

Studies at MIT, Harvard reveal sexual harassment

By Kevin D. Hurst

First of a two-part series

A Harvard University survey on sexual harassment released earlier in the fall exposes problems also found at MIT, according to Mary P. Rowe, special assistant to the president.

The report, titled "Unwanted Attention: Report of a Sexual Harassment Survey," describes

the frequency and types of sexual harassment determined from a survey sent to undergraduate and graduate students.

Sexual harassment ranges from "blatant demand for sexual favors . . . to the more subtle sexual pressures associated with inappropriate remarks or stereotyping," the report states. The harassment hinders the academic

atmosphere of the university, the report states.

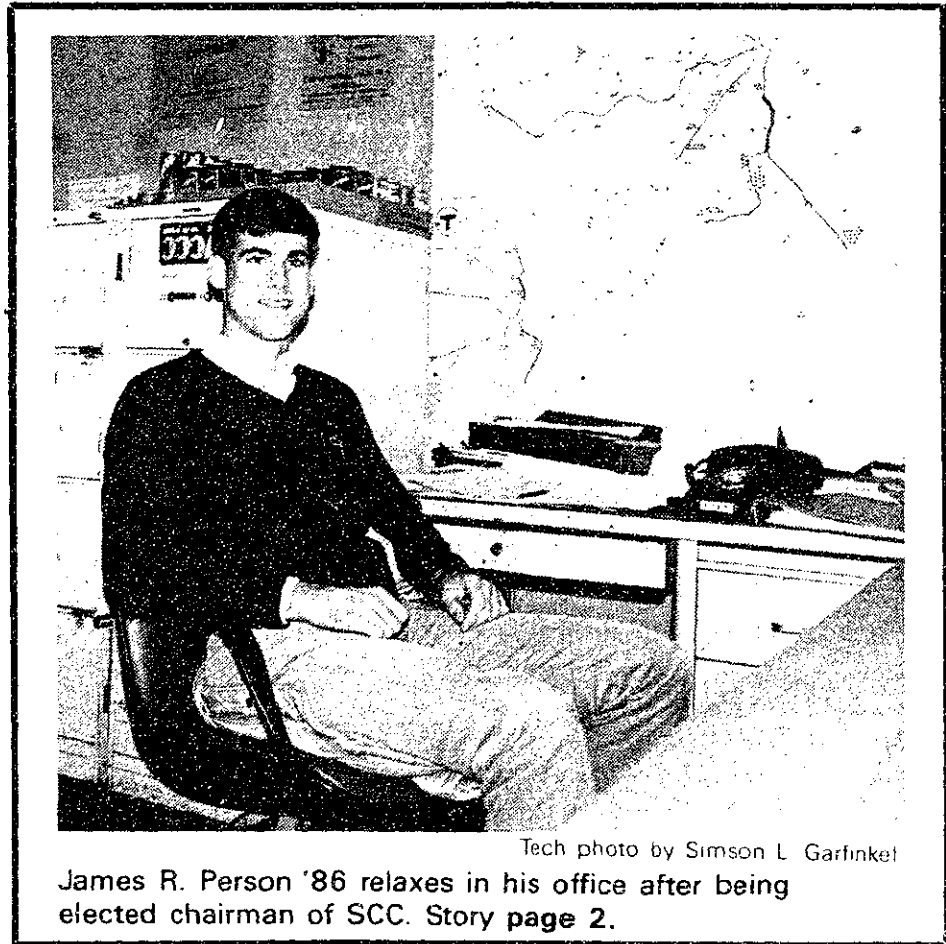
"Except for some small differences, the situation at MIT is probably very much like that at Harvard," Rowe said.

Two reports previously published at MIT had probed the problem of sexual harassment within departments.

The Harvard study includes numerous tables and statistics, but some interpretations of the data may be open to question, Rowe said. "Because reporting rates tend to be low, we just don't know what's really going on. It's more of an informed guess."

Defining sexual harassment can be difficult; a gesture innocently intended may be seen as a

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Tech photo by Simson L. Garfinkel

James R. Person '86 relaxes in his office after being elected chairman of SCC. Story page 2.

Harassment at Harvard

By Janice M. Eisen

A report released this fall on sexual harassment at Harvard University surveyed 1000 graduate students and 2000 undergraduate students. The survey, distributed to an equal number of men and women, had a 70 percent response rate, and reveals:

- 41 percent of graduate women and 34 percent of undergraduate women said they had experienced at least one incident of sexual harassment, and the percentage reporting harassment increased with grade level.

- Over 70 percent of women who reported harassment chose to ignore the harassment; 14 percent of graduate women and 9 percent of undergraduate women sought advice from university officials.

- 60 percent of women strongly disagreed that complaints of sexual harassment are overreactions to normal sexual attraction, but only 25 percent of men took that position.

- While 90 percent or more of respondents of both sexes agreed that unwanted sexual letters or phone calls, physical contact, or pressure for dates or sexual activity constitutes sexual harassment, one-half of the females, but only one-third of the males, said the same is true of sex-stereotyped jokes and references.

- In every case, a smaller percentage of males than females felt that a particular behavior is sexual harassment.

Dickson near decision on fee

By Thomas Huang

Senior Vice President William R. Dickson '56 will soon decide whether MIT will waive a requirement that student activities contribute to the MIT employee benefit fund.

"He will make the decision after speaking with" President Paul E. Gray '54, said Shirley M. McBay, dean for student affairs. "Then he will get back to me."

Dickson was unavailable for

comment yesterday, and was in meetings until early evening.

Stephen D. Immerman, assistant dean for student affairs, said he believes the decision would be final.

Michael P. Witt '84, Undergraduate Association president, said, "I'm sure [the requirement] will be overturned. The problem's probably going to be resolved soon."

McBay said she met with some of MIT's financial officers last Wednesday to review last year's negotiations with federal auditors which altered the employee benefit program. Dickson was also present at the meeting.

McBay said she recommended to Dickson that student groups be "forgiven" the benefit contribution, and that Institute funds be used to cover the benefit charge on student activities and organizations that employ students.

"It is our position that no student group be required to pay" toward the benefit fee, she said.

"The finance people were posi-

tive during" Wednesday's meeting, McBay said. "They were very receptive to what we had to say. I'm hoping that we will be successful" in waiving the requirement, she said.

Dickson and many of the financial officers think the inclusion of student groups in the benefit program was an oversight, McBay asserted.

Immerman said he believes the impact of the charge on student groups was "never a consideration in [last year's] negotiations," because the financial officers did not expect an adverse effect.

The Committee on Student Affairs, a standing committee of the faculty, met with members of the Office of the Dean for Student Affairs yesterday, in part to discuss the benefit fee.

Witt said, "Most of the people there who weren't part of the Dean's Office were laughing, saying, 'I don't believe this is happening. They just overlooked the

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GA members mail obscenity

By Simson L. Garfinkel

James A. MacStravic '84 and Ishai Nir '86, members of an Undergraduate Association General Assembly both admitted Sunday to signing a letter containing an obscenity addressed to the editorial board of *The Tech*.

The entire text of the letter was "[Expletive] you." MacStravic and Nir enclosed a clipping of a Nov. 15 *Tech* editorial titled "Referendum on pornography bad." The two are members of the General Assembly's *ad hoc* committee on pornography.

MacStravic and Nir recently presented a plan to the General Assembly to hold a campus-wide referendum on pornography.

The purpose of the referendum, MacStravic had said earlier, is to "let the MIT community tell [the Undergraduate Association] what community standards are" on obscenity.

MacStravic, contacted Sunday night, refused to say whether he had written the letter, saying only, "I am quite aware who wrote it. I signed it."

Nir also said Sunday night, "I was one of the co-signers of that letter." Asked if he wrote it, he replied "No. The letter was written by a computer."

"The letter was written on behalf of Jim and myself, and not in any official capacity. We wrote it as concerned undergraduates," Nir said. "I think the letter said it all."

Robert E. Malchman '85, editor in chief of *The Tech* and chairman of its editorial board, confirmed receiving the letter last week. "I was shocked and dismayed that two supposedly responsible members of the General Assembly would stoop to obscene invective in response to a

Tech editorial position.

"*The Tech* encourages the discussion of various viewpoints in its opinion pages," he said. "I would have hoped that MacStravic and Nir could have seen fit to express their viewpoint in a calm, reasoned letter that *The Tech* could print for the benefit of the MIT community."

MacStravic and Nir "were upset because they thought [the editorial board] wrote the editorial without knowing what [it was] doing," said Michael P. Witt '84, president of the Undergraduate Association.

"They had a general idea of what they wanted to do and [the General Assembly] changed it around totally" at recent meetings, Witt said. "They're upset because whoever wrote the editorial wasn't there" during those discussions.

Library to computerize card catalog

By Simson L. Garfinkel

The MIT Libraries will install a computerized card catalog system next fall, according to Jay K. Lucker, director of libraries.

The new system will be able to locate any book acquired since 1973 in the Institute library system, place it on hold, and have library staff deliver it to another

MIT library within 24 hours.

The system costs approximately \$600,000 and is produced by Geac Limited of Canada. Geac's "Integrated Library System" is a computerized card catalog and checkout system, designed for large research libraries.

New York University, Yale University, Princeton University, Boston College, and the University of Maryland also use the Geac system, according to Shirley K. Baker, assistant director for public services for the MIT Libraries.

Initial plans call for 35 terminals attached to the Geac system, Lucker said. The circulation department and administrative offices will use many of the terminals, and some will be open for public use, he said.

Lucker said he hopes students may someday have access to the

catalog through an existing computer network or new Project Athena computers.

The machine-readable card catalog generated by MIT's present computerized system will be immediately available on the Geac system. The library staff, after the system is installed, will begin the long task of adding to the system acquisitions made between 1964 and 1973, Baker said.

Materials acquired before 1964 will be entered into the system as they are borrowed from the library.

The Geac system employs an optical wand, rather than a keyboard, to enter book identification codes, Baker said. New student identification cards will have bar code stickers, which students will use also as their library

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Memorial service for Miller will be today

By Drew Blakeman

Memorial services for missing hiker Michael J. "Mick" Miller '84 will be held today at 7 p.m. in the MIT Chapel.

Miller has been missing since Oct. 23, when he and two friends went hiking on Mount Lafayette in Franconia Notch, N. H. Miller's friends later said they last saw him heading toward the 5200-foot summit.

The New Hampshire Fish and Game Department searched the

mountain for a week after Miller disappeared, but found no trace.

High winds and chilly temperatures, not unusual for late October, forced an end to the search and left Miller little chance of survival.

Miller had lived in Senior House and was a student in the Department of Architecture. He was also a disc jockey on MIT's radio station WMBR, and worked for Radiobeat, a Boston recording studio.



Michael J. Miller '84

Tech photo by Simson L. Garfinkel

inside

An endearing film about mothers and daughters. **Page 8.**

The bigger the show, the harder the core. **Page 9.**

SCC taps chairman for 1984

Reverses vote on coffee house price increase

By Burt S. Kaliski

The Student Center Committee elected a new chairman and reversed a previous decision that had recommended its 24-hour coffee house increase prices by 30 percent at a meeting Sunday night.

James S. Person III '86 defeated committee secretary William M. Hobbib '86 in the election for chairman. His term begins January 1.

The committee declined to release the vote count, but Hobbib confirmed his defeat was by a "wide" margin.

Person took at least 10 of 15 votes, as election requires approval of half the committee's 18 members.

Reverses price increase

The committee, with little dis-

cussion, reversed a decision made last week to increase coffee house prices by 30 percent to pay a 33.9 percent surcharge on payroll for employee benefits.

The new motion gained the support of seven members, with three opposing and three abstaining; last week's motion had passed with ten in favor, two against, and two abstentions.

The coffee house will not need to raise prices until January, "even if we are charged employee benefits," said John Mark Johnston '84, committee chairman.

