillipé" Dorn '85.

The game wore out both teams. MIT was uninspired in its second round loss to Syracuse, while UVM lost to Central Connecticut.

The Beavers' third round 15-9 victory was closer than it should have been, because Central took advantage of the "honor code" of ultimate frisbee on many occasions. The victory allowed MIT to advance to the eight-team double elimination portion tournament.

The Beavers faced the Brockport Dogs in the first game of the second half of games. The Dogs used their strategy of wearing out an already tired MIT team with frequent substitutions and calling fouls at critical times to break MIT's momentum to bark up a 15-11 win.

Sunday morning's game against Wesleyan was fast and hard. The Beavers' short attack was effective but their defense could not contain Wesleyan's pinpoint accuracy. Wesleyan won 15-11, ending MIT's best season ever.

*Editor's note: Frank Revi is a member of the frisbee club.*

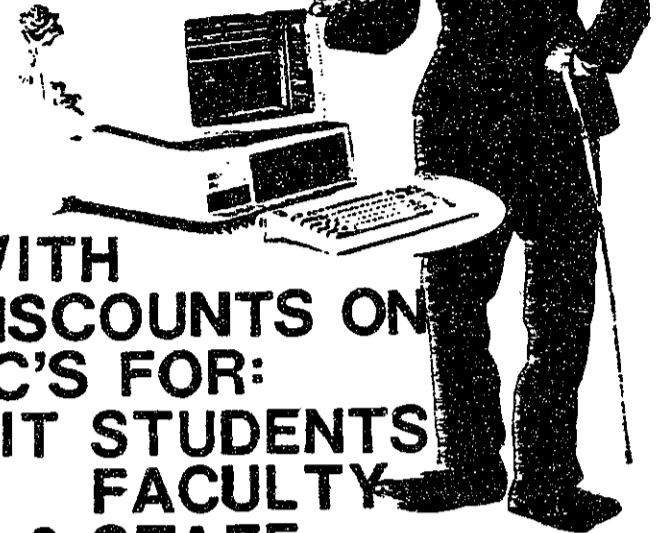


photo by Frank Revi

MIT speedster Peter Ahumeda '85 unleashes a deadly backhand in the Frisbee Club's 13-2 victory over Worcester Polytechnic Institute last week.

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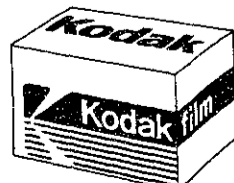
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