The committee will consider then a five-cent increase in bagel and juice prices, "but we are not sure yet," he said.

The Student Center Committee has made enough money this year from a five-cent increase in hot drink prices to pay the sur-

charge, Johnson said, but it will abort plans for renovations to the coffee house.

The coffee house earned \$101,000 and spent \$99,000 in October, according to John S. Lin '86, coffee house treasurer. MIT has sent bills totaling \$9100 since July 1, he said.

Nominations for other offices

The committee nominated Hobbib, Person, Mary Kate Bayalis '86, and Francis J. Yenca '86 to the position of secretary; Mark J. Brine '85 to a second term as treasurer; and Yenca, Person, Lin, and John M. Lee '86 as scheduling officer.

The Student Center Committee will vote on those offices Sunday.

Women computer majors harassed

(Continued from page 1)

threatening sexual advance by another person, according to the report.

"Clearly the Harvard experience is different for men and women," the report concluded.

"This is a very powerful statement that applies to MIT as well," Rowe said. "Because of sexual harassment, some women are derailed from normal academic life."

Males at MIT compose 99 percent of the offenders but only 5 to 10 percent of the complainants, according to Rowe.

There is a difference, however, between the situations at Harvard and MIT, she said. "Harvard's problems remind me of when I first came here more than the last two years," said Rowe, who has been at MIT for 11 years. "Cases are reported more quickly and there are fewer terrible incidents."

The rate at which incidents are reported at MIT is also higher than that of Harvard, due to the many sources available for help, Rowe said. They include the Office of the Dean for Student Affairs, religious counselors, living group leaders, faculty advisors, tutors, health care practitioners, Clarence G. Williams, also a special assistant to the president, and Rowe herself.

"Department heads have also been very sensitive and willing to make a commitment in this matter," she said.

The Institute has made other improvements in controlling sexual harassment in recent years, Rowe said. "Students have more of a sense of control and individual power. They ask what they can do, instead of what we will do for them." Long-standing, unresolved cases are unusual and cases of open violence extremely rare.

MIT harassment studies

The Department of Architecture published in 1976 results of a study in which "students recount experiences of invisibility, hostility, spotlighting, and sexual innuendo," as its report states. The report concludes that unequal education and unequal career development existed for women and minorities within the department.

"Barriers to Equality in Academia," another major statement on the sexual harassment was released in February by female graduate students and research staff members in the Laboratory for Computer Science and the Artificial Intelligence Laboratory.

That report describes problems that "unfairly limit academic, professional, and personal growth." Problems cited are social inequality, including unwanted attention and obscenity, and professional inequality, including patronizing behavior, lack of re-

spect, and double standards.

A primary goal of the report was to delineate the sorts of behavior that characterize harassment, according to Karen R. Solins G, one of the authors. Several informal discussions brought the issue directly to other members of the department. "Originally the subject was taboo," she said. "Now it's a legitimate topic of conversation."

The more severe problems described in the report were concentrated in the computer science area of the Department of Electrical Engineering and Computer Science, according to Marilyn Pierce, administrator for the department's graduate students.

"In fact, the environment in the rest of the department is quite healthy," she said. "We have seen some improvement in recent years." Women comprised

less than 10 percent of the enrollment in Computer Science in 1982.

The report was limited to the problems of graduate students, which are not necessarily representative of the undergraduate situation. Graduate students "work on a more personal basis with faculty and peers for longer periods of time than do undergraduates," said Professor Arthur C. Smith, director of the department's graduate school.

Smith said some women students had expressed a desire for policy changes, to remedy differences in salaries, for example. "There is no discrimination of that sort going on," he asserted. "It's a problem of not getting along when you have to work together."

"I trust that this is a transient situation," he added.

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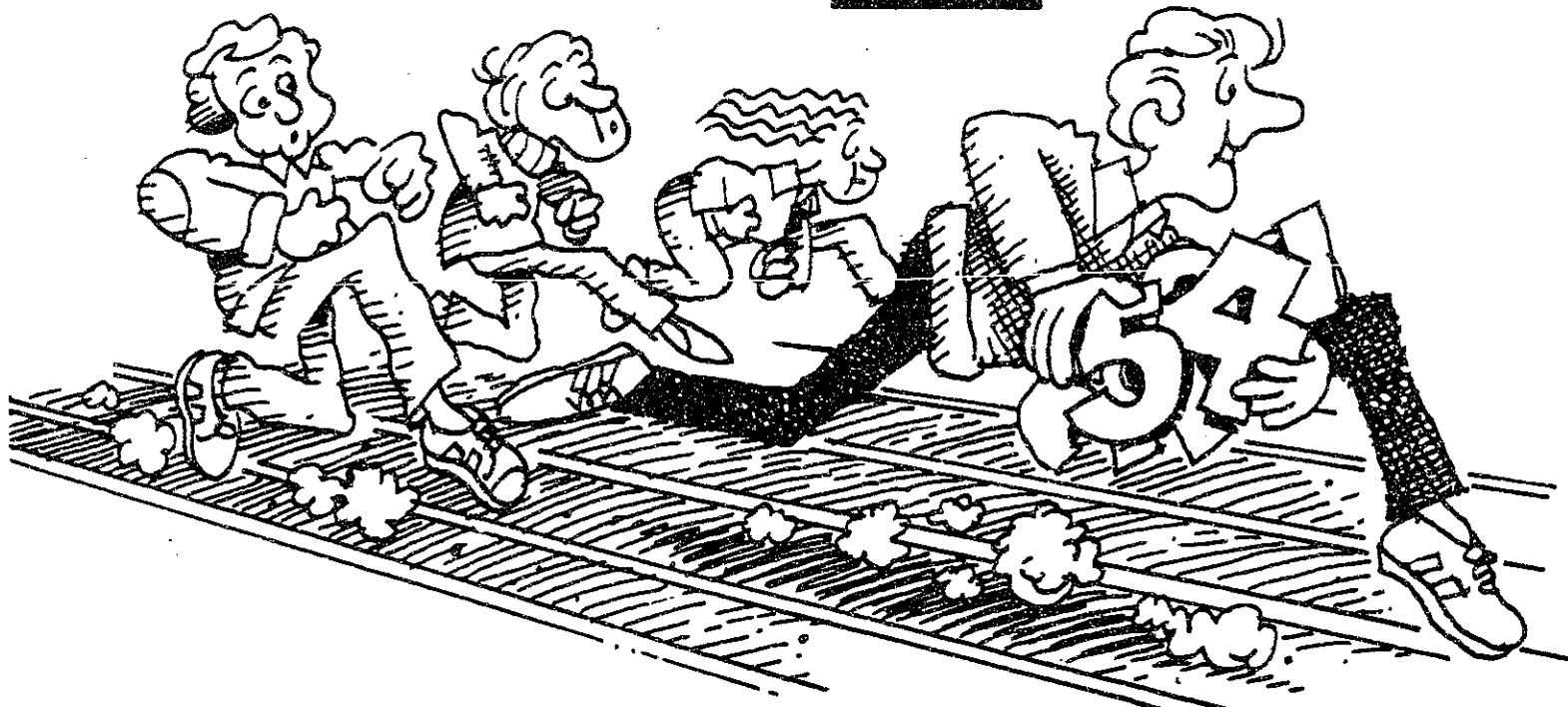
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news roundup

World

Violence in Lebanon continues — Palestinian factions in Lebanon continued fighting despite a cease fire last weekend: Lebanese president Amin Gemayel traveled to Rome to lobby for the removal of foreign troops from Lebanon. Israel's Prime Minister Yitzak Shamir and Defense Minister Moshe Arens '47, meanwhile, arrived in Washington Sunday for talks with President Reagan. The Syrian government also released a report claiming Syria's president Hafez Assad is still active in the government. Recent rumors claimed Assad was dead or seriously ill.

Protesters remember Aquino's birthday — Hundreds of thousands of Filipinos demonstrated Sunday against the government of Ferdinand E. Marcos, on the birthday of late opposition leader Benigno Aquino. Opposition leaders have accused the Marcos government of assassinating Aquino in August, and the protestors called for Marcos' resignation. Most protests were peaceful, but in Manila, where 200,000 people took part in demonstrations, police clashed with gangs of youths.

Nation

Florida to execute Massachusetts man — Robert A. Sullivan is scheduled to die this morning in Florida's electric chair for the killing of a motel manager. Florida Governor Robert Graham signed the warrant for Sullivan's execution three weeks ago and has not yielded to clemency pleas. Catholic clergymen in Florida have strongly opposed the execution of the Belmont, Mass., native, claiming Sullivan was unfairly convicted.

National policy on acid rain delayed — The Environmental Protection Agency cancelled its scheduled announcement of a national policy for controlling acid rain. EPA administrator William D. Ruckelshaus had planned to announce the policy this fall, but later postponed the announcement until next year. Ruckelshaus again postponed the announcement this week, setting no time for the release. The Reagan administration has not reached a consensus about the acid rain problem, he said.

Reagan's approval rating drops — Public approval of President Reagan has fallen four percent since last month, according to a recent Harris poll. Reagan's approval rating jumped to 56 percent shortly after the invasion of Grenada, but fell to 52 percent last week.

Local

Deer hunt cancelled — A deer hunt at the Crane Memorial Reservation in Ipswich, Mass., was cancelled because of concern over the safety of hunting protesters. The annual hunt, which was scheduled to begin Sunday, had drawn protests from animal rights supporters. About 10 protesters had threatened to enter the reservation if the hunt proceeded. Reservation trustees said that without a hunt to reduce the population, surplus many deer will starve this winter.

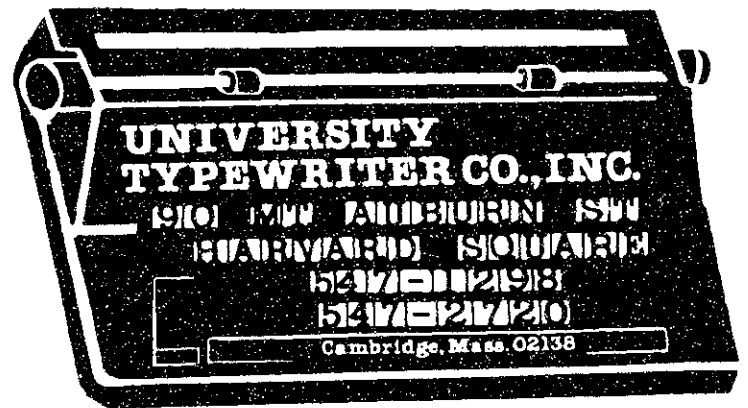
Weather

Windy weather; no winter, yet — Clouds this morning should give way to sunshine later in the day as the temperature reaches the low 50s. Tonight will be windy with lows in the middle 30s. Gusts will continue tomorrow as skies become partly cloudy, with a chance of rain. Colder weather lies ahead.

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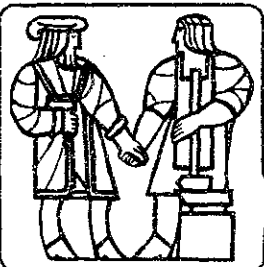
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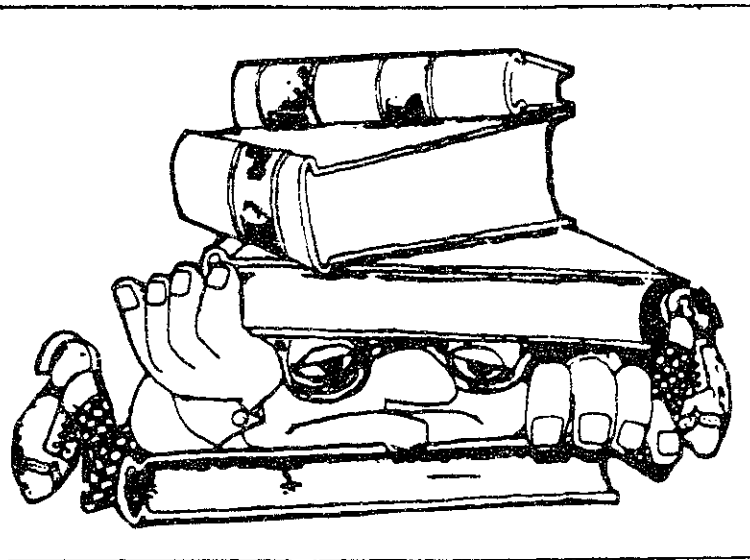
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Hi. We are Gays at MIT, a student group that exists as a source of support, informal advice, and social contact for gay students at MIT. We also try to lessen discrimination against gay people on campus. We have discussion meetings on Sundays at 5, we usually sponsor three dances in the Student Center each year, and we also try to organize movie and restaurant expeditions and other social events. We're interested in including more of the lesbian and gay students on campus in our group, and new members are especially invited to an Ice Cream Social that we're sponsoring on Friday, December 2, from 7-9pm in the Gamit lounge — 50-306 Walker Memorial.

If you'd like to talk with us, we encourage you to call us on our Contact Line. The phone number is 253-5440; evenings are the best time to call. Our lounge is often open for lunch from about 12:30-2pm, weekdays, and new people are invited to drop by. (And don't miss the entry for our annual Gay/Straight Rap, listed in the IAP Final Guide.)



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Opinion



Column/Simson L. Garfinkel

Institute debases creative geniuses

First of a five-part series.

There are many faces to MIT: undergraduate college, graduate school, research center, corporation, national scientific trend-setter. The individuals who make up the MIT community are the unifying thread through all the faces. The goal of this series is not to recommend the right solutions, but to encourage the faculty, staff, and students to think about what those solutions might be, and to work toward them.

There exists in society a significant number of people who are intuitively brilliant — creative geniuses for which the most exhilarating accomplishment in life is that of learning and creation. Issac Newton, Leonardo da Vinci and Thomas Jefferson were all examples of this type of person.

When people such as these congregate, they are not threatened by each other, but nourish

each other in a sense of intellectual camaraderie. The Renaissance and the romantic movement were both examples of what can happen when these individuals congregate.

MIT should enjoy a concentration of these individuals. Instead, the relative abundance of these people at MIT is no higher than at other top-flight schools. MIT is doing nothing specifically to attract these people. Those who do come are often repressed and forced into the mold of the average student. Creative giants who become aware of this process become dissatisfied and self-destructive.

One need only observe what happens to the nascent renaissance student in his first semester to understand what happens to these people at MIT. He is overwhelmed by the incredible diver-

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TheTech

Volume 103, Number 53 Tuesday, November 29, 1983

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Column/David M. Tenenbaum

Central American contrasts

Like José Luis Cordeiro Mateo G. I share the misgivings he voiced in his Nov. 1 letter regarding the statistics Associate Professor Jean Jackson cited in an Oct. 21 interview. My misgivings regarding her impressions, however, go even further.

I am a photographer with the Associated Press, and was part of a three-person team that traveled to cover the pope in Nicaragua, El Salvador, and Honduras earlier this year. This was my first trip to the area, so I make no claims of being an expert, but I am, to some extent, a trained observer. My perceptions of the comparative situations in Nicaragua and El Salvador probably could not have differed more from Jackson's.

The day before the pope arrived in Nicaragua, there was a funeral for 19 martyrs in the main square in Managua. It turned out that these 19 fearless soldiers, some as young as 12, if my memory of newspaper accounts is accurate, had been given weapons and sent off to find the "Contras." They had all been killed in an ambush while walking down the middle of a road. The junta called them heroes of the revolution. Their parents cried on the coffins. It seemed, to an outsider, more tragic and

wasteful than heroic.

The same day a writer and I went north from Managua to Leon to see the church the pope would be visiting. There was little agricultural activity of any description visible during the long ride. There were no children visibly at play in the villages we passed, or in Leon proper, where I was stopped and searched six times in twenty minutes by plainclothes men and women — read secret police — in front of the church.

Although you can buy postcards with a picture of the church, I was prevented from photographing it despite international press credentials, for which the Sandinistas had charged \$50. I thought the treatment was probably par for the course working in Central America, but when we returned the next day for the pope's visit, security reached new heights.

Traveling press on presidential or papal trips are always searched. The Nicaraguans have a method I was told they had learned from the Cubans. Six members of the press corps at a time were moved into a bare room, told to put down their gear, were body searched, and led from the room. Five to ten minutes later we were led back, re-

claimed our gear, and the next group entered.

No professional feels comfortable being absent while others paw through his equipment, but there were more serious problems: Ten minutes after leaving the search, the writer I was working with realized her notebook was missing. The notebook contained an interview we had made the day before with a church official in Leon, and the notes were in Spanish. Our government escort assured us the notebook would be "found."

It was returned an hour later with a comment about how careless we were to leave it in the search room. That room was as bare when we left as when we entered. I had noticed a copying machine next door during the wait. I hope the priest who shared his thoughts with us is still in good health.

I am not Catholic, but I had covered the pope in the United States, and was surprised when partway through the pope's Mass in Leon people started leaving by the thousands. It is an unusual sight to see people walk out on the pope, especially in a country that is mainly Roman Catholic.

We returned to Managua for

(Please turn to page 7)



THIS MOVIE IS NONSENSE, IT COULD NEVER HAPPEN...
 I THINK I'LL CHANGE THE CHANNEL...

Opinion



"If it's Glenn against Reagan, I'll vote for whoever's movies I like more."

feedback

Urges Gray to reverse dismissal of Hope

Editor's Note: The Tech received a copy of this letter sent to President Paul E. Gray '54.

Dear Dr. Gray:

It has been some time since I last met you, and perhaps my writing to you now may come as a surprise. However, with the recent dismissal of Assistant Dean for Student Affairs Mary C. Hope and after some serious consideration, I thought it imperative to bring my concerns to your attention.

Even with the passing of the Civil Rights Act in the late 1960s the treatment of people of color in the United States is still somewhat of an Achilles heel in the American virtues of freedom, equality, and justice. In the past two decades, many have come to realize that only through the process of good education and guidance will these peoples ever come to respect the American system. Places such as MIT and individuals such as Dean Hope who serve to further this process and to produce leaders who shall later serve to exponentiate this process are an invaluable asset.

Through other students, I have come to know of Dean Hope's effectiveness as an administrator as well as a dedicated advocate of students' interests. Her presence contributed towards increasing the enrollment of minority students and in developing various programs to advance and aid all groups of undergraduates. Her accomplishments as an administrator are to be commended; however, her services as a caring individual in hearing and acting upon day-to-day problems of students were of much greater value in a place such as MIT.

I am sure, Dr. Gray, you had no part to play in this unjustified firing of Dean Hope. Knowing of your integrity and equally deep concern for students, I am confident you will correct this matter immediately, and allow Dean Hope to continue her services. I guarantee you that you have the students and my full support if you come across any disagreements from Vice-President Constantine B. Simonides or Dean for Student Affairs Shirley M. McBay.

Shiva Ayyadurai '85

feedback

Disputes connotations of article

To the Editor:

I would like to bring to your attention a few of the errors in your article "Students attract, inform hometown applicants" in the Nov. 22 issue of *The Tech*.

My name is Dorcas Yao, not "Dorkas," and I am the program administrator for Project Contact. Bonnie Kellermann '72 (not Bonnie Kellermann) is the director of the Educational Council (the members of which serve more as counselors than councilors).

Also, we are not seeking to "attract" or "lure" new students,

as one might attract flies, but to inform prospective students who have already filed preliminary applications about MIT, so that they can make an intelligent decision about choosing a college. The connotations [sic] of several of the words used in the headline and article gave an extremely misleading impression about the purpose of Project Contact. Considering that the public seems to have a rather narrow view of MIT, one should support, not slight, our efforts to present a more accurate and positive picture.

Dorcas Yao '86

Editor's note: A reporting error resulted in the misspellings of Yao's and Kellermann's first names. Kellerman said the emphasis of Project Contact is to dispel "negative stereotypes" regarding MIT. One result of the program would be to make MIT "seem more attractive," she said. The story made no mention of "luring" either students or flies.

Strikers quit their jobs

To the Editor:

I strongly disagree with the position taken by Arnold Contreras '84 [Feedback, Nov. 22]. Upon striking, the employees of Greyhound should be prepared to yield humbly to anyone willing to work for what they apparently consider insufficient pay. Put yourself in the position of a

"scab." You needed a job. You've just found one. You start working only to find that the previous employees, having voluntarily relinquished their jobs, violently object to your employment and the general public doesn't want your services.

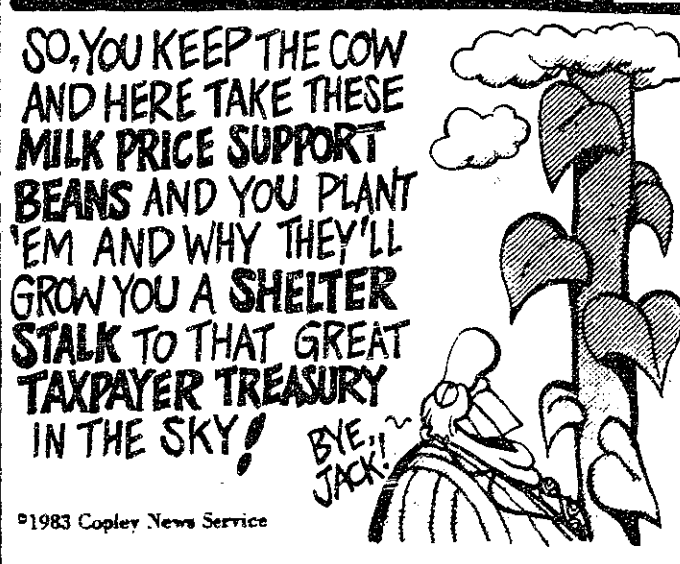
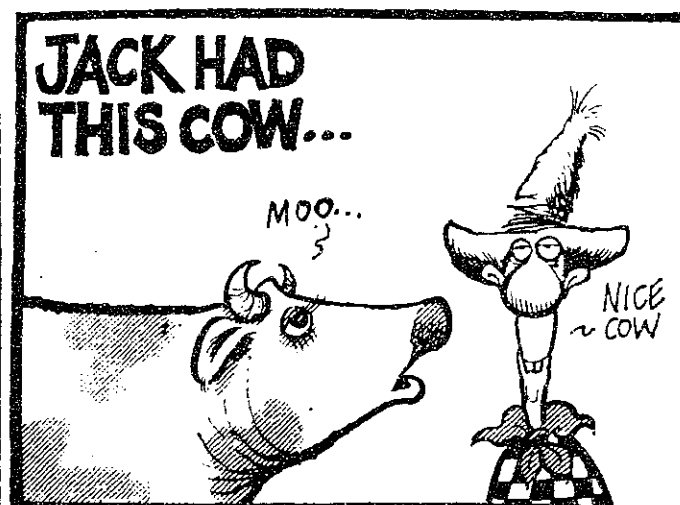
Robert B. Watkins '85

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

Columns are usually written by members of *The Tech* staff and represent the opinion of the author, and not necessarily that of the newspaper.

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

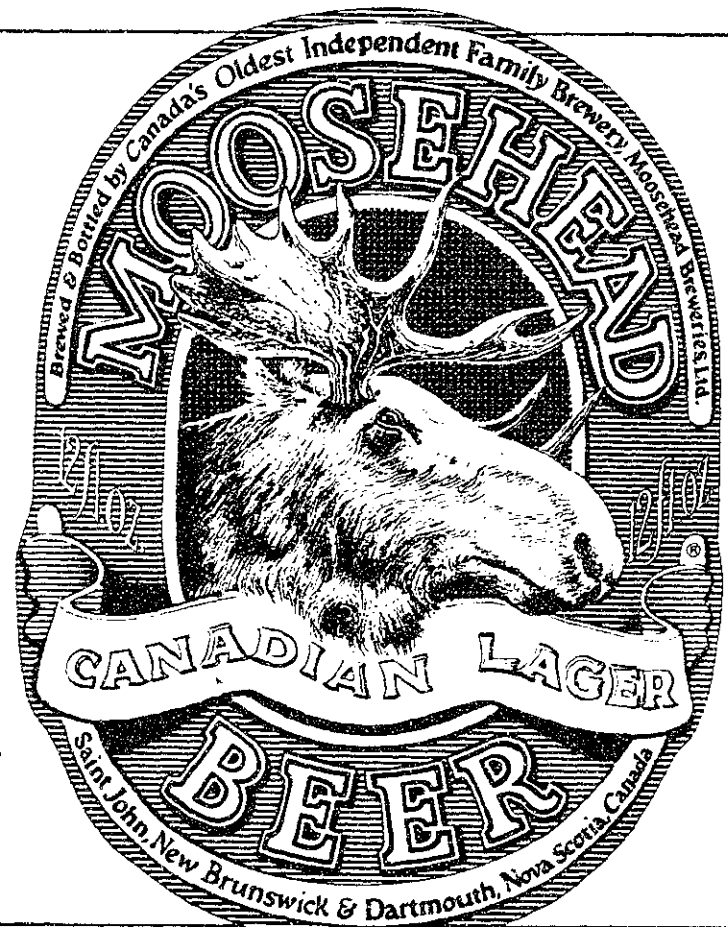
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Opinion

Seek brilliance

(Continued from page 4)

sity of MIT, but is then forced to take Physics I (8.01), General Chemistry (5.40), Calculus I (18.01), and a humanities subject. He is warned by upperclassmen of the dangers of not specializing, of not majoring in the Department of Electrical Engineering and Computer Science. He is not given a chance to study the development of science and technology until after he has made his career decision: Quickly, he is set upon a path of study from which there is little diversion, a list of subjects in which there is little creativity.

Each year over a thousand new individuals come to MIT. A number of these people are creative geniuses who have always dreamed of being in a place of unlimited learning potential. A somewhat larger number of those entering MIT have the potential for becoming this sort of individual but have never been in an environment conducive to creative exploration.

If individuals who are intuitively brilliant congregate, and concentrate on things they enjoy, the

resulting sustained explosion of brainpower will be felt not only by themselves, but by those around them. Everyone in the community benefits.

The Admissions Office is currently doing its job well. The problem lies not in admissions, but in what happens to these people after they get here. Admissions is looking for and accepting those applicants in which they see a creative spark. Admissions people are excited about the new freshmen classes. They see people who really care about art, literature, music, science, and inquiry.

These freshmen do not lose these qualities, they simply develop a psyche split between academics and extracurriculars. They segregate their creativity and diverse interests from their academics and degree plans. It is not the students' fault; this is what MIT encourages them to do. The artificial distinction between "sciences" and "humanities," with students frequently *majoring* in a science and *concentrating* in a humanity on the side embellishes this viewpoint.

feedback

Do not make progress for progress's sake

To the Editor:

This is a challenge to the world's students and teachers in the fields of science and technology, a challenge to reevaluate their roles in the shaping of the future, and the social responsibility that is connected with this role. In a time when the future holds the possibilities of great improvement as well as further deterioration of the state, of society, and the world as a whole, it is important that all of us realize the extent of our responsibility for this future.

"Progress" seems to be the central theme that binds together all facets of technology from its beginning to this day. It is for progress that we expend our efforts; for progress we work to gain new knowledge and skill in our respective fields of study. The idea behind this is that progress is by definition good because it represents an advancement of understanding and a new ability to manipulate and control some aspect of our world, which in turn will improve the quality of life for humankind as a whole. In addition, technological progress satisfied human curiosity and provides a means of making a great deal of money through the marketing of new concepts and realizations.

On the whole, technological progress is today moving and accelerating more rapidly than ever before. To keep track of this progress itself is extremely difficult; to adequately understand and predict its implications for the earth's future is far more difficult still. And yet this is of the greatest importance. It is no longer possible to ignore the social and ecological aspects of technological advances: science and technology are directly interwoven with the "rest" of life on this planet. Engineering problems and scientific discoveries can no longer be treated as though they existed in a vacuum, even though it may often be tempting to do so.

The most important challenge that scientists and engineers face today is the cultivation of a new sensitivity to and awareness of the relationship between their

work and the future of this planet and its inhabitants. Without this sense of responsibility among those who work directly with new technology, there is a great danger of blind "progress for its own sake," of progress that may be unnecessary or even harmful. The long-range social and ecological effects of today's technological decisions cannot be ignored until they become crises at some point in the future. These choices must be made today, and the responsibility for making them correctly lies to a large extent with those who chose to apply their abilities to modern science and technology.

What is actually called for here is a serious re-examination of the individual's role in the determina-

(Please turn to page 10)



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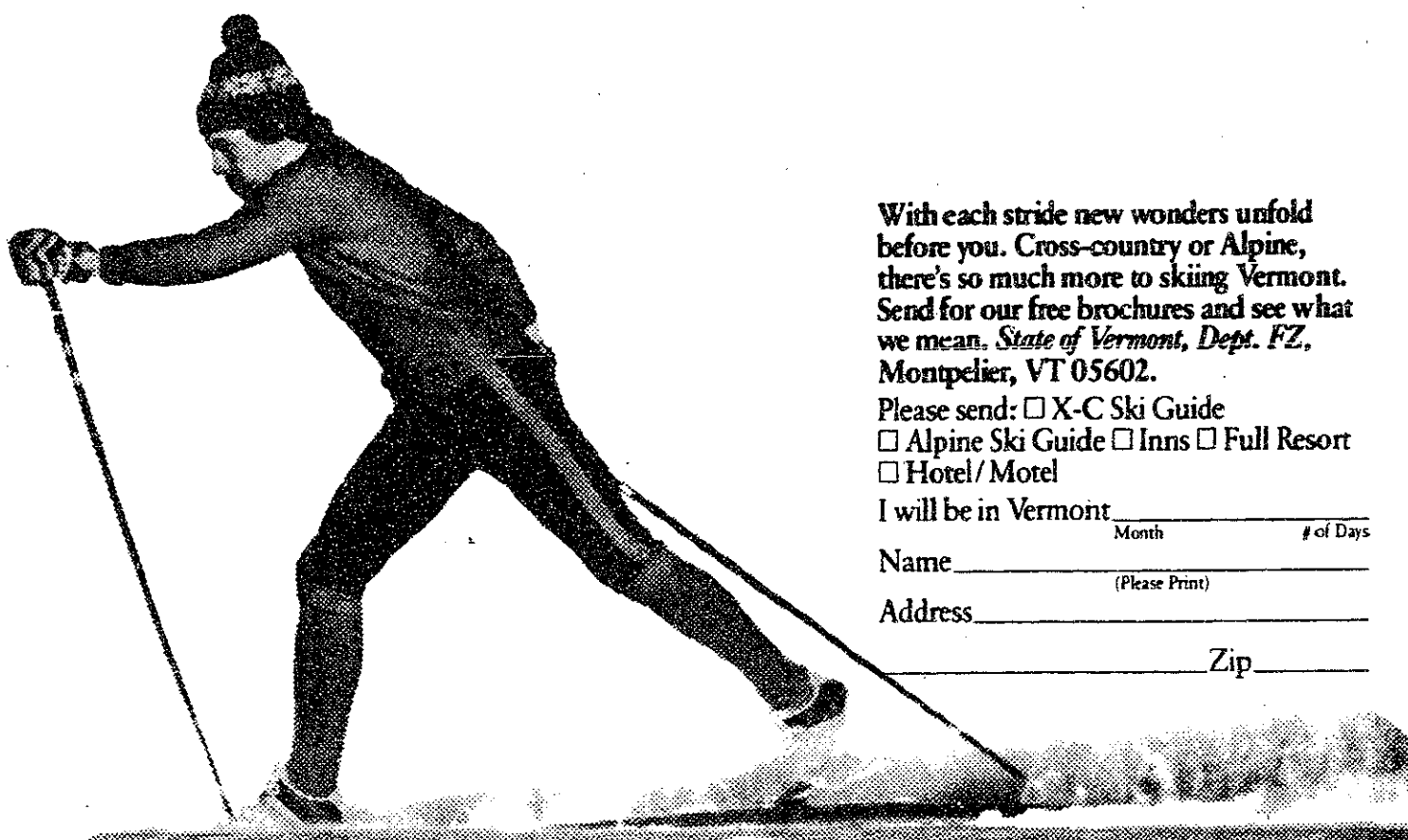
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Opinion

Visit contrasts life in El Salvador, Nicaragua

(Continued from page 4)
 the Mass there. During the bus ride, I noticed neighborhoods being emptied, seemingly street by street, with soldiers supervising with their AK-47 rifles leveled. All weapons had been shouldered slung, until then, except immediately around the pope. Children seemed to cling around their mothers' dresses — no one cheered or played in the street. These were, again, unusual reactions from people in a Catholic country to a papal visit.

Mateo wrote in his letter that the pope "was not properly received" in Nicaragua. During the Mass in Managua, the pope was shouted down several times during relatively innocuous parts of his speech by the crowd shouting slogans in unison. The slogans did not appear to be spontaneously generated. The pope had to yell several times for the crowd to be silent. For people who had taken us, North Americans, into very modest homes the day before to offer hospitality, to become so rude to the head of the Roman Catholic Church was unbelievable.

The Tech quotes Jackson as saying "... I can't recall any man or woman on the street or in the market or in the store who said that they were not in favor of the Sandinistas."

This amazes me. It is not exactly what one would expect to hear from people ostensibly free to speak their minds. The people I came in contact with were very reluctant to say anything. Those who did offer comments made it clear that their initial extreme enthusiasm for the Sandinistas had cooled considerably, especially as some of the more popular leaders of the revolution left the junta. Many of the juntas priorities were no longer oriented to helping the people, they said. I should add that the writer and I were without government escort during interviews before the pope's visit.

With this background, we moved on to El Salvador. Many small farms were visible on the ride in from the airport. Most were on steep slopes of hills, neatly laid out and cultivated. In San Salvador there were children in the streets, not glued to their parents, but playing. There were banners and posters and ornaments across the streets. People smiled and waved. Two days later people dressed up, stood for hours along the route, cheered wildly as the pope passed, and stood or sat through a long Mass in considerable heat in hushed awe. Security was still very tight, but reasonable. El Salvador, in short, was a delightful contrast to Nicaragua. The country also helped to destroy any thoughts that conditions in Nicaragua were typical of Central America.

No reasonable person can deny the presence of "death squads" in El Salvador. The AP daily moves on its photo network pictures of their work. Extreme repression clearly exists on a daily basis in El Salvador. But it is also being covered, graphically, on a daily basis. When nine people, including two pregnant women, were found shot or hanged last week, there was a photo available to newspapers the same day. This is more than an interesting circumstance, or morbid curiosity; it may even be a cause for hope.

I talked to some of the senior hands of the Central American press corps during the trip. Many said they had a special place in their hearts for the people of Nicaragua, and for the country, more so than for any other. But

they said they had lost enthusiasm for the junta, and hoped the future had better in store for the people.

There were apparent advances in education — the search location in Leon was on the campus of a new medical college — but there was clearly a higher priority on AK-47's, RPG's, and tanks than on agriculture and education. Some of this is attributable to external stress brought on the society by the "Contras," *et al.* But this external stress cannot be blamed for the inhibitions of Managua's children.

I would not relish the idea of raising my 2½-year-old daughter in any country where the army is everywhere and consists of 14 to 18 year olds armed with automatic weapons, as is the case in all three countries I visited. But if she had to be in either Nicaragua or El Salvador, the choice would not be hard. You see, I like the opportunity to watch my daughter smile and play outside.

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Endearing mothers and daughters

Terms of Endearment, starring Debra Winger, Shirley MacLaine, and Jack Nicholson; directed by James L. Brooks; screenplay by James L. Brooks; based on novel by Larry McMurtry. A Paramount Pictures release, now playing at the Sack Cheri.

Terms of Endearment begins with a young Aurora Greenway, exquisitely played by Shirley MacLaine, checking on her baby's health in a dark and silent room. The awkwardness with which she proceeds to assure herself that her baby is still breathing, by causing the baby to wake from her sleep and cry, reveals that Aurora is not a typical mother.

After Aurora's husband dies, she and her daughter, Emma (Debra Winger), are brought home from the funeral by one of their friends. Aurora's nonchalance about her husband's death is surprising and confirms that she was not a typical wife either. Their friend, somewhat bewildered by Aurora's lack of emotion, offers words of condolence; this is all to no avail, as Aurora hardly seems disturbed upon accepting them.

Aurora lives in Houston, in a very comfortable and spacious house equipped with a maid. She is constantly courted by suitors who are awed by her beauty and self possession. She controls every part of her life, and seems to treat the men in her life like pieces of furniture that need occasional rearrangement to serve as her decorations. She comes across as a very cold woman, with no inhibitions to prevent her from voicing her opinions. One such example of her frankness is her announcement to Emma on the eve of her daughter's wedding that she totally disagrees with Emma's choice of a husband.

Emma is equally independent, yet she is able to show affection to the persons and things her mother seems to find unnecessary. Although somewhat disappointed by her mother's absence at her wedding, she proceeds to settle into a humble house with her new husband. Emma's attraction for her husband, Flap Horton (Jeff Daniels), seems devoid of love and is driven only by sexual attraction. Her marriage seems to be more of a means of escaping



her mother's total control than an expression of love for Flap.

Although both mother and daughter begin with a keen sense of independence, their dependence upon each other is soon revealed. Aurora seems more like an older sister to Emma than a mother as they share their gossip and problems during Emma's first years of marriage. While Emma's independence brings her happiness, Aurora's independence leaves her lonely and anxious. Emma's husband and children serve as an outlet for her abundance of emotion.

Aurora's free-spiritedness soon disappears as she becomes involved with her next door neighbor, a retired astronaut.

Jack Nicholson's portrayal of Garrett Breedlove, the swinging middle-aged bachelor, is very comic. Nicholson adds warmth to Garrett's character, who is very proud of his accomplishments and quick to use them to seduce the many women he befriends. Garrett's raucousness, sexual licentiousness, and constant drunkenness are in sharp contrast to Aurora's orderly life. The adventurism which Garrett seems so apt at embracing is just the spark which Aurora needs to brighten her not-too-exciting middle years.

The men in this movie, with the exception of Garrett, are mere wimps. Flap Horton is too involved in obtaining a faculty position with a college English depart-

ment to pay attention to his wife and children. His total involvement in academia leads him to an affair with a graduate student whose dullness serves only to complement his own. His alienation from his children becomes all too obvious when he relinquishes control of their custody as he and Emma become separated.

Sam Burns (John Lithgow), Emma's lover, is a bit more likeable but no less a wimp. His sexual dissatisfaction with his wife leads him to become involved with the much younger Emma. His wife's only fault seems to be a bad back that has limited their sexual activity. Burns, however, is careful to conceal his affair from his wife, who is undoubtedly the ruling partner in their marriage.

Emma's children seem to be mere products of her pleasure; she is more concerned with finding her own happiness than looking to the needs of her children. Her oldest child, Tommy, displays his dissatisfaction toward his parents' relationship when he walks away from his house against his mother's orders. When Emma confronts him, Tommy reveals he did not want others to know where he lived, since his parents were constantly bickering. Aurora is also indifferent to the children as she repeatedly advises Emma to stop having babies, on one occasion even suggesting an abortion.

Winger and MacLaine function wonderfully as a mother and daughter team. Winger's warm display of emotion is very touching, and serves to portray Emma as a loving daughter who longs for her mother's affection but not her control. MacLaine's coldness and haughtiness creates an Aurora that is stoic — that is, until she succumbs to Garrett's affections.

This movie is a splendid comedy with many highly dramatic scenes — scenes which place the viewer in the midst of a mother and daughter desperately trying to find happiness. It is a definite tearjerker for those in need of emotional cleansing. *Terms of Endearment* is a wonderful film that will make male chauvanists wince, mothers cry, and all laugh.

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UA News

AWS TO CELEBRATE MIT WOMEN'S HISTORY WEEK: DECEMBER 4-11

Would you like to come to a birthday party? As part of the MIT Women's History Week, the Association for Women Students will be sponsoring the *Ellen Swallow Richards Birthday Party*. (Mrs. Richards was the first woman ever to receive a degree from MIT — B.S. in Chemistry in 1873). This event will be held on Sunday, Dec. 4, at 7:0 p.m. in the Mezzanine Lounge of the Student Center. Cake and refreshments will be served, and Professor Patricia Thompson, a tenured home economics professor from Lehman College will be speaking on Ellen Swallow Richards' contributions to science and the field of home economics.

On Tuesday, Dec. 6, from 5 p.m. to 7 p.m., AWS will have the *Cheney Room Distinguished Speakers Series*. MIT Alumnae will be talking about their experiences as students at MIT. Do not miss this opportunity to find out how life at MIT was before you were even born.

The entire MIT community is invited to attend these events and to join us in celebrating the presence of women at MIT.

No Jersey Designs Yet

The deadline for the Class of '84 long-sleeve jersey design contest is December 15. Remember, the prize for the best acceptable design is \$25. If you plan to enter, and just haven't gotten around to it yet, please call Rich Cowan (x5-6481) or Diane Peterson (x5-8670) to let us answer any questions you may have and to let us know we should be expecting a design. Please do it today!!

General Assembly Meeting

The General Assembly will meet this Thursday evening from 7:30 p.m. to 9:30 p.m. in room 4-163. Agenda items include pornography, course overcrowding, and academic honesty. This will be the last regular meeting of the term, so if you haven't been to a recent meeting, please make plans to attend.

The Ultimate Rude Boys

Watch for the "Ultimate Event" coming to the New Athletic Center this 27 Jan. The world championship Boston Rude Boys will demonstrate Ultimate Frisbee and scrimmage to the MIT Frisbee Club. Don't miss it!

Seniors! Free Subs, Free Meeting Wednesday

Are you hungry? How would you like to help us devour 40 pounds of sliced meats, 15 pounds of cheese, plus onions, lettuce, tomatoes, and condiments on 150 submarine rolls?

Well, you'll have to be a Senior, and you'll have to wait until tomorrow, when the Class of 1984 holds its third in a series of end-of-month study breaks. This month's will be held in the Mezzanine Lounge. That's on the third floor of the Student Center.

See you there!

Tool and Die

Anyone wishing to submit humorous articles, cartoons, etc. should do so before Dec. 22, 1983. Either bring your submissions to one of the weekly meetings (Tuesdays, 5 p.m., room 400 of the Student Center) or send interdepartmentally to: *Tool and Die Magazine*, room W20-401. Submissions cannot be returned.

Hardcore punk is here to stay

ARTS



ONE, AND...

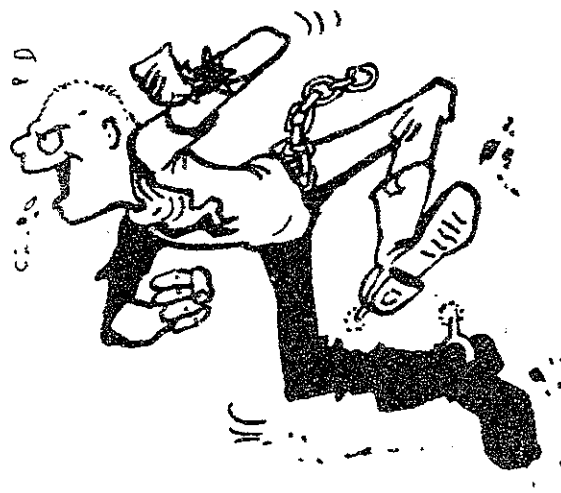
Circle Jerks and S. S. Decontrol at the Channel, Sun., Nov. 20. Golden Shower of Hits, Circle Jerks on LAX Records. Get it Away, S. S. Decontrol on XClaim! Records.

The local hardcore scene took a giant leap forward with Sunday's Circle Jerks/S.S. Decontrol show. This was the first large-scale all-ages punk concert in town during the past few months, and its success or failure would determine the likelihood of future shows in the area. The show itself, which packed the club to near capacity, was a rousing success both financially and artistically. This issue, however, was not the main one.

Hardcore has a deserved reputation as being excessively violent — fighting among the audience and with the bouncers is prevalent, and there are frequent stage dives — people climbing up onto the stage and then diving headfirst back into the crowd. As a result, hardcore has been proscribed by a majority of local clubs, who do not want to deal with even slightly unruly patrons.

Many fans of hardcore music are, in addition, under-age; since clubs make most of their money from selling drinks, their profit margin shrinks drastically for all-ages shows. The clubs' alternative is to admit only those 20 and older, but many bands refuse to play these shows because their fans are often denied admission.

The Jerks/SSD show was held at the Channel, the city's only venue large enough and sturdy enough to withstand the assault of hundreds of slam-dancing



... THREE, AND...

teens. The Channel was sued by someone who had incurred injuries at the last hardcore show there, and as a result the club banned all punk-oriented music. After arduous negotiations, the Channel agreed to resume staging these shows, but with a ban on stage diving. If any occurred, the show would be halted immediately, and there would be no further shows held there.

Amid a buzz of uncertainty as to what might happen, S. S. Decontrol stormed the stage. SSD is perhaps Boston's most respected hardcore band — they are looked up to as an example for others to follow. Singer Springa is the visual focus of this band, screaming and careening from one end of the stage to the other, and the rest of the band thrashes away in a moderately fast hardcore style. Two guitarists, the second added after the release of SSD's first album, contribute a heavy-metalish feel to the music.

The band buzzed through a couple of older numbers, then launched into "On the Road," a new song written during their recent tour of the West Coast. The inevitable fight broke out, and Springa announced that SSD would play a cover to cool things down. "Remember (Walking in the Sand)," recently repopularized by another Beantown rock group, started off as a slow grind but quickly sped up to a thrashing climax.

S. S. Decontrol is one of the more vociferous proponents of the "straight edge" philosophy, whose followers eschew the use of all drugs and chemical stimulants of any kind, whether legal or illegal, as being mind-dulling and self-destructive. Virtually all of their songs deal with this issue, such as the title track from their new EP *Get it Away*:

*Think I'm joking about your smoking?
Think it's fair to steal my air?
You you you you take my breath away.
Did you ask if I minded
For my eyes to be blinded?
Make my lungs black
From your smoke attack.
You're gonna burn, you'll learn, you'll learn.*

"Forced Down Your Throat," also from the new record, attacks peer pressure:



*What's there to do weekends here?
Go to a party, drink some beer.
Everybody's drinking, why shouldn't you?
Be a part of the drinking crew.
Conditions set, conditioned to drink;
Too much pressure, just won't think.
Look what's next, smoking a J.
Think for yourself, break away.*

The title tune from SSD's first record, *The Kids Will Have Their Say*, breaks away from this single-mindedness to delineate the overall punk philosophy:



... FOUR ...

*We don't care what you say
Cause you don't have a mind.
Our message is true, so you can screw.
The truth is there to find.
Stole their land and raped their wives,
Society System destroyed their lives.
Atomic bombs on helpless Japs;
These attitudes are yours,
We won't be trapped.*

Their first album is now out of print — the group didn't like the way it came out, and decided not to have any more made after the first pressing sold out. As good as the first record is, *Get it Away* is much stronger musically and benefits from crisper production, but contains less than half the number of songs as its predecessor.

Unfortunately, someone jumped onto the stage just as S. S. Decontrol was getting into gear; the band left the stage, never to return. Although SSD was serious about ending the show at the first hint of trouble, the Channel was less so — after some confusion, it became apparent that



... TWO, AND...

the show would continue, and Circle Jerks started to play after a brief intermission.

The Jerks, another LA punk band which gained nationwide exposure through its appearance in the film *The Decline of Western Civilization*, approach life much less seriously than do SSD. They performed a wide mix of songs from their three records, all of which have achieved a consistently high level of hardcore energy. Their latest release, *Golden Shower of Hits*, attempts little in the way of an expansion in the band's style, but is an excellent effort nonetheless.

Circle Jerks played a long set, never changing the intensity of their attack from a fast and loud assault on the senses. Singer Keith Morris was almost as manic as was Springa before him, but was in greater control of his vocal inflections and enunciation — you could usually understand

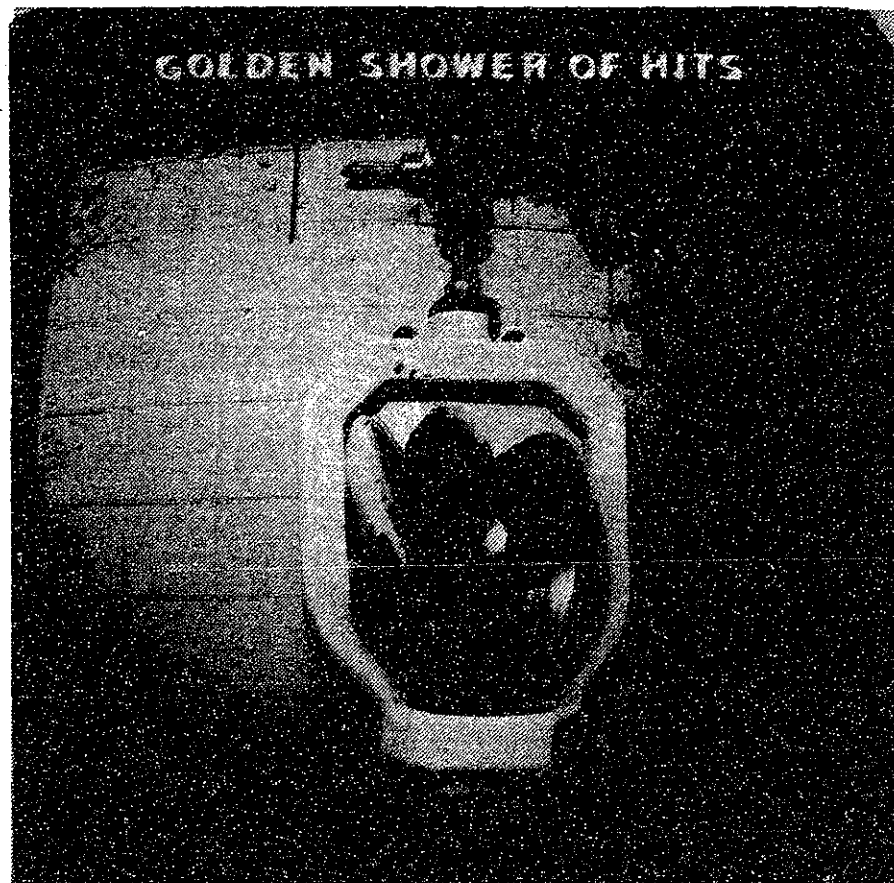
Virtually all of the Jerks' songs are short bursts of power, clocking in at an average minute-and-a-quarter. They range from the outright humorous, such as the new record's "Junk Mail":

*Where did they get my name?
It's always the same.
I think I'll change address.
I'm not a resident, I'm not an occupant.
Guess what I got today?
Envelopes I'll throw away.
Send it back from where it was sent.
They must take me for an idiot.*

to the more politically oriented, as in "Moral Majority" from the second album:

*First there was biology, then pornography.
So says the Moral Majority,
Telling you and me
What we can watch and read.
I don't need
Some dumb schmuck telling me
How to listen and how to read.
Whatever happened
To the First Amendment?
The way these people talk,
They've never even heard of it.*

"In Your Eyes," from *Golden Shower of Hits*, speaks of personal relationships:



*When it first happened
It was nice it was sweet,
Now it's getting older
And we're finding that it's not so sweet.
Smile's growing cold,
Perfume's getting stale.
I can see it in your eyes,
All the lies and alibis.*

Overall, the songs on *Golden Shower of Hits* cover more diverse subject matter than on the Jerks' previous records.

For their encore, Circle Jerks performed "Jerks on 45" from the new album, which is a hilarious sendup of the "Stars on 45" series — but in the Jerks' case it could be titled "Sappiest Songs of the Seventies." They run through such tunes as "Having My Baby," "Afternoon Delight," and "Love Will Keep Us Together" in a punkish mode; this could well turn out to be the novelty hit of the year.

Both bands played to their maximum capacity — by the end of the evening, the crowd was exhausted, sweaty, in some pain, but happy. What was especially pleasing about this show was the restraint displayed by the audience. SSD's Springa must be given credit for stopping the show when he did — had he not, the situation would have gotten completely out of control. The crowd realized the importance of remaining within the ground rules established by the Channel; as a result, there will be more hardcore at the Channel.

Drew Blakeman



... AND ...

the words, even though they were spilling out about as fast as the human mouth can operate. Even with the recent addition of a new rhythm section, the rest of the band played flawlessly, the expected result of four years of continuous gigging.



... REST.

feedback

Be socially responsible

(Continued from page 6)

tion of society. The traditional view of progress in technology is only one aspect of this, albeit an important one. There can be no real change in the present overall direction of social patterns without a change in individuals' attitudes and perspectives. Similarly, there can be no real change in the direction of science and technology without a new responsibility and vision on the part of those who shape this direction. Each individual must recognize her or his responsibility for making society (and technology) what it is

and what it will be.

Nothing is more urgent today than the examination and questioning of our current directions and priorities. Science and technology can be the tools for both beneficial and destructive endeavors, and it is not always easy to see beforehand which way a particular project will lead. But we must recognize that, in the work we do today, we determine the world of tomorrow, and that the choice and the responsibility for the world of tomorrow lies with each of us today.

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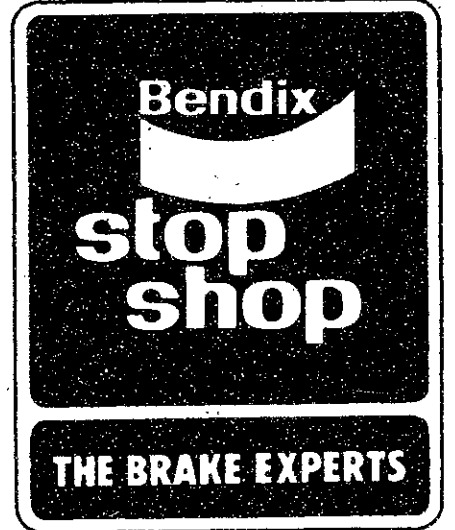
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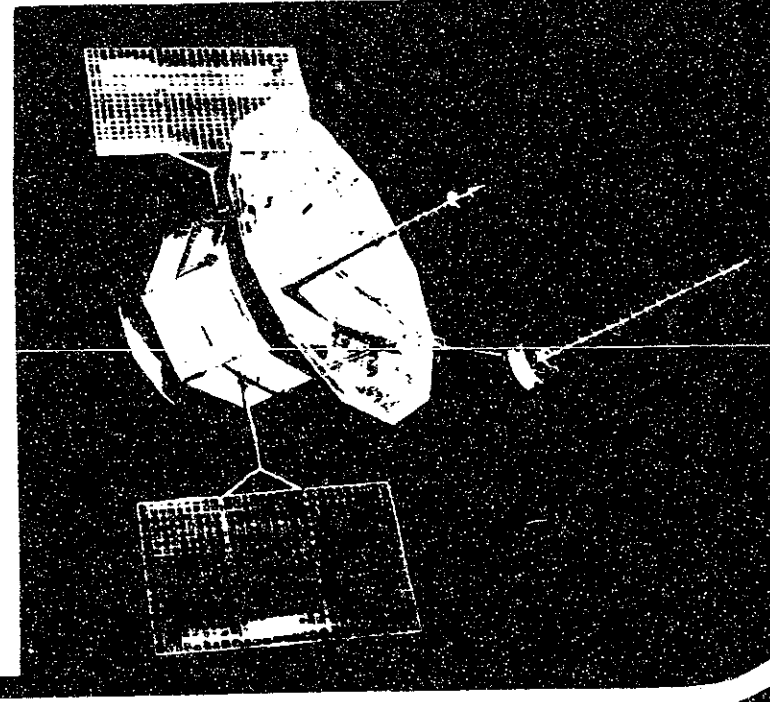
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notes

Wednesday, Nov. 30

Alice S. Rossi, of the Department of Sociology at UMass will speak tonight on **Beyond the Gender Gap: Women's Bid for Political Power**, as part of the Cambridge Forum series. The talk begins at 8 pm, and is free and open to the public, and will be held at 3 Church Street in Harvard Square. For more information, call 876-9644.

Today is the last day to purchase **Class of '85 tee-shirts**. The shirts are on sale at the Donut Stand in Lobby 7 and in Lobby 10.

The **Professional Council** will hold a dinner meeting tonight at the MIT faculty club, featuring **Dr. Evelyn Murphy**, Massachusetts Secretary of Economic Affairs, as the guest speaker. Murphy's speech begins at 7:30 p.m., preceded by cocktails at 5:30 p.m. and dinner at 6:30 p.m. Cost is \$18.00. For more information, call Patricia Gray, 723-7700, x304.

The Tech Community Women present the **Annual Winter Crafts Fair** in Lobby 10 from 8:30 p.m. until 5 p.m. today and tomorrow. Handcrafted items, baked goods, and other items will be on sale.

Thursday, Dec. 1

Grace Paley, writer and peace activist will read from her work on Thursday, Dec. 1 at 8:00 p.m. in the Sala de Puerto Rico at MIT. The reading is free and open to the public; for more information,

call Robin Becker, x3-7894.

Representatives from the **Peace Corps** will be on campus today from 9 a.m. to 4 p.m. Interested students should schedule interviews as soon as possible. For more information, call x3-4733.

Friday, Dec. 2

The **Black Rose Lecture Series** will present Martin Blatt speaking on **Free Love Anarchism in Nineteenth Century America** tonight in room 9-150 at 8 p.m. Admission is free; for more information, call 492-6259.

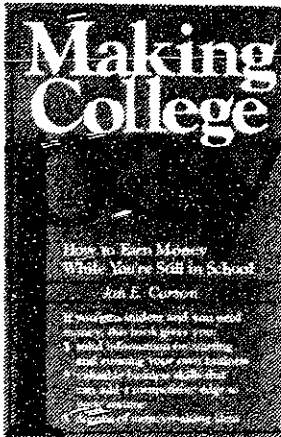
A new exhibit opens today at the VLW Gallery, 275 Mass Ave., featuring **photographic works of Willis Hartshorn**. The exhibit is composed of some 50 chromatic pictures arranged as diptychs and triptychs. The exhibit runs through Jan. 15. For information, call x3-4416.

Saturday, Dec. 3

The MIT European Club will hold its **Annual Fall Dance Party** in the Thirsty Ear Pub at 9 p.m. The theme is black-and-white, and everyone is welcome. Refreshments will be served. For more information, call Philippe Merguier, x3-5021.

The MIT **Concert Band** will premier two works in a fall concert today at 8 p.m. in Kresge Auditorium. For program information, call x3-2705. Admission is free.

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TWENTE UNIVERSITY OF TECHNOLOGY, founded in 1964, recognizes ten fields of study in technical and social sciences, and has about 4500 students. "Twente" is the only campus university in the Netherlands and has all the advantages of a large urban region in which to live and work, and its amenities belong to the best in the Netherlands.

The university and the surrounding cities are sited in a beautiful countryside with plenty of greenery. Next to the campus is a small industrial park, a center of activities in the fields of electronics, instrument production and precision mechanics.

The Department of Computer Science, has four positions available for full professors. The department is engaged in the design and realization of computer systems software and hardware. Integration of these two elements is strongly pursued.

The Subdepartment Interface and Protocol and Service Systems has a vacancy for a

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Responsibilities will include:

- directing research and teaching
- supervising students and post-graduates
- lecturing in the field of study described above
- participating in the management of the department.

Criteria:

Candidates must:

- hold a degree in Electrical Engineering or Computer Science, or be otherwise qualified
- show evidence of distinguished research qualities, as in a thesis and/or other publications of comparable scientific level
- be demonstrably qualified in the area of formal design, as well as in the realization of computer networks
- be capable of establishing internal and external contacts, eg. in relation to attracting contract research
- show evidence of teaching effectiveness.

Chairman of the appointment committee is Prof. dr. G.A. Blaauw, Technische Hogeschool Twente, Postbus 217, 7500 AE Enschede, Nederland. Telephone 053-894492. Vacancy number: 83-062.

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Full Professor of Computer Science, specialized in System Software

The subdepartment is concerned with system software, which requires knowledge of hardware and the interaction of software.

Emphasis is on the methodology of the design of integrated systems. Candidates should have ample experience (preferably industrial) in the fields of (distributed) operating systems, high-level system programming languages, their implementation and their use in the implementation of portable systems; also they should be acquainted with the hardware aspects of an implementation.

Responsibilities will include:

- directing the subdepartment's research and teaching
- supervising students and post-graduates
- lecturing in the above-mentioned fields as well as contributing to general programming instruction
- participating in the management of subdepartment the department.

Criteria:

Candidates must:

- hold a degree in Electrical Engineering or Computer Science or be otherwise qualified
- show evidence of distinguished research qualities, as in a thesis and/or other publications of comparable scientific level
- show evidence of distinguished performance in the controlled design and the realization of complex hardware systems
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Responsibilities will include:

- initiating, stimulating, supervising and evaluating research in the above-mentioned field
- preparing introductory as well as advanced courses, and supervising laboratory courses
- defining and supervising graduation projects
- participating in the management activities within the department

The following points deserve special mention:

- collaboration with other departments teaching courses in computer science, in particular the departments of Management Science and Public Administration Science
- establishment of contacts with other scientific institutions, government institutions, and trade and industry, concerning problems related to this field of study.

Criteria:

Candidates must:

- hold a degree in Computer Science
- have insight in the field of study as a whole, but they must be acquainted in particular with the infological and datalogical aspects of information systems
- be able to apply their knowledge and qualities in the realization of projects
- show evidence of qualities in the controlled and systematic design, realization and implementation of comprehensive and complex systems of software, data files and data bases
- demonstrate that they are familiar with methods, tools and procedures used in the design, construction, operation and evaluation of information systems
- show evidence of research qualities, as in a thesis and/or other publications of the same scientific level
- be capable of establishing internal and external contacts, eg. in relation to attracting contract research
- show evidence of teaching ability
- demonstrate their ability to maintain good relationships with a variety of organisations and persons within and outside the institution.

Chairman of the appointment committee is Prof. dr. J.A van der Pool, Technische Hogeschool Twente, Postbus 217, 7500 AE Enschede, Nederland. Telephone 053-894496. Vacancy number: 83-061.

One of the Subdepartments of the Department of Computer Science has a vacancy for a

Full Professor of Computer Science, specialized in Technical Applications.

The emphasis of the specialization of Technical Applications of Computer Science is on the methodology of the design of integrated systems. The vacant position is hardware-oriented: candidates must have knowledge of complex hardware systems and ample (preferably industrial) experience in one or more of the following subjects of technical applications of computer science:

- o real-time applications
- o industrial automation and robotization
- o distributed systems and communication
- o CAD/CAM and graphic applications

A thorough knowledge of system software is also essential.

Responsibilities will include:

- directing research and teaching
- supervising students and post-graduates
- lecturing in the field described above
- participating in scientific activities on a national and international level
- participating in the management activities of the department.

Criteria:

Candidates must:

- hold a degree in Electrical Engineering or Computer Science, or be otherwise qualified
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- be demonstrably qualified in the controlled design and realization of complex hardware systems
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Chairman of the appointment committee is Prof.dr.ir. A.J.W. Duijvestijn, Technische Hogeschool Twente, Postbus 217, 7500 AE Enschede, Nederland. Telephone 053-894451. Vacancy number: 83-063.

Conditions applicable to all positions:

Salary, according at least to the scale of Full Professor A, which ranges from f 6.561,- to f 9.283,-monthly, subject to deductions (taxes, social security). Immediately on entering upon office, the nominees will be admitted in the pension fund. Those who consider themselves qualified for one of these positions, or those who wish to call attention to possible candidates, are invited to direct themselves within six weeks after publication of this announcement to the Dean of the Department, Prof. dr. ir. A.J.W. Duijvestijn. Written applications should be addressed to the secretary of the appointment advisory committee, TH Twente, post-bus 217, 7500 AE Enschede, Nederland, referring to the vacancy number. Candidates are requested to include in their letter of application a curriculum vitae and reprints or copies of relevant publications.



Twente University of Technology and Social Science



Computer will replace MIT card catalogs

(Continued from page 1)

cards, she said.

While some schools also use bar codes for meal purchases, MIT Food Services does not plan to make use of the new bar code, said Kevin R. Smith, administrative assistant for food services.

Food Services will continue to use the magnetic strips on Validine Series/4 cards, Smith said.

The new system, Lucker said, will allow library users to determine whether a particular book is on the shelves. It will also be able to detect invalid identification cards.

"People won't be able to have more than X dollars in fines and continue to check out books," Lucker said.

The new system can automatically send overdue notices, he said. It can record borrowing patterns, allowing the library to order popular types of books more frequently. Eventually, it may perform biographical searches, he said.

Switched catalogs in 1963

The MIT library system switched from the Dewey decimal system to the Library of Congress system in 1963, Lucker said. The library system closed the Dewey decimal card-catalog and opened a new Library of Congress catalog, instead of changing indexes for all holdings in the system, he explained.

Every library in the system

Benefit fee choice soon

(Continued from page 1)

student activities."

McBay said two weeks ago, "We want to clear up how it all happened in the beginning. . . . We are also finding out that not all student activities are using Institute accounts." Some groups pay students through outside accounts, she explained.

The Student Center Committee 24-hour coffee house, the Kosher Kitchen, Ye Old Muddy Charles Pub, and the Thirsty Ear Pub all have Institute accounts, according to the Dean's Office.

Those groups would have to contribute between \$33,000 and \$35,000 a year to the benefit fund, McBay said.

The Tech, the donut stand in Lobby 7, and the Lecture Series Committee employ students, but have outside accounts. McBay said if they are included in the benefit program, the total charge on student groups would double.

"The Institute would like to get all student groups to use Institute accounts," Witt said. "That way, they have all the figures and can make sure student groups report everything, so the Institute won't be fined if it's audited and something's wrong."

"But it's hard to get groups to get an Institute account, because that will mean they'll have to pay the benefit fee," he said.

split into two parts: one with Dewey decimal holdings, the other with Library of Congress holdings, he said.

The library acquired approximately 800,000 volumes between its beginning in 1860 and 1963, "not including microfiche," Lucker said.

The card catalog of those 800,000 volumes, entered in the Dewey decimal system, has been unchanged since 1963, he said.

The MIT Libraries four years ago transferred the entire catalog to microfiche, placing a copy in each branch library, according to Lucker.

The libraries in 1973 began to subscribe to the On Line Computer Library Center. Every new acquisition by the library since then has been entered into the system, Lucker said.

The center is an on-line biographical database, which allows a user to search all of the entered records for specific information, Lucker said. The center can produce machine-readable tapes and catalogs of MIT's acquisitions since 1973, he said.

\$600,000 to cut costs

The Sustaining Fellows Fund, a pool of unrestricted donations,

is financing the system, according to Barbara E. Lewis, executive officer of the fund. Funding totaled \$600,000 from 1980 to 1982, she said, enough to purchase the Geac system.

The president of the Institute may use the fund in any manner he chooses, she said. "The only reason they got this was because it was deemed important enough," Lewis said.

The system is a method of cutting costs, Lucker said, under the theory that it would take less time for a library worker to enter a book into the computer than into a card catalog.

The system will also improve management of the card catalog, Lucker said, and allow the library staff to spend less time tracking down overdue books.

Lucker said he believes the

Geac computer is "a way of controlling costs. Machines expand better than people."

"The last thing I want people to think is that [the new computer system] is related to other price increases," such as the recent rate hikes by the library system.

The new system will lower operating costs of the library system, Lucker said.



Director of Libraries Jay K. Lucker.

Tech photo by Simson L. Garfinkel

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Responsibilities will include:

- directing research and teaching
- supervising students and post-graduates
- lecturing in the field described above
- participating in scientific activities on a national and international level
- participating in the management activities of the department.

Criteria:

Candidates must:

- hold a degree in Electrical Engineering or Computer Science, or be otherwise qualified
- show evidence of distinguished research qualities, as in a thesis and/or other publications of comparable scientific level
- be demonstrably qualified in the controlled design and realization of complex hardware systems
- be capable of establishing internal and external contacts, eg. in relation to attracting contract research
- show evidence of teaching ability.

Chairman of the appointment committee is Prof. dr. ir. A.J.W. Duijvestijn, Technische Hogeschool Twente, Postbus 217, 7500 AE Enschede, Nederland. Telephone 053-894451. Vacancy number: 83-063.

Conditions applicable to all positions:

Salary, according at least to the scale of Full Professor A, which ranges from f 6.561,- to f 9.283,- monthly, subject to deductions (taxes, social security). Immediately on entering upon office, the nominees will be admitted in the pension fund. Those who consider themselves qualified for one of these positions, or those who wish to call attention to possible candidates, are invited to direct themselves within six weeks after publication of this announcement to the Dean of the Department, Prof. dr. ir. A.J.W. Duijvestijn. Written applications should be addressed to the secretary of the appointment advisory committee, TH Twente, postbus 217, 7500 AE Enschede, Nederland, referring to the vacancy number. Candidates are requested to include in their letter of application a curriculum vitae and reprints or copies of relevant publications.



Computer will replace MIT card catalogs

(Continued from page 1)

cards, she said.

While some schools also use bar codes for meal purchases, MIT Food Services does not plan to make use of the new bar code, said Kevin R. Smith, administrative assistant for food services.

Food Services will continue to use the magnetic strips on Val-dine Series/4 cards, Smith said.

The new system, Lucker said, will allow library users to determine whether a particular book is on the shelves. It will also be able to detect invalid identification cards.

"People won't be able to have more than X dollars in fines and continue to check out books," Lucker said.

The new system can automatically send overdue notices, he said. It can record borrowing patterns, allowing the library to order popular types of books more frequently. Eventually, it may perform biographical searches, he said.

Switched catalogs in 1963

The MIT library system switched from the Dewey decimal system to the Library of Congress system in 1963, Lucker said. The library system closed the Dewey decimal card-catalog and opened a new Library of Congress catalog, instead of changing indexes for all holdings in the system, he explained.

Every library in the system

Benefit fee choice soon

(Continued from page 1)

student activities."

McBay said two weeks ago, "We want to clear up how it all happened in the beginning. . . . We are also finding out that not all student activities are using Institute accounts." Some groups pay students through outside accounts, she explained.

The Student Center Committee 24-hour coffee house, the Kosher Kitchen, Ye Old Muddy, Charles Pub, and the Thirsty Ear Pub all have Institute accounts, according to the Dean's Office.

Those groups would have to contribute between \$33,000 and \$35,000 a year to the benefit fund, McBay said.

The Tech, the donut stand in Lobby 7, and the Lecture Series Committee employ students, but have outside accounts. McBay said if they are included in the benefit program, the total charge on student groups would double.

"The Institute would like to get all student groups to use Institute accounts," Witt said. "That way, they have all the figures and can make sure student groups report everything, so the Institute won't be fined if it's audited and something's wrong."

"But it's hard to get groups to get an Institute account, because that will mean they'll have to pay the benefit fee," he said.

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split into two parts: one with Dewey decimal holdings, the other with Library of Congress holdings, he said.

The library acquired approximately 800,000 volumes between its beginning in 1860 and 1963, "not including microfiche," Lucker said.

The card catalog of those 800,000 volumes, entered in the Dewey decimal system, has been unchanged since 1963, he said.

The MIT Libraries four years ago transferred the entire catalog to microfiche, placing a copy in each branch library, according to Lucker.

The libraries in 1973 began to subscribe to the On Line Computer Library Center. Every new acquisition by the library since then has been entered into the system, Lucker said.

The center is an on-line biographical database, which allows a user to search all of the entered records for specific information, Lucker said. The center can produce machine-readable tapes and catalogs of MIT's acquisitions since 1973, he said.

is financing the system, according to Barbara E. Lewis, executive officer of the fund. Funding totaled \$600,000 from 1980 to 1982, she said, enough to purchase the Geac system.

The president of the Institute may use the fund in any manner he chooses, she said. "The only reason they got this was because it was deemed important enough," Lewis said.

The system is a method of cutting costs, Lucker said, under the theory that it would take less time for a library worker to enter a book into the computer than into a card catalog.

The system will also improve management of the card catalog, Lucker said, and allow the library staff to spend less time tracking down overdue books.

Lucker said he believes the

Geac computer is "a way of controlling costs. Machines expand better than people."

"The last thing I want people to think is that [the new computer system] is related to other price increases," such as the recent rate hikes by the library system.

The new system will lower operating costs of the library system, Lucker said.



Director of Libraries Jay K. Lucker.

Tech photo by Simson L. Garfinkel

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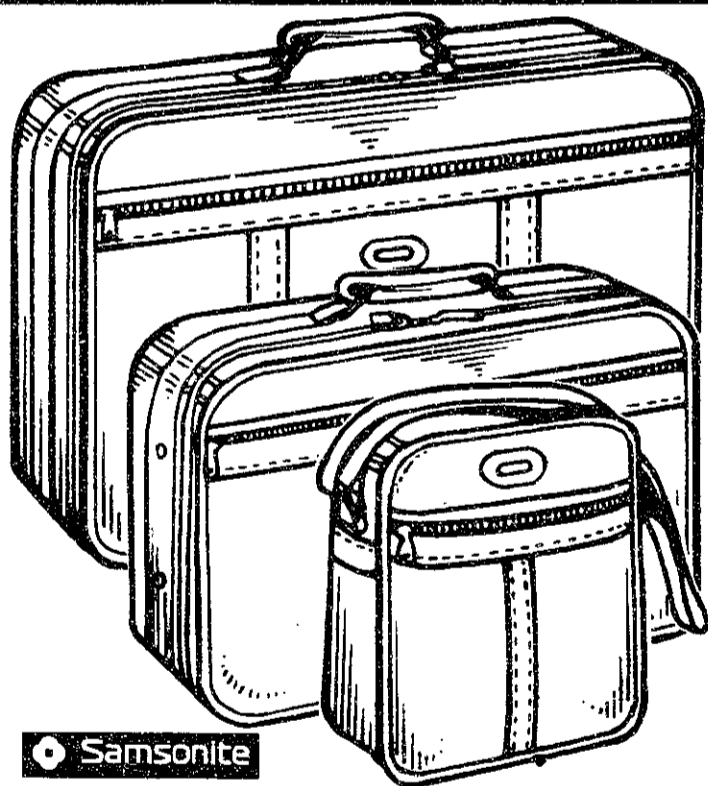
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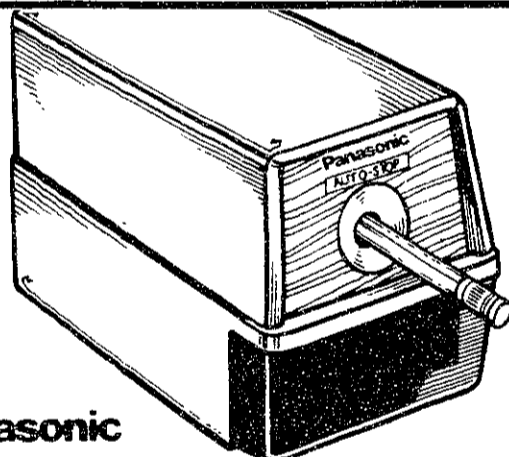
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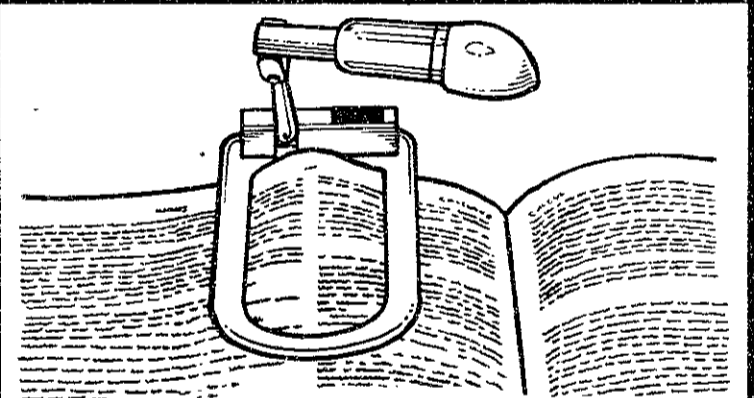
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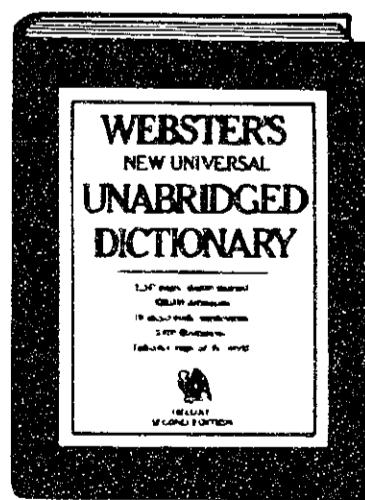
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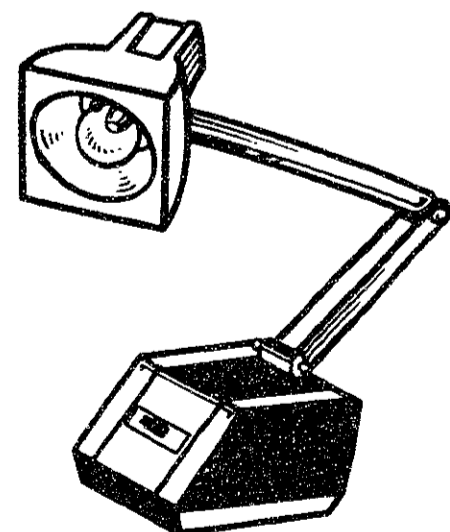
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notes

Announcements

End-of-Term Regulations and guidelines will be published in *Tech Talk* on 30 Nov. These guidelines sets down the rules for end-of-term scheduling of examinations, quizzes, term papers, and other assignments.

Christmas Secrets, a professional artisans' co-operative, is open now through Dec. 24. The co-op is located at 991 Mass Ave, and features apparel, toys, ornaments, jewelry, and more. For information, and hours, call 497-0655.

The 1983-1984 I. Austin Kelly III Competition in humanistic scholarship is now open. Two prizes of \$250.00 for scholarly/critical papers in literary studies, history, musicology, anthropology, or archeology will be awarded. For details and contest rules, stop by room 14N-409, or call x3-4441.

The MIT Writing Program reminds students that various prizes for writing are awarded every year. Prizes are given out for freshman writing, manuscript-length works, scientific writing, and engineering writing. For more information and rules for

entry, contact Muriel Zimmerman, x3-6475.

MIT bicycle riders should be aware of the passage of a new law requiring use of a headlight by any bicyclist riding at night. For an informational pamphlet, call 491-RIDE.

Tool and Die, MIT's new humor magazine, is now accepting submissions for its February issue: cartoons, stories, jokes, etc. are needed, as are people to help with production and ad sales. For more information, call Steve Strassman, x5-7609 or John Juliano, 247-9364.

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- Sunday December 4, wine and cheese party with live chamber music, 4:30-7 pm at One Longfellow Place, Boston. Admission \$8-11.
- TGIF Parties every Friday at Charles River Park Tennis Club Lounge, 35 Lomasney Way, 6-8:30 pm. Admission \$3-6.

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sports

Update

Men's hoop drops three

The men's basketball team dropped to 0-4 with three losses in the past week. Craig Poole '86 (16 points) was the only Engineer to hit double figures in MIT's 76-43 shellacking at the hands of Babson College Tuesday night.

Poole again led the Engineers with 16 points in the opening round of the Rochester Tip Off

Tournament in Rochester, N.Y. Saturday. Poole's scoring was not enough, however, as MIT lost to host Rochester, 87-64.

Not one Engineer reached double figures in Sunday's consolation game against Denison College of Ohio, and MIT again lost by a wide margin, 70-52.

on deck

December Home Events

Thursday, December 1

Men's Swimming vs. Coast Guard, 7 p.m.

Friday, December 2

Women's Volleyball, NCAA Division III Tournament second round, 6 p.m.

Saturday, December 3

Men's Basketball vs. Brandeis University, 3 p.m.

Fencing vs. Holy Cross, 1 p.m.

Fencing vs. Pennsylvania, 4 p.m.

Men's Hockey vs. Tufts, 2 p.m.

Track vs. Worcester Polytechnical Institute and Brandeis, 1 p.m.

Women's Volleyball, NCAA Division III quarterfinals, 11 a.m.

Wrestling vs. Maine Maritime, Bowdoin, and Wesleyan, 1 p.m.

Tuesday, December 6

Men's Basketball vs. Hellenic, 7:30 p.m.

Wednesday, December 7

Women's Basketball vs. Colby Sawyer, 7 p.m.

Friday, December 9

Track vs. Holy Cross, 6 p.m.

Saturday, December 10

Women's Basketball vs. Elms College, 1 p.m.

Sunday, December 11

Men's and Women's Fencing vs. Columbia University, 3 p.m.

Saturday, December 17

Track vs. Alumni.

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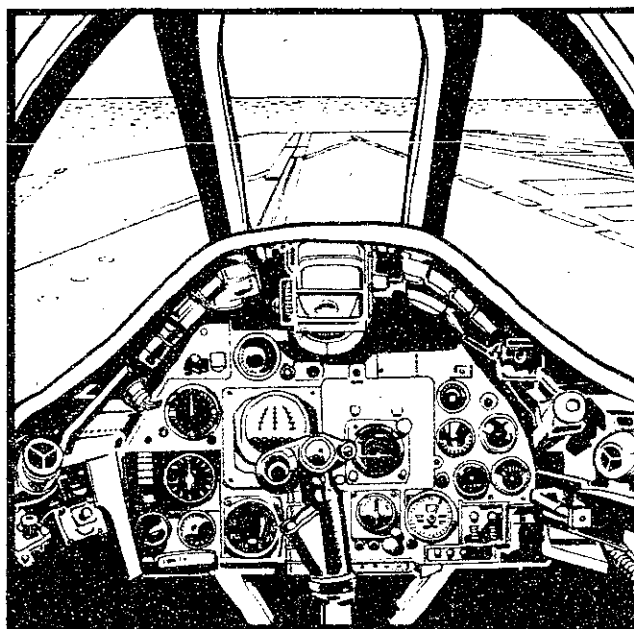
